

GURU KASHI UNIVERSITY



Bachelor of Arts (BA) **Appendix-I**

Session: 2026-27
Faculty of Sciences, Humanities and Languages

Graduate Attributes of the Programme: -

Type of learning outcomes	The Learning Outcomes Descriptors
Graduates should be able to demonstrate the acquisition of:	
Learning outcomes that are specific to disciplinary/interdisciplinary areas of learning Generic learning outcomes	Ability to integrate knowledge and techniques across various disciplines such as economics, political science, history, sociology, psychology, and social work. They will understand how multidisciplinary learning affects human values and brings changes in social systems.
	Applying logical reasoning and critical thinking to evaluate and make effective conclusions based on the assessment of social and civil affairs. They will integrate multidisciplinary perspectives to address complex real-world problems.
	Communicating effectively on problems, issues, and solutions with the community and society at large. They will be able to write effective reports, design documentation, make presentations, and work effectively as individuals or as members or leaders in diverse teams and multidisciplinary settings.
	Capability to identify, analyzes, and solves problems using an interdisciplinary approach. They will be adept at applying knowledge from various fields to develop innovative and effective solutions.
Learning outcomes that are specific to disciplinary/interdisciplinary areas of learning	Demonstrating an awareness of the importance of lifelong learning and personal development. They will possess the ability to continuously acquire new knowledge and skills to adapt to the evolving demands of their careers and personal lives.
	Exhibiting a strong sense of ethical and social responsibility. They will understand the impact of their decisions on society and the environment and will be committed to making positive contributions to their communities and the world.
	Ability to integrate knowledge and techniques across various disciplines such as economics, political science, history, sociology, psychology, and social work. They will understand how multidisciplinary learning

	affects human values and brings changes in social systems.
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Programme learning outcomes: An Undergraduate Certificate is awarded to students who have demonstrated the achievement of the outcomes located at level 4.5:

Element of the Descriptor	Programme learning outcomes relating to Undergraduate Certificate
The graduates should be able to demonstrate the acquisition of:	
Knowledge and understanding General, technical and professional skills required to perform and accomplish tasks Application of knowledge and skills Generic learning Outcomes	Graduates are expected to demonstrate a sound understanding of the key concepts, theories, and principles within their chosen discipline. They should be able to apply this knowledge effectively to analyze complex issues, evaluate various perspectives, and develop practical, well-reasoned solutions to real-world problems. In addition, graduates should possess a strong awareness of the ethical, social, and environmental implications of their professional practice, ensuring that their decisions contribute positively to society and reflect a commitment to responsible and sustainable action.
	Graduates are proficient in using discipline-specific tools, technologies, and methodologies. They demonstrate effective problem-solving and decision-making abilities in various contexts. Strong interpersonal and professional communication skills support their engagement with others. They work well collaboratively in teams and contribute positively to shared goals. Their adaptability allows them to thrive in diverse and dynamic professional environments.
	Graduates are able to translate theoretical knowledge into practical applications, demonstrating competence in research, data analysis, and interpretation. They gain hands-on experience by applying their skills through projects, case studies, and workplace settings, bridging the gap between academic learning and real-world practice.
	Graduates exhibit independent learning and adaptability, enabling them to navigate new challenges with confidence. They demonstrate strong time management, organization, and project planning skills, ensuring effective task execution. Additionally, they are aware of global issues and engage in culturally competent practices, contributing to inclusive and informed professional environments.

Constitutional, humanistic, ethical, and moral values Employability and job-ready skills, and entrepreneurship skills and capabilities/qualities and mindset Knowledge and understanding	Graduates are committed to ethical and professional standards in their decision-making and conduct. They understand the legal, ethical, and moral responsibilities that guide professional practice. Additionally, they actively promote inclusivity, respect for diversity, and uphold human rights principles in all aspects of their work.
	Graduates develop essential employability skills, including teamwork, leadership, and adaptability, preparing them for diverse professional roles. They demonstrate entrepreneurial thinking, innovation, and strong problem-solving abilities that support career growth. By applying their knowledge and skills in real-world settings, they enhance their employability and contribute effectively to their chosen fields.
	Graduates are expected to demonstrate a sound understanding of the key concepts, theories, and principles within their chosen discipline. They should be able to apply this knowledge effectively to analyze complex issues, evaluate various perspectives, and develop practical, well-reasoned solutions to real-world problems. In addition, graduates should possess a strong awareness of the ethical, social, and environmental implications of their professional practice, ensuring that their decisions contribute positively to society and reflect a commitment to responsible and sustainable action.
General, technical and professional skills required to perform and accomplish tasks	Graduates are proficient in using discipline-specific tools, technologies, and methodologies. They demonstrate effective problem-solving and decision-making abilities in various contexts. Strong interpersonal and professional communication skills support their engagement with others. They work well collaboratively in teams and contribute positively to shared goals. Their adaptability allows them to thrive in diverse and dynamic professional environments.
Application of knowledge and skills	Graduates are able to translate theoretical knowledge into practical applications, demonstrating competence in research, data analysis, and interpretation. They gain hands-on experience by applying their skills through projects, case studies, and workplace settings, bridging the gap between academic learning and real-world practice.
Generic learning Outcomes	Graduates exhibit independent learning and adaptability, enabling them to navigate new challenges with confidence. They demonstrate strong

	time management, organization, and project planning skills, ensuring effective task execution. Additionally, they are aware of global issues and engage in culturally competent practices, contributing to inclusive and informed professional environments.
Constitutional, humanistic, ethical, and moral values	Graduates are committed to ethical and professional standards in their decision-making and conduct. They understand the legal, ethical, and moral responsibilities that guide professional practice. Additionally, they actively promote inclusivity, respect for diversity, and uphold human rights principles in all aspects of their work.
Credit requirements	The 3-year /6-semester bachelor's degree requires 136credits from the first and second years of the programme, with 48credits in the first year and 44 credits in the second year of the programme at level 4.5
Entry requirements	A candidate who has passed Senior Secondary Certificate Examination (Class XII level) of the Board of School Education, Punjab; or any other examination recognized as equivalent thereto with minimum passing marks in aggregate, shall be eligible to join First Semester of the Undergraduate (UG) Programme

Program Structure

SEMESTER: 1 st									
Course Code	Course Title	Type of Courses	L	T	P	No. of Credits	Int.	Ext.	Total Marks
Select any three of the following									
BAT1100	History of Ancient India	Core Course	4	0	0	4+4+4	30	70	100
BAT1101	Micro Economics								
BAT1102	Indian Traditional Religions and Sacraments								
BAT1103	Basic Concepts of Political Theory								
BAT1104	Introduction to Sociology								
BAT1105	Introduction of Social Work								
BAT1106	General Psychology-I								
Elective-I (Select any one of the following)									
BAT1107	History of Prose in English Literature	Minor Course	2	0	0	2	30	70	100
BAT1108	Punjabi Sahit Da Itihaas-I								
BAT1109	Hindi Sahitya Manjri								
BAT1110	Matrices and Coordinate Geometry								
BAT1111	Fundamentals of Vocal Music								
BAT1112	Study of Ragas and Talas		0	0	2	1	30	70	100
BAT1113	Basics of Shabad Kirtan		1	0	0	1	30	70	100

BAT1114	Basics of Ragas and Kirtan		0	0	2	1	30	70	100
BAT1115	History and Principles of Physical		1	0	0	1	30	70	100
BAT1116	Education Proficiency of Athletics and Games-I		0	0	2	1	30	70	100
BAT1117	Computer Application	Skill Enhancement Course	2	0	0	2	30	70	100
BAT1118	Computer Application-Lab		0	0	2	1	30	70	100
Elective-II (Select any one of the following)									
BAT1119	Leadership and Team Dynamics	Multidisciplinary	3	0	0	3	30	70	100
BAT1120	Constitutional Law-I								
BAT1121	Food Safety and Standards								
VAC0001	Environment Education	Value Added Course	2	0	0	2	30	70	100
Elective-III (Select any one of the following)									
BAT1122	Punjabi Kavitate Vartak	Ability Enhancement Course	2	0	0	2	30	70	100
BAT1123	Hindi								
BAT1124	English Prose and Poetry								
BAT1125	Entrepreneurship Setup and Launch	Skill-Based Course	0	0	4	2	30	70	100
Total			22	0	04	26	420	980	1400

The selected core courses from selected groups will remain same till the completion of the programme.

SEMESTER: 2 nd									
Course Code	Course Title	Type of Courses	L	T	P	No. of Credits	Int.	Ext.	Total Marks
Select any three of the following									
BAT2150	Political History of Medieval India	Core Course	4	0	0	4+4+4	30	70	100
BAT2151	Macro Economics								
BAT2152	Sikh Thoughts and Main Principles								
BAT2153	Modern Principles of Political Theory								
BAT2154	Fundamentals of Sociology								
BAT2155	Community organizations and Development								
BAT2156	Human Growth and Development								
BAT2157	English Novels and Literature	Minor Course	2	0	0	2	30	70	100
BAT2158	Punjabi Sahit Da Itihaas-II								
BAT2159	Hindi Vyakaran-Hindi Literature								
BAT2160	Calculus and Differential Equations								
BAT2161	Introduction to Musical terms and Techniques		1	0	0	1	30	70	100
BAT2162	Study of Raga-I		0	0	2	1	30	70	100
BAT2163	Fundamentals of Shabad Kirtan		1	0	0	1	30	70	100
BAT2164	Technicalities of Instruments		0	0	2	1	30	70	100
BAT2165	Officiating and Coaching in Physical Education		1	0	0	1	30	70	100

BAT2166	Proficiency of Athletics and Games - II		0	0	2	1	30	70	100
BAT2167	Listening and Speaking Skills-English	Skill Enhance ment Course	2	0	0	2	30	70	100
BAT2168	Listening and Speaking Skills-English (Lab)		0	0	2	1	30	70	100
Elective-V (Select any one of the following)									
BAT2169	Sustainable Business Practices	Multidisci plinary	3	0	0	3	30	70	100
BAT2170	Constitutional Law-II								
BAT2171	Landscaping								
VAC0002	Human Values and Professional Ethics	Value Added Course	2	0	0	2	30	70	100
Elective-VI (Select any one of the following)									
BAT2172	Punjabi Kahani ate Ikangi	Ability Enhance ment Course	2	0	0	2	30	70	100
BAT2173	Hindi								
BAT2174	English Language and Literature								
BAT2175	Entrepreneurship and Marketing Basics	Skill-Based Course	0	0	4	2	30	70	100
Total			22	0	04	26	420	980	1400

Programme learning outcomes: An Undergraduate Diploma is awarded to students who have demonstrated the achievement of the outcomes located at level 5:

Element of the Descriptor	Programme learning outcomes relating to Undergraduate Diploma
The graduates should be able to demonstrate the acquisition of:	
Knowledge and understanding Skills required to perform and accomplish tasks Application of knowledge and skills	Graduates possess a deeper and more specialized understanding of key theories, principles, and practices within their chosen discipline. They are able to critically evaluate and integrate knowledge from diverse sources to inform their work. With awareness of current and emerging trends, research, and professional standards, they stay aligned with developments in the field. Their ability to analyze and interpret complex information enables them to develop innovative and effective solutions.
	Graduates demonstrate advanced technical and professional skills relevant to their discipline, enabling high-level performance in their field. They possess strong problem-solving, analytical, and critical-thinking abilities to address complex challenges. Effective communication across professional, academic, and digital contexts supports their ability to convey ideas clearly. Additionally, their leadership, teamwork, and collaboration skills allow them to work efficiently in diverse and dynamic environments.
	Graduates are able to apply theoretical knowledge to real-world professional and practical settings with confidence and relevance. They develop independent decision-making skills and foster a capacity for innovation in their work. Through experience in designing, executing, and evaluating projects, case studies, or research, they gain practical insight. They also demonstrate competence in using digital tools, technologies, and methodologies specific to their field.

Generic learning outcomes Constitutional, humanistic, ethical, and moral values Employability and job-ready skills, and entrepreneurship skills and capabilities/qualities and mindset	Graduates possess the ability to engage in independent learning and ongoing professional development, ensuring continuous growth. They demonstrate effective time management, organization, and multi-tasking skills to meet diverse demands. Their strong adaptability allows them to thrive in changing work environments and respond to evolving societal needs. Additionally, they show cross-disciplinary awareness and an appreciation for global and cultural perspectives.
	Graduates are committed to upholding ethical, legal, and professional standards in both decision-making and practice. They demonstrate a clear understanding of human rights, social justice, and sustainability principles, integrating these values into their work. By promoting inclusivity, cultural competence, and diversity awareness, they contribute to respectful and equitable environments. Their approach reflects ethical leadership and responsible citizenship in both professional and personal contexts.
	Graduates possess industry-relevant skills that enhance their employability and prepare them for career readiness in a competitive job market. They demonstrate entrepreneurial thinking, creativity, and innovation in business and project development. With the ability to apply both practical and strategic approaches to problem-solving, they navigate professional challenges effectively. Their proactive mindset supports lifelong learning, career advancement, and a commitment to professional excellence.
Knowledge and understanding	Graduates possess a deeper and more specialized understanding of key theories, principles, and practices within their chosen discipline. They are able to critically evaluate and integrate knowledge from diverse sources to inform their work. With awareness of current and emerging trends, research, and professional standards, they stay aligned with developments in the field. Their ability to analyze and interpret complex information enables them to develop innovative and effective solutions.
Skills required to perform and accomplish tasks	Graduates demonstrate advanced technical and professional skills relevant to their discipline, enabling high-level performance in their field. They possess strong problem-solving, analytical, and critical-thinking abilities to address complex challenges. Effective communication across

	professional, academic, and digital contexts supports their ability to convey ideas clearly. Additionally, their leadership, teamwork, and collaboration skills allow them to work efficiently in diverse and dynamic environments.
Application of knowledge and skills	Graduates are able to apply theoretical knowledge to real-world professional and practical settings with confidence and relevance. They develop independent decision-making skills and foster a capacity for innovation in their work. Through experience in designing, executing, and evaluating projects, case studies, or research, they gain practical insight. They also demonstrate competence in using digital tools, technologies, and methodologies specific to their field.
Credit requirements	The 3-year /6-semester bachelor's degree requires 136credits from the 3 rd and 4 th semester of the programme, with 24 credits in the 3 rd sem and 24 credits in the 4 th sem at level 4.5
Entry requirements	A candidate who has passed Senior Secondary Certificate Examination (Class XII level) of the Board of School Education, Punjab; or any other examination recognized as equivalent thereto with minimum passing marks in aggregate, shall be eligible to join 3 rd Semester of the Undergraduate (UG) Programme

SEMESTER: 3 rd									
Course Code	Course Title	Type of Courses	L	T	P	No. of Credits	Int.	Ext.	Total Marks
Select any three of the following									
BAT3200	History of Modern India	Core Course	4	0	0	4+4+4	30	70	100
BAT3201	Indian Economy								
BAT3202	Semitic Religion								
BAT3203	Development of Indian Constitution								
BAT3204	Indian Society								
BAT3205	Social Action movements and campaigns								
BAT3206	Child Development								
Elective- VIII (Select any one of the following)									
BAT3207	English Drama and Literature	Minor Course	2	0	0	2	30	70	100
BAT3208	GurmatKaav								
BAT3209	Sahitya Sopan-Hindi Literature								
BAT3210	Linear Algebra								
BAT3211	Biographical Study of Indian Music		1	0	0	1	30	70	100
BAT3212	Study of Laya and Talas		0	0	2	1	30	70	100
BAT3213	Basic knowledge of Gurmat Sangeet		1	0	0	1	30	70	100
BAT3214	A Study of Ragas and Talas of Gurmat		0	0	2	1	30	70	100
BAT3215	Sports Training in Physical Education		1	0	0	1	30	70	100

BAT3216	Proficiency of Athletics and Games-III		0	0	2	1	30	70	100
Elective- VIII (Select any one of the following)									
BAT3217	Basics of Journalism	Skill Enhance ment Course	2	0	0	2	30	70	100
BAT3218	Basics of Journalism (Practical)		0	0	2	1	30	70	100
BAT3225	Disaster Risk Reduction and Management: Skills for Safety and Resilience		2	0	2	3	30	70	100
BAT3226	Basics of Cyber Security		3	0	0	3	30	70	100
Elective-IX (Select any one of the following)									
BAT3219	Cross-Cultural Management	Multidiscip linary							
BAT3220	Consumer Protection Law and Information		3	0	0	3	30	70	100
BAT3221	Mushroom Production Technology								
Elective-X (Select any one of the following)									
BAT3222	Punjabi Vartak te Natak	Ability Enhancem ent Course							
BAT3223	Hindi		2	0	0	2	30	70	100
BAT3224	Prose and Poetry in English Language								
BAT3225	Operations and Scale	Skill-Based Course	0	0	4	2	30	70	100
Total			20	0	4	24	450	1050	1500

SEMESTER: 4 th									
Course Code	Course Title	Type of Courses	L	T	P	No. of Credits	Int.	Ext .	Total Marks
Select any three of the following									
BAT4250	History of Punjab (1469-1707AD)	Core Course	4	0	0	4+4+4	30	70	100
BAT4251	Public Finance and International Economics								
BAT4252	Religious Movements								
BAT4253	Indian Political System								
BAT4254	Social Change and Development								
BAT4255	Social work and Social Development								
BAT4256	Statistics for Psychology								
Elective-X (Select any one of the following)									
BAT4257	Major Dramas in English Literature	Minor Course	2	0	0	2	30	70	100
BAT4258	Punjabi Sufi Ate Kissa Kaav								
BAT4259	Hindi Bhasa								
BAT4260	Complex Analysis								
BAT4261	Aesthetical Study of Hindustani Music		1	0	0	1	30	70	100
BAT4262	Study of Ragas-II	0	0	2	1	30	70	100	

BAT4263	Comparative Study of Gurmat Sangeet with Classical Music and Folk Music		1	0	0	1	30	70	100
BAT4264	Practical Approach on String Instrumental Music		0	0	2	1	30	70	100
BAT4265	Yoga and Recreation		1	0	0	1	30	70	100
BAT4266	Yoga (Practical)		0	0	2	1	30	70	100
Elective-XI (Select any one of the following)									
BAT4267	Basic of Welding Technology		2	0	0	2	30	70	100
BAT4268	Basic of Welding Lab		0	0	4	2	30	70	100
BAT4269	Fundamental of Nutrition and Human Development	Vocation al	2	0	0	2	30	70	100
BAT4270	Fundamental of Nutrition and Human Development (Practical)		0	0	4	2	30	70	100

IKS0009	Indian Agriculture	Value Added Course	2	0	0	2	30	70	100
Elective-XI (Select any one of the following)									
BAT4271	Punjabi Galap-I	Ability Enhancement Course	2	0	0	2	30	70	100
BAT4272	Hindi								
BAT4273	English Literature and Language Skills								
BAT4274	Organic Growth	Skill-Based Course	0	0	4	2	30	70	100
Total			20	0	04	24	450	1050	1500

Programme learning outcomes: The Bachelor's degree is awarded to students who have demonstrated the achievement of the outcomes located at level 5.5:

Element of the Descriptor	Programme learning outcomes relating to Bachelor Degree
The graduates should be able to demonstrate the acquisition of:	
Knowledge and understanding General, technical and professional skills required to perform and accomplish tasks Application of knowledge and skills Generic learning Outcomes	Graduates demonstrate a comprehensive and in-depth understanding of key theories, principles, and practices within their discipline. They are skilled in critically analyzing and synthesizing information from a variety of sources to inform their judgments. With an awareness of contemporary global issues, emerging trends, and ethical considerations, they remain current and responsible in their field. Additionally, they show proficiency in applying research methodologies and evidence-based practices to support effective decision-making and innovation.
	Graduates demonstrate advanced technical and professional expertise relevant to their chosen discipline, enabling them to perform effectively in specialized roles. They possess strong analytical, problem-solving, and decision-making abilities essential for addressing complex challenges. Their communication skills-spanning written, verbal, and digital literacy-support clear and impactful engagement across contexts. With strong leadership, teamwork, and collaboration abilities, they excel in multidisciplinary and professional environments. Additionally, they are competent in utilizing digital tools, data analysis techniques, and industry-specific technologies to enhance productivity and innovation.
	Graduates are able to integrate theoretical knowledge with practical applications in real-world contexts, demonstrating independent and critical thinking to solve complex professional problems. They possess the capacity to plan, execute, and evaluate projects, research, and case studies effectively. Their adaptability and innovative approach enable them to address both professional and societal challenges with confidence and creativity.
	Graduates demonstrate lifelong learning skills, adaptability, and a strong commitment to continuous professional development. They exhibit effective organizational and time-management abilities to manage tasks and meet deadlines efficiently. Their capacity to work in diverse, multicultural, and

	multidisciplinary environments supports inclusive and collaborative practice. With a global perspective and cultural competence, they are well-equipped to engage with international and societal issues responsibly.
Constitutional, humanistic, ethical, and moral values Employability and job-ready skills, and entrepreneurship skills and capabilities/qualities and mindset Knowledge and understanding	Graduates demonstrate a strong commitment to ethical principles, integrity, and professional responsibility in their conduct. They have a deep understanding of social justice, human rights, and sustainability principles, which inform their values and actions. They actively advocate for inclusivity, equality, and respect for diversity in both professional and societal contexts. Additionally, they apply ethical reasoning in leadership, decision-making, and problem-solving, ensuring responsible and principled outcomes.
	Graduates possess well-developed employability skills, including adaptability, teamwork, and the ability to build professional networks. They demonstrate an entrepreneurial mindset and innovation-driven problem-solving abilities that support growth and creativity. With strong business acumen and strategic thinking, they are equipped for career development and entrepreneurial ventures. Their proactive approach to leadership, lifelong learning, and career advancement ensures continued professional success.
	Graduates demonstrate a comprehensive and in-depth understanding of key theories, principles, and practices within their discipline. They are skilled in critically analyzing and synthesizing information from a variety of sources to inform their judgments. With an awareness of contemporary global issues, emerging trends, and ethical considerations, they remain current and responsible in their field. Additionally, they show proficiency in applying research methodologies and evidence-based practices to support effective decision-making and innovation.
General, technical and professional skills required to perform and accomplish tasks	Graduates demonstrate advanced technical and professional expertise relevant to their chosen discipline, enabling them to perform effectively in specialized roles. They possess strong analytical, problem-solving, and decision-making abilities essential for addressing complex challenges. Their communication skills-spanning written, verbal, and digital literacy-support clear and impactful engagement across contexts. With strong leadership, teamwork, and collaboration abilities, they excel in multidisciplinary and professional environments.

	Additionally, they are competent in utilizing digital tools, data analysis techniques, and industry-specific technologies to enhance productivity and innovation.
Application of knowledge and skills	Graduates are able to integrate theoretical knowledge with practical applications in real-world contexts, demonstrating independent and critical thinking to solve complex professional problems. They possess the capacity to plan, execute, and evaluate projects, research, and case studies effectively. Their adaptability and innovative approach enable them to address both professional and societal challenges with confidence and creativity.
Generic learning Outcomes	Graduates demonstrate lifelong learning skills, adaptability, and a strong commitment to continuous professional development. They exhibit effective organizational and time-management abilities to manage tasks and meet deadlines efficiently. Their capacity to work in diverse, multicultural, and multidisciplinary environments supports inclusive and collaborative practice. With a global perspective and cultural competence, they are well-equipped to engage with international and societal issues responsibly.
Constitutional, humanistic, ethical, and moral values	Graduates demonstrate a strong commitment to ethical principles, integrity, and professional responsibility in their conduct. They have a deep understanding of social justice, human rights, and sustainability principles, which inform their values and actions. They actively advocate for inclusivity, equality, and respect for diversity in both professional and societal contexts. Additionally, they apply ethical reasoning in leadership, decision-making, and problem-solving, ensuring responsible and principled outcomes.
Credit requirements	The 3-year /6-semester bachelor's degree requires 136credits from the fifth and sixth semester with 24 credits in fifth semester and 20 credits in sixth semester at level 4.5
Entry requirements	A candidate who has passed Senior Secondary Certificate Examination (Class XII level) of the Board of School Education, Punjab; or any other examination recognized as equivalent thereto with minimum passing marks in aggregate, shall be eligible to join fifth Semester of the Undergraduate (UG) Programme

SEMESTER: 5 th									
Course Code	Course Title	Type of Courses	L	T	P	No. of Credits	Int.	Ext.	Total Marks
Select any three of the following									
BAT5300	History of World	Core Course	4	0	0	4+4+4	30	70	100
BAT5301	Development Economics								
BAT5302	Religion and Philosophy of Religion								
BAT5303	International Relation								
BAT5304	Foundation of Social Thought								
BAT5305	HIV and Family Education								
BAT5306	Counselling Psychology								
Select any one of the following									
BAT5307	British English Literature	Minor Course	2	0	0	2	30	70	100
BAT5308	Punjabi Galap-II								
BAT5309	Sahitya Sarani - Hindi Literature								
BAT5310	Real Analysis		1	0	0	1	30	70	100
BAT5311	Historical Development of Hindustani Music								
BAT5312	Study of Light Music								

BAT5313	Theoretical Orientation of Gurmat Sangeet		1	0	0	1	30	70	100
BAT5314	Practical approach of Rhythmic Beats		0	0	2	1	30	70	100
BAT5315	Health and Fitness		1	0	0	1	30	70	100
BAT5316	Proficiency of Athletics and Games		0	0	2	1	30	70	100
Select any one of the following									
BAT5317	Basic of Internal Combustion Engine	Vocational	2	0	0	2	30	70	100
BAT5318	Basic of Internal Combustion Engine Lab		0	0	4	2	30	70	100
BAT5319	Home and Community Resource Planning		2	0	0	2	30	70	100
BAT5320	Home and Community Resource Planning (Practical)		0	0	4	2	30	70	100
Elective-XI (Select any one of the following)									
BAT5321	Punjabi Galap-II	Ability Enhanceme nt Course	2	0	0	2	30	70	100
BAT5322	Hindi								

BAT5323	Translation and English Literature								
BAT5324	Community Engagement and Social Responsibility	Community Outreach Program	0	0	8	4	30	70	100
BAT5325	AI Automation and Finance	Skill-Based Course	0	0	4	2	30	70	100
Total			18	0	12	24	4500	1050	1500

SEMESTER: 6 th									
Course Code	Course Title	Type of Courses	L	T	P	No. of Credits	Int.	Ext.	Total Marks
Select any three of the following									
BAT6350	History of Punjab (1799-1858 AD)	Core Course	4	0	0	4+4+4	30	70	100
BAT6351	Statistics for Economics								
BAT6352	The Sikh Scripture, thoughts and Institutions								
BAT6353	Comparative Governance & Politics								
BAT6354	Indian Sociological Thinkers								
BAT6355	Case work and counseling: Working with marginalized Community								
BAT6356	Personality								
Select any one of the following									
BAT6357	World Literature in English	Minor Course	2	0	0	2	30	70	100
BAT6358	Punjabi Bhasha Ate Gurmakhi Lipi								
BAT6359	Sahitya Roop-Hindi								
BAT6360	Mathematical Statistics								

BAT6361	Classification of Indian Music		1	0	0	1	30	70	100
BAT6362	Study of Ragas-III		0	0	2	1	30	70	100
BAT6363	Historical Perspectives of Gurmat Sangeet		1	0	0	1	30	70	100
BAT6364	Practical approach to Ragas and Talas		0	0	2	1	30	70	100
BAT6365	Sports and Event Management		1	0	0	1	30	70	100
BAT6366	Project		0	0	2	1	30	70	100
Elective-XII (Select any one of the following with their Practical)									
BAT6367	Basic of Air Conditioning and Refrigeration	Vocation al	2	0	0	2	30	70	100
BAT6368	Basic of Air Conditioning and Refrigeration Lab		0	0	4	2	30	70	100
BAT6369	Community Nutrition and Public Health Hygiene		2	0	0	2	30	70	100
BAT6370	Community Nutrition and Public Health Hygiene (Practical)		0	0	4	2	30	70	100
IKS0001	Bharatavarsha -A Land of	Value Added Course	2	0	0	2	30	70	100

	Rare Natural Endowments								
Elective-XIII (Select any one of the following)									
BAT6371	Punjabi Rekha chittarte Sahit de Roop	Ability Enhance ment Course	2	0	0	2	30	70	100
BAT6372	Hindi								
BAT6373	Literature, Review and Story Writing in English								
Total			20	0	04	22	420	980	1400

Semester – I

Course Title: History of Ancient India	L	T	P	Cr.
Course Code: BAT1100	4	0	0	4

Total Hours: 60

Learning Outcomes: After completion of this course, the learner will be able to:

1. Evaluate the society, culture, religion and political history as well as trade and urbanization of ancient civilization, like Harappan civilization, Early and Later Vedic period of India.
2. Analyze the rise of Jainism and Buddhism in ancient India.
3. Understand the Mauryan Empire with special focus on Ashoka, his Dhamma and the other achievements. The learner will be also able to know the prominent rulers of Gupta period, and social and political development.
4. Enhance the knowledge about the regional Kingdoms of southern India, especially, Cholas, Pallava and Rashtrakutas.

Course Content**UNIT-I****15 Hours**

Source of Ancient India, The Indus Valley Civilization: Origin; Main features and the causes of its decline. Rig Vedic Civilization: Original home of the Aryans; Political, Social, Economic and Religious life in the early Vedic and Later period.

UNIT-II**15 Hours**

Causes of Emergence of Jainism and the teachings of the Mahavir
Jainism: its emergence and prominent Teachings of the Gautam Budha.

UNIT-III**15 Hours**

Establishment of Mauryan Empire, Achievements of Chandragupta Maurya, Ashoka's Dhamma, Administration under the Mauryas and their decline. The Gupta Empire: prominent rulers, Social, Economic, and political development under Guptas.

UNIT-IV**15 Hours**

Vardhan Dynasty and Southern Dynasties (Sangam Age, Cholas, Pallava and Rashtrakutas).

Transaction Mode:

Lecture, Group Discussion, Quiz, Open Talk, Self-study, Assignment.

Suggested Readings:

- Basham, A.L. *Wonder That Was India*. Calcutta: Rupa, 1992.
- Jha, D.N. (ed.), *Society and Ideology in India*. Delhi: Sterling Publisher, 1985.
- Jha, D.N., *Ancient Indian an Historical Outline*. Delhi: Manohar (2 nd Rev. ed.), 2005.
- Pandey, V.C. and Pandey. A.C. *New History of Ancient India*. Jalandhar: A.B.C., 1999.
- Ray Chaudhary, H.C. (re. ed.) by B.N. Mukherjee, *Political History of Ancient India*, Calcutta: Oxford University Press, 1996.
- Thapar, Romila, *Asoka and the decline of the Mauryas*. Delhi: Oxford University Press, 1997.
- Tharpar, Romila. *Early from the Origin to A.D. 1300*, Penguin, 2002.
- Vivekanand Jha, *Mauryan India*, Delhi: Tulika Books, 2004.

Course Title: Micro Economics	L	T	P	Cr.
Course Code: BAT1101	4	0	0	4

Total Hours: 60

Learning Outcomes: After completion of this course, the learner will be able to:

1. Conceptualize core micro-economic terms and theories.
2. Analyze the demand function and production function.
3. Evaluate the general economic concepts (supply & demand, comparative advantage, opportunity cost, etc.).
4. Elaborate the distribution of various distribution theories.

Course Content

UNIT-I

15 Hours

Subject matter of Economics and theory of consumer behavior: Nature and scope of Economics. Basic Economic Concepts, Utility Analysis: Law of Diminishing Marginal Utility, Law of Equi-Marginal Utility, Indifference Curve. Law of Demand, Elasticity of Demand.

Skill Enhancement Content: Demand estimation and forecasting in Consumer Behaviour.

UNIT-II

15 Hours

Theory of Production: Concept of Production. Production Function, Returns to Scale, Law of Variable Proportions, Isoquants, marginal rate of technical substitution, Iso-cost line and firm's equilibrium. Concept of Cost and Revenue.

Skill Enhancement Content: Estimation Cobb-Douglas and CES Production Function.

UNIT-II

15 Hours

The Market Structure: Market forms – Perfect and Imperfect markets and their features. Price and output determination and Firm's equilibrium under Perfect Competition, Monopoly, Monopolistic competition and Oligopoly Market.

Skill Enhancement Content: Case Studies of Monopolistic and Oligopoly market.

UNIT-IV

15 Hours

Theory of Distribution: Marginal productivity theory of distribution, Rent: Ricardian theory, Scarcity rent and Quasi Rent. Interest: Classical and the Keynesian theory of Interest.

Skill Enhancement Content: Product Exhaustion Theorem (Euler's Theorem)

Transaction Mode:

Verbal Exposition, Teacher Talk, Classroom Discussion, Questioning and Answering, Learner Participation, use of ICT tools etc.

Suggested Readings:

- Mankiw, N. G. (2020). *Principles of Microeconomics (8th ed.)*. CENGAGE Learning Custom Publishing.
- Pindyck, Robert S., Rubinfeld, Daniel L. (2013). *Microeconomics 8th ed. (8th)*. New Jersey: Pearson.
- Samuelson, P A (2019). *ArtshastarPrarmbhikVishleshan*, Punjabi University, Patiala.
- Koutsoyiannis, A. (2020). *Modern Microeconomics*. Macmillan.
- Salvatore, D (2020). *Micro Economics: Theory & Applications*. Oxford University Press. New York.
- Ray, N C (2020). *An Introduction to Microeconomics*. The Macmillan Company of India Ltd. New Delhi.

Course Title: Indian Traditional Religions and Sacraments	L	T	P	Cr.
Course Code: BAT1102	4	0	0	4

Total Hours: 60

Learning Outcomes: After completion of this course, the learner will be able to:

1. Understand religious studies, alternately known as the study of religion.
2. Describe, the concept of historically based, and cross-cultural perspectives.
3. Understand that, an etymological analysis alone does not resolve the ambiguity of defining religion, since each verb points to a different understanding of what religion is.
4. Know that during the Medieval Period, the term religious was used as a noun to describe someone who had joined a monastic order (a religion).

Course Content

Unit –I

15 Hours

ਵੈਦਿਕਮਤ

ਵੈਦਿਕਧਰਮਦੀਜਾਣ-ਪਛਾਣ

ਵੈਦਿਕਦੇਵਤੇ :- ਵਰੁਣਅਗਨੀ, ਇੰਦਰ

ਬਲੀਅਤੇਯੱਗ

Unit – II

15 Hours

ਜੈਨਮਤ

ਭਗਵਾਨਮਹਾਂਵੀਰ :- ਜੀਵਨਤੋਬਿਰਤਾਂਤ

ਸਿੱਖਿਆਵਾਂ :- ਤਿੰਨਰਤਨ

ਪੰਜਮਹਾਂਵਰਤ :- ਅਹਿੰਸਾ, ਸੱਚ, ਅਸਤੇਯ, ਅਪਰਿਗ੍ਰਹਅਤੇਬ੍ਰਹਮਚਰਯ

Unit – III

15 Hours

ਬੁੱਧਮਤ

ਭਗਵਾਨਬੁੱਧ:- ਜੀਵਨਅਤੇਸਿੱਖਿਆਵਾਂ

ਚਾਰਅਰੀਯਾਸਤ:- ਦੁੱਖ, ਦੁੱਖਾਂਦਾਕਾਰਨ, ਦੁੱਖਦੀਨਵਿਰਤੀਅਤੇਦੁੱਖਨਵਿਰਤੀਦਾਮਾਰਗ

ਅਸਟਾਂਗਮਾਰਗ

Unit –IV

15 Hours

ਧਾਰਮਿਕਸੰਸਕਾਰ

ਜਨਮਸੰਸਕਾਰ (ਜੈਨਧਰਮ, ਬੁੱਧਧਰਮਅਤੇਹਿੰਦੂਧਰਮ)

ਮ੍ਰਿਤਕਸੰਸਕਾਰ (ਹਿੰਦੂਧਰਮ)

ਧਰਮਪਰਿਵੇਸ਼ਸੰਸਕਾਰ (ਜੈਨਧਰਮਅਤੇਬੁੱਧਧਰਮ)

ਟ੍ਰਾਂਜੈਕਸ਼ਨਮੈਡ: ਲੈਕਚਰ, ਸਮੱਸਿਆਹੱਲ, ਮਿਸ਼ਰਤਸਿਖਲਾਈ, ਚਰਚਾਅਤੇਪ੍ਰਦਰਸ਼ਨਅਤੇਕੇਸਅਧਿਐਨ।
ਸਹਾਇਕਪੁਸਤਕਾਂ:

- ਪ੍ਰੀਤਮਸਿੰਘ **ਗੁਰਮਤਿਵਿਚਾਰਧਾਰਾ**, **SGPC**, ਸ੍ਰੀਅੰਮ੍ਰਿਤਸਰਸਾਹਿਬ
- ਡਾ. ਗੰਡਾਸਿੰਘ, ਪ੍ਰਿੰ. ਤੇਜਾਸਿੰਘ, **ਸਿੱਖਇਤਿਹਾਸ**, ਪੰਜਾਬੀਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।
- ਡਾ. ਐਮ. ਐਲਜੋਸੀ **ਵਿਸ਼ਵਧਰਮਸੰਗ੍ਰਹਿ:-**, ਪਬਲੀਕੇਸ਼ਨਬਿਊਰੋ, ਪੰਜਾਬੀਯੂਨੀਵਰਸਿਟੀਪਟਿਆਲਾ
- Dr. Ganda Singh **Punjab Past and Present** (Special Issue),
- ਪ੍ਰਧਾਨਉਪਨਿਸ਼ਦ: ਰਾਮਦਾਸਨਿਰੰਕਾਰੀ, ਪਬਲੀਕੇਸ਼ਨਬਿਊਰੋ, ਪੰਜਾਬੀਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ
- Jainism :- Gurbachan Singh Talib

Course Title: Basic Concepts of Political Theory	L	T	P	Cr.
Course Code: BAT1103	4	0	0	4

Total Hours: 60

Learning Outcomes: After completion of this course, the learner will be able to:

1. Illustrate logical arguments about the political phenomena.
2. Identify the questions concerning power, authority and sovereignty.
3. Relate political science with other subjects.
4. Classify the political issues of present time and their connectivity with past.

Course Content

UNIT-I

15 Hours

Political Science: Meaning, definitions, characteristics and scope.

Political Theory & Political Science: Traditional and Modern Interpretation
Political Theory & Political Science: traditional & modern

Relationship between Political Science Economics, History, Psychology and Sociology

UNIT-II

15 Hours

The State: Meaning, Elements and Difference among State, Society and Government.

Sovereignty: Meaning, definition, characteristics, types and attributes.

UNIT-III 15 Hours

Liberty: Meaning, types and its safeguards.

Equality: Meaning, types & relationship between liberty and equality

Power and Authority: Meaning, types & difference between both

UNIT-IV

15 Hours

Justice: Meaning and its various dimensions.

Rights & Duties: Meaning, types & Relationship between Rights & Duties.

TransactionMode:

Lecture, Group Discussion, Quiz, Open Talk, Self-study, Assignment

Suggested Readings:

- Basham, A.L. *Wonder That Was India*. Calcutta: Rupa, 1992.
- Jha, D.N. (ed.), *Society and Ideology in India*. Delhi: Sterling Publisher, 1985.
- Jha, D.N., *Ancient Indian an Historical Outline*. Delhi: Manohar (2 nd Rev. ed.),2005.
- Pandey, V.C.and Pandey. A.C. *New History of Ancient India*. Jallandhar: A.B.C., 1999.
- Ray Chaudhary, H.C. (re. ed.) by B.N. Mukherjee, *Political History of Ancient India*, Calcutta: Oxford University Press, 1996.
- Thapar, Romila, *Asoka and the decline of the Mauryas*. Delhi: Oxford UniversityPress, 1997.
- Tharpar, Romila. *Early from the Origin to A.D. 1300*, Penguin, 2002.
- Vivekanand Jha, *Mauryan India*, Delhi: Tulika Books, 2004.

Course Title: Introduction to Sociology	L	T	P	Cr.
Course Code: BAT1104	4	0	0	4

Total Hours: 60

Learning Outcomes: After completion of this course, the learner will be able to:

1. Describe the advanced sociological knowledge focusing on the nature, scope and origin of sociology.
2. Identify the relationship of sociology with other social sciences.
3. Distinguish between cultural explanations.
4. Elucidate the role of organizations, community, and process of socialization.

Course Content

UNIT-I

15 Hours

Sociology:

Origins, Definitions, and Scope. Historical development of sociology. Definition and core concepts, Scope and relevance in contemporary society and interdisciplinary connections. Relationship between sociology and other social sciences: Anthropology, Psychology, Economics, History, Political Science.

UNIT-II:

15 Hours

Basic Sociological Concepts

Social Structure and Organization Dynamics of social organization Social Groups and Associations Primary and Secondary groups Reference groups Communities and associations.

UNIT-III:

15 Hours

Socialization and Social Dynamics

Norms, Values, Status, and Roles Role of norms and values in society Socialisation Processes and Agencies Meaning and importance of socialisation Agents of socialisation Theories of socialisation: George Herbert Mead Sigmund Freud Charles Horton Cooley

UNIT-IV:

15 Hours

Cultural Perspectives

Understanding Culture Definitions and Characteristics

Material and non-material aspects of culture. Concepts of cultural lag Culture and Civilization Relationship between culture and civilization Cultural diversity and globalization

Transaction Mode:

Lecture, Problem Solving, blended learning, Discussion & Demonstration.

Suggested Readings:

- *Applebaum, Richard. P. and William J. Chambliss. 1997. Sociology. New York: Addison Welsley Educational Publishers Inc.*
- *Giddens, Anthony. 2001. Sociology (Fourth Edition). UK: Polity Press.*
- *Inkeles, Alex. 1982. Foundations of Modern Sociology. New Jersey: Prentice Hall, Inc.*
- *Jayaram, N. 1998. Introductory Sociology. India: Macmillan.*
- *Judge, Paramjit S. 1997. Samaj vigyanik Drishtikonte sidhant. (Punjabi). Patiala: Punjabi University Press.*
- *Judge, Paramjit Singh. 2012. Foundation of Classical Sociological Theory: Functionalism. Conflict and Action. New Delhi: Pearson*

Course Title: Introduction of Social Work	L	T	P	Cr.
Course Code: BAT1105	4	0	0	4

Total Hours: 60

Learning Outcomes: After completion of this course, the learner will be able to:

1. Develop an understanding about the basic concepts of social work practice
2. Enhance their abilities to function as a professional social worker
3. Develop familiarity with different methods and approaches of social work practice and learns its application
4. Developing students as social worker with enhancing commitment to the goal of humanism, human rights, social justice, collective responsibility and respect for diversities

Course Content

UNIT-I

15 Hours

Conceptual Framework of Social Work

Definitions, Meaning and Scope Goals and Assumptions of Social Work Practice Values, Principles and Ethical Standards, code of conduct in Social Work. Social Justice, Social Security, Social Defense Social Welfare, Social Reform, Social Change and Development. Empowerment, Marginalization and Social Inclusion.

UNIT-II

15 Hours

Methods of Social Work Practice: Basic Introduction

Primary Methods: Social Case Work, Social Group Work, Community Organization. Secondary Methods: Social Work Administration, Social Action and Social Work Research, Use of interdisciplinary approaching Social Work Practice. Field work and field work supervision in social work education

UNIT

15 Hours

Key areas of Social Work Interventions

Family and child welfare, Correctional social work, Industrial social work, Medical and Psychiatric social work, youth welfare, Gender & development (Gender Equity and Gender Equality), Community development, Green Social Work, Gerontological Social Work.

UNIT-IV

15 Hours

Use of theory and approaches in social work practice

Need and importance of theoretical understanding in Social Work. Neo-liberalism and globalization, Attachment theory Feminist Social Work; Critical social work; Structural social work; Multiculturalism Neoliberalism; Resurgence of civil society, Ideology of Non-Government organization.

Suggested Readings:

- Dubois, Bendra; Miley, K.K. *Social Work: An Empowering Profession*. Allyn & Bacon: Boston 1992.
- Friedlander, W.A. (1964). *Concepts and Methods of Social Work*. New Delhi, Prentice – Hall
- Desai, Murli, 2002. *Ideologies and Social Work* Rawat Publications: Jaipur
- 4. Jacob KK: *Social Work Education in India*, Himanshu Publication, New Delhi.
- Roy, S. (Ed.). (2020). *Social Work Education: Indigenous Perspectives*. Sage Publications Pvt. Limited
- Dash, B. M., Kumar, M., Singh, D. P., & Shukla, S. (Eds.). (2020). *Indian Social Work*. Taylor & Francis Group.
- Dash, B.M., Kumar, & Shukla, S. (Eds.). (2020). *Social Work in India: Indigenous Approaches and Models*. Concept Publishing.
- Desai, M., Singh, R. R., & Bhatt, S. (Eds.). (2020). *Journeys in Social Work*
- Payne, M. (2020). *Modern social work theory*. Bloomsbury Publishing.
- Moffatt, K. (2019). *Postmodern social work: Reflective practice and education*. Columbia University Press
- Thomson, N. (2016). *Anti-discriminatory practice: Equality, diversity and social justice*. London: MacMillan Press
- Theis, T., & Tomkin, J. (2015). *Sustainability: a comprehensive foundation*
- Elliott, N. (2014). *Social Work Skills and Knowledge: A Practice Handbook*. Taylor & Francis
- Sachdev, S. (2012). *A textbook of Social Work*. Laxmi Publications 11.
- Maclean, S. (2012). *Theory and Practice: A Straightforward Guide for Social Work*
- Brammer, A. (2009). *Social work law*. Pearson education 13.
- Wilson, K. (2008). *Social work: An introduction to contemporary practice*. Pearson education.

Course Title: General Psychology-I	L	T	P	Cr.
Course Code: BAT1106	4	0	0	4

Total Hours: 60**Course Learning Outcomes**

- To understand the nature of the discipline “Psychology” to the students.
- Students will be able to learn different types of approaches.
- They will be able to understand how biology plays an important role in determining human behavior.
- To understand the nature of learning and memory, factors affecting learning and memory.
- To understand the classical classification of personality types.

Course Content**Unit – I****13 Hours**

Psychology: Definition, goals and scope; Approaches of Psychology: Psychodynamic, Behavioral and Humanistic.

Unit – II**14 Hours**

Biological basis of behavior: Neuron: Structure and function, Action potential and synapse. Endocrine system.

Unit – III**16 Hours**

Learning: Meaning and nature of learning; Conditioning: Classical and Instrumental. Personality: Nature, definition and determinants, Type and trait approach of personality.

Unit – IV**17 Hours**

Memory: Nature and stages; Types of memory: Sensory, Short-Term and Long-Term Memory. Forgetting: Nature and Causes.

Transactional Mode

Video Based Teaching, Collaborative Teaching, Dialogue, Group Discussion, Brain Storming, Peer Teaching Demonstration, Project Based Learning, Team Teaching.

Recommended Books:

- Baron, R. A. (2006). *Psychology* (5th Ed.). New Delhi: Pearson Education.
- Ciccarelli, S. K., White, J. N., & Misra, G. (2017). *Psychology*. Delhi: Pearson.
- Coon, D., & Mitterer, G. E. (2010). *Introduction to Psychology: Gateway to mind and behaviour* (12th Ed.). New Delhi: Cengage.
- Gerrig, R. J., & Zimbardo, P. G. (2006). *Psychology and Life* (17th Ed.). New Delhi: Pearson Education.

- Morgan, T. C., & A. R. King (1981). *Introduction to psychology* (6th ed.). Sinagore City: McGraw-Hill.
- Baron, R. A., & Byrne, D. (1998). *Social psychology* (8th Ed.). New Delhi: Prentice-Hall.
- त्रिपाठी, ला० ब० एवंअन्य (2001). *आधुनिकप्रायोगिकमनोविज्ञान*. आगरा:हरप्रसादभार्गव.
- सिंह, अरुणकुमार (2006). *उच्चतरसामान्यमनोविज्ञान*. वाराणसी : मोतीलालबनारसीदास.

Course Title: History of Prose in English Literature	L	T	P	Cr.
Course Code: BAT1107	2	0	0	2

Total Hours: 30

Learning Outcomes: After completion of this course, the learner will be able to:

1. Analyse and appreciate the distinctive styles of selected authors across a variety of time and space.
2. Critically analyse and individually interpret the themes, literary techniques and cultural significance of selected poetic pieces.
3. Internalize the grammar and appropriate vocabulary of English language.
4. Inculcate writing skills for official correspondence, media communication, and enhancing vocabulary and accuracy.

Course Content

UNIT-I

10 Hours

Prose Parables (Orient Blackswan, 2013)-The following stories from the above volume are prescribed:

The Kabuliwallah: Rabindranath Tagore

The Eyes Are Not Here: Ruskin Bond

UNIT-II

10 Hours

The Poetic Palette (Orient Blackswan, 2013) The following poems from this anthology are prescribed:

The Tyger: William Blake

The Charge of the Light Brigade: Lord Tennyson

UNIT-III

5 Hours

Texts Prescribed for Grammar Oxford Practice Grammar by John Eastwood (Exercises 01 to 15)

UNIT-IV

5 Hours

Writing skills

Applications: Official Email

Report writing for media

TRANSACTION MODE:

Brainstorming, Quiz, Group Discussion, Open Talk.

SUGGESTED READINGS:

- *Tagore, Rabindranath. Selected Short Stories of Rabindranath Tagore. Penguin Classics, 1994.*
- *Bond, Ruskin. The Best of Ruskin Bond. Penguin Books, 2008.*
- *Blake, William. Songs of Innocence and Experience. Dover Publications, 1992.*
- *Eastwood, John. Oxford Practice Grammar. OUP, 2004.*

Course Title: Punjabi Sahit Da Itihaas-I	L	T	P	Cr.
Course Code: BAT1108	2	0	0	2

Total Hours: 30**Learning Outcomes:** ਇਸਕੋਰਸਨੂੰ ਪੂਰਾ ਕਰਨ ਉਪਰੰਤ ਵਿਦਿਆਰਥੀ:

1. 1500 ਈ. ਤੋਂ ਪਹਿਲਾਂ ਦੇ ਪੰਜਾਬੀ ਸਾਹਿਤ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਨਗੇ।
2. ਸੂਫੀ ਅਤੇ ਗੁਰਮਤਿਕਾ ਵਿਧਰਾਵਾਂ ਤੋਂ ਜਾਣੂ ਹੋਣਗੇ।
3. ਕਿਸਾ ਅਤੇ ਬੀਰਕਾ ਵਿਸਾਹਿਤ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਨਗੇ।
4. ਮੱਧਕਾਲੀ ਸਾਹਿਤ ਬਾਰੇ ਜਾਣਨਗੇ।

Course Content**ਭਾਗ-ੳ****08 Hours****ਮੱਧਕਾਲੀ ਪੰਜਾਬੀ ਸਾਹਿਤ (983 ਈ.-1520 ਈ.)**

ਪੰਜਾਬ ਅਤੇ ਪੰਜਾਬੀ; ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਤੇ ਗੁਰਮੁਖੀ ਅਤੇ ਗੁਰਮੁਖੀ ਲਿਪੀ
 ਪੰਜਾਬੀ ਸਾਹਿਤ: ਪੂਰਵਨਾਨਕਕਾਲ
 ਪੂਰਵਨਾਨਕਕਾਲ ਦੀਆਂ ਮੁੱਖ ਕਾਵਿਧਰਾਵਾਂ ਅਤੇ ਮੂਲ ਪ੍ਰਵਿਰਤੀਆਂ

ਭਾਗ-ਅ**07 Hours****ਮੱਧਕਾਲੀ ਪੰਜਾਬੀ ਸਾਹਿਤ (1521 ਈ.-1700 ਈ.)**

ਗੁਰੂਨਾਨਕਕਾਲ ਅਤੇ ਪ੍ਰਮੁੱਖ ਕਾਵਿਧਰਾਵਾਂ
 ਗੁਰਮਤਿਕਾ ਵਿਧਾਰਾ: ਪ੍ਰਮੁੱਖ ਬਾਣੀਕਾਰ ਅਤੇ ਕਾਵਿਰੂਪ
 ਗੁਰੂਗ੍ਰੰਥ ਸਾਹਿਬ ਦੀ ਸਾਹਿਤਕ ਵਿਸ਼ੇਸ਼ਤਾ
 ਸੂਫੀ ਕਾਵਿਧਾਰਾ ਅਤੇ ਪ੍ਰਮੁੱਖ ਸੂਫੀ ਕਵੀ

ਭਾਗ-ੲ**07 Hours****ਮੱਧਕਾਲੀ ਪੰਜਾਬੀ ਸਾਹਿਤ (1521 ਈ.-1700 ਈ.)**

ਕਿੱਸਾਕਾ ਵਿਧਾਰਾ: ਪ੍ਰਮੁੱਖ ਕਿੱਸਾਕਾਰ
 ਬੀਰਕਾ ਵਿਧਾਰਾ: ਪ੍ਰਮੁੱਖ ਪ੍ਰਮੁੱਖ ਕਵੀ
 ਗੁਰੂਨਾਨਕਕਾਲ: ਵਾਰਤਕ ਅਤੇ ਬਿਰਤਾਂਤਕ ਰੂਪ

ਭਾਗ-ਸ**08 Hours****ਮੱਧਕਾਲੀ ਪੰਜਾਬੀ ਸਾਹਿਤ (1701 ਈ.-1850 ਈ.)**

ਕਿੱਸਾਕਾ ਵਿਧਾਰਾ, ਸੂਫੀ ਕਾਵਿਧਾਰਾ
 ਬੀਰਕਾ ਵਿਧਾਰਾ
 ਵਾਰਤਕ

Transaction Mode:

Lecture, Seminar, e-Team Teaching, e-Tutoring, Dialogue, Peer Group Discussion, Self-Learning, Collaborative Learning.

ਪੁਸਤਕਸੂਚੀ:

- ਡਾ. ਪਰਮਿੰਦਰ ਸਿੰਘ, ਕਿਰਪਾਲ ਸਿੰਘ ਕਸੇਲ, ਡਾ. ਗੋਬਿੰਦ ਲਾਂਬਾ, ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀ ਉਤਪਤੀ ਨਿਕਾਸ ਤੇ ਵਿਕਾਸ, ਲਾਹੌਰ ਬੁੱਕ ਸ਼ਾਪ, ਲੁਧਿਆਣਾ।

- ਡਾ. ਜੀਤਸਿੰਘ ਸੀਤਲ, ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਆਲੋਚਨਾਤਮਕ ਇਤਿਹਾਸ, ਪੈਪਰਬੁੱਕ ਡਿਪੋ, ਪਟਿਆਲਾ, ਮਿਤੀ ਹੀਣ।
- ਪ੍ਰੋ. ਪ੍ਰੀਤਮ ਸਿੰਘ (ਸੰਪਾ.) ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀ ਇਤਿਹਾਸਕਾਰੀ, ਕੇਂਦਰੀ ਪੰਜਾਬੀ ਲੇਖਕ ਸਭਾ, ਪੰਜਾਬ।
- ਰਘਬੀਰ ਸਿੰਘ, (ਸੰਪਾ.) ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀ ਪਛਾਣ, ਸਾਹਿਤ ਅਕਾਦਮੀ ਦਿੱਲੀ, 1998
- ਪ੍ਰੋ. ਦੇਵਿੰਦਰ ਸਿੰਘ, ਆਦਿਕਾਲੀਨ (1000 ਤੋਂ 1469) ਪੰਜਾਬੀ ਸਾਹਿਤ, ਅਲਕਾ ਸਾਹਿਤ ਸਦਨ, ਅੰਮ੍ਰਿਤਸਰ, 1989
- ਨਰਿੰਦਰ ਸਿੰਘ, ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀ ਇਤਿਹਾਸਕਾਰੀ ਛਾਇਕ ਦ੍ਰਿਸ਼ਟੀ, ਸਤਵੰਤ ਬੁੱਕ ਏਜੰਸੀ, ਦਿੱਲੀ, 2002
- ਰਤਨ ਸਿੰਘ ਜੱਗੀ, ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਸਰੋਤ ਮੂਲਕ ਇਤਿਹਾਸ, ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ, 1998-2001
- ਪੰਜਾਬੀ ਅਕਾਦਮੀ, ਦਿੱਲੀ ਵੱਲੋਂ ਪ੍ਰਕਾਸ਼ਿਤ ਵੱਖ-ਵੱਖ ਵਿਧਾਵਾਂ ਦੇ ਇਤਿਹਾਸਾਂ ਦੀਆਂ ਸਾਰੀਆਂ ਜਿਲਦਾਂ
- ਪਰਮਿੰਦਰ ਸਿੰਘ, ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਇਤਿਹਾਸ (ਆਦਿ ਤੋਂ 1700 ਈ ਤੱਕ) ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ, 1981
- ਰਤਨ ਸਿੰਘ ਜੱਗੀ, ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਇਤਿਹਾਸ (1701-1800 ਈ.) ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ, ਤੀਜੀ ਵਾਰ 1984
- ਜਗਬੀਰ ਸਿੰਘ, ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਇਤਿਹਾਸ ਆਦਿਕਾਲ ਭਗਤੀਕਾਲ, ਗੁਰੂ ਨਾਨਕ ਯੂਨੀਵਰਸਿਟੀ, ਅੰਮ੍ਰਿਤਸਰ, 1995

Course Title: Hindi Sahitya Manjri	L	T	P	Cr.
Course Code: BAT1109	2	0	0	2

Total Hours: 30**Course Learning Outcomes:** After completion of this course, the learner will be able to:

1. हिंदी साहित्य पर भारतीय नवजागरण के प्रभाव एवं आधुनिक चेतना के विकास की प्रक्रिया का ज्ञान होगा।
2. छायावादी एवं प्रगतिशील काव्य चेतना से छात्रों का परिचय होगा।
3. आधुनिक हिंदी की कहानी से छात्र परिचित होंगे।
4. हिंदी साहित्य के ऐतिहासिक विकासक्रम एवं साहित्येतिहास के स्वरूप का परिचय प्राप्त होगा।

Course Content**भाग (क)****10 hours**

दीपिका; (काव्य संग्रह) - सं. हेमराज निर्मम, पंजाबी विश्वविद्यालय प्रकाशन, पटियाला
 भारतेंदु हरिश्चन्द्र : यमुना शोभा, भारत, वियोगिनी नारी
 मैथिली शरण गुप्त : साकेत, दोनों ओर प्रेम पलता है, यशोधरा
 जयशंकर प्रसाद : आंसू से, प्रेम पथिक से, आशा
 सूर्यकांत त्रिपाठी निराला : जूही की कली, भिक्षुक, विधवा

भाग (ख)**05 hours**

उपन्यास निर्मला : प्रेमचंद, राजकमल प्रकाशन दिल्ली

भाग (ग)**10 hours**

सजीव कहानियाँ : सम्पादक, डॉ. लक्ष्मी चन्द्र खुराना, पब्लिकेशन ब्यूरो, पंजाब विश्वविद्यालय,
 चण्डीगढ़, केवल प्रथम पाँच कहानियाँ - शतरंज के खिलाड़ी, ममता, अशिक्षित का हृदय, मौत के मुँह में, सभ्य-असभ्य

भाग (घ)**05 hours**

हिंदी साहित्य का इतिहास : काल विभाजन एवं नामकरण, आदिकालीन परिस्थितियाँ

Transaction Mode:

व्याख्यान, संगोष्ठी, ई-टीम शिक्षण, ई-ट्यूटिंग, संवाद, सहकर्मि समूह चर्चा, मोबाइल शिक्षण, स्व-शिक्षा, सहयोगात्मक शिक्षा और सहकारी शिक्षण।

अध्ययन के लिए सहायक पुस्तक सूची

- नगेन्द्र, डॉ. (सं.) हिंदी साहित्य का वैज्ञानिक इतिहास, मयूर पेपर बैक्स, नोएडा, 24वाँ संस्करण, 1997
- चतुर्वेदी, रामस्वरूप: हिंदी साहित्य और संवेदना का विकास, लोकभारती प्रकाशन, इलाहाबाद 1998.
- रायगोपाल, हिंदी कहानी का विकास, राजकमल प्रकाशन, दिल्ली. 2012.
- भारतेंदु हरिश्चन्द्र, भारतेंदु समग्र: हिंदी प्रचारक संस्थान, पिशाच मोचन लहुरावीर, वाराणसी, 1997.
- प्रसाद जयशंकर, प्रसाद ग्रन्थावली, प्रथम खंड, लोकभारती प्रकाशन, इलाहाबाद, उत्तर प्रदेश, 2008.
- गुप्त मैथिली शरण, मैथिली शरण गुप्त रचनावली, वाणी प्रकाशन, दरियागंज, नई दिल्ली, 2009
- नवलनन्द किशोर, निराला रचनावली, राजकमल प्रकाशन, दरियागंज, नई दिल्ली, 2021.

Course Title: Matrices and Coordinate Geometry	L	T	P	Cr.
Course Code: BAT1110	2	0	0	2

Total Hours: 30

Course Learning Outcomes: On completion of this course, the successful learner will be able to:

1. Grasp the basics of Matrices and coordinate geometry including applied aspect for enhancing quantitative skills and pursuing higher mathematics and research as well.
2. Develop a wide-ranging application of the subject and enlarge the knowledge of matrices for solving linear homogeneous and as well as non-homogeneous system of equations.
3. Equip themselves with necessary analytic and technical skills by applying the principles of geometry, also learns to solve a variety of practical problems in science and engineering.
4. Acquire the standard concepts and tools at an intermediate to an advanced level of geometrical techniques that will serve towards taking a more advance levelcourse in mathematics.

Course Content

UNIT-I

08 hours

Matrix introduction, matrix operations with their properties, symmetric, skew-symmetric, Hermitian and skew- Hermitian matrices, idempotent, nilpotent, involuntary, orthogonal and unitary matrices, singular and non-singular matrices, elementary operations on matrices, adjoint and inverse of a matrix, singular and non-singular matrices, Trace of a matrix.

UNIT-II

07 hours

Rank of a matrix, elementary transformations of a matrix, elementary matrices, rank of the sum and product of two matrices, inverse of an on-singular matrix through elementary row transformations, equivalence of matrices.

Solutions of a system of linear equations, condition of consistency and nature of the general solution of a system of linear non-homogeneous equations.

UNIT-III**08 hours**

Circle: General equation of circle, circle through intersection of two lines, Tangents and Normals, Chord of contact, pole and polar, pair of tangents from a point, equation of chord in terms of midpoint, angle of intersection and orthogonality

Parabola: General equation of Parabola, Properties of Parabola, parametric representation of Parabola, tangents, normal.

UNIT-IV**07 hours**

Ellipse: Properties of ellipse, parametric representation of ellipse, tangents and normals.

Hyperbola: Properties of hyperbola, parametric representation of hyperbola, asymptotes of hyperbola, conjugate hyperbola, tangents and normals.

Transaction Mode

Video-based teaching, Collaborative teaching, Group Discussion, ted talks, Eteam Teaching, Flipped Teaching, Quiz, Open talk, Case analysis.

Suggested Readings

Hari Kishan, (2008), A Textbook of Matrices, Atlantic Publishers.

Fuzhen Zhang, (1999), Matrix Theory- Basic Results and Techniques, Springer.

Shanti Narayan, P.K. Mittal, (2010), A Textbook of Matrices, S Chand & Company.

R. G. Bartle & D. R. Sherbert, (1999), Introduction to Real Analysis, John Wiley & Sons.

T. M. Apostol, (1974), Vol. I, John Wiley & Sons Inc.

Ajit Kumar and S. Kumaresan, (2019), A Basic Course in Real Analysis, CRC Press.

S. Balachandra Rao & C. K. Shantha, (1992), Differential Calculus, New Age Publication.

H. Anton, I. Birens and S. Davis, (2007), Calculus, John Wiley and Sons, Inc.

G. B. Thomas and R. L. Finney, (2010), Calculus, Pearson Education.

P.K. Jain and Khalil Ahmad: A Text Book of Analytical Geometry of two Dimensions, Wiley Eastern Ltd. 1994.

Gorakh Prasad and H. C. Gupta: Text Book on Coordinate Geometry, Pothishala Pvt. Ltd., Allahabad. 2000.

Suggested digital platform: NPTEL/SWAYAM/MOOCs

Suggested digital platform: NPTEL/SWAYAM/MOOCs

Course Title: Fundamentals of Vocal Music	L	T	P	Cr.
Course Code: BAT1111	1	0	0	1

Total Hours: 15

Course Learning Outcomes: After completion of this course, the learner will be able to:

1. Understand the basic terminologies of Indian music.
2. Know about the practical composition according to the notation system.
3. Studies about the theoretical aspects of Ragas.
4. Know the importance of Taal and Layain instrumental music.

Course Content

UNIT-I

4 hours

Historical development of music in the following periods:

- a) Vedic period b) Natya Shastra Period

Definition and explanation of the following musical term: Sangeet, Naad, Swara, Saptak, Taal and Laya.

UNIT-II

3 hours

Importance of Taal and Laya in instrumental music.

Biographical sketch and contribution towards Indian music of the following:

- a) Tansen b) Pandit Vishnu Narayan Bhatkhande

UNIT-III

5 hours

Biographical Sketches and Contribution of the following:

- a) Pt. Jasraj b) Ustad Amir

Khan Elementary Knowledge of the following Ragas:

- a) Darbari b) Bhairav

UNIT-IV**3 hours**

Importance of Sahayak Naad.

Methods of formation of 72 Thaats of Dakhani Music system of Pandit Vyakant Mukhi.

Detailed Description and notation of prescribed Ragas:

- a) VrindavaniSarang b) Asawari

Transaction Mode

Lecture, Demonstration, Discussion, Mobile Teaching, Self-Learning, Collaborative Learning, Composition method.

Suggested Readings

- *Rag Parichaya Part II and III* by H.C. Srivastava.
- *SangeetKaumudiPart-II(Punjabi)*by V. S. Nigam.
- *Sitar Marg, Part-II*byS.Bandopadhya.
- *Sangeet Sar, Part I* by Mrs.VeenaMankaran.
- *Sangeetanjali, Part I & IV* by Pt. Onkar Nath Thakur.
- *SangeetManjushaby*Dr.IndraniChakravarti.
- *SangeetShastraVigyan*bySh.PannaLalMadan.
- *Sangeet KalakaItihas* by Sh. Panna Lal MadaN.

Course Title: Study of Ragas and Talas	L	T	P	Cr.
Course Code: BAT1112	0	0	2	1

Total Hours: 15

Course Learning Outcomes: After completion of this course, the learner will be able to:

1. Understand the basic Knowledge of Indian music.
2. Know about the practical composition according to the notation system.
3. Study about the theoretical aspects of Ragas.
4. Know the importance of Taal and Layain instrumental music.

Course Content

UNIT- I

8 Hours

Ability to play four Alankars in Bilawal Raga.

Ability to play national anthem on Harmonium.

Unit-II

7 Hours

Ability to demonstrate prescribed Taals on hands in Ekgun and Dugun
Layakaries: Keharwa and Teental. Ability to play Teen Taalon Tabla.

Transaction Mode:

Lecture, Problem Solving, blended learning, Discussion & Demonstration

Suggested Readings:

- Paul, Neelam (Dr) Saras Raag Darshika, Abhishek Publication Chandigarh.
- Thakur, Onkar Nath, Sangeetanjali, Sangeet Karyalayaya Hathras.
- Bhatkhande, Vishnu Narayan, Kramik Pustak Malika Sangeet Karyalayaya Hathras.
- Pataki, J.D. Aprachalit Raags (Part I to II), Anubhav Publication Allahabad.
- Jha Ramashraya, Abhinav Geetanjali, Sangeet Karyalayaya Hathras.
- Kapila, Surinder, Sangeet Ratnavali, Punjabi University Patiala.
- Sharma, Ganesh Parshad, Raag Praveen, Kanishka Publication Delhi.

Course Title: Basics of Shabad Kirtan	L	T	P	Cr.
Course Code: BAT1113	1	0	0	1

Total Hours: 15

Course Learning Outcomes: On successful completion of this course, the students will be able to

1. Learning about the Introduction of Gurmat Sangeet.
2. Learn about the contribution of Shri Guru Nanak Dev in the field of Gurmat Sangeet.
3. Basic Introduction of basic ragas and Gurmat Sangeet.
4. Learn about Musical Instruments as accompaniment with Shabadkirtan.

CourseContent

UNIT-I

5 Hours

Technical Terminology of Music–Naad, Sur, Thaata, Raag.

Technical Terminology of Gurmat Sangeet–Rahaao, Ank, Ghar, Jati.

UNIT-II

4 Hours

Origin & Development of Gurmat Sangeet tradition with Special reference to Guru Nanak Dev ji. Basic features of Shabad.

UNIT-III

3 Hours

Shabad Kirtan Performance in the prescribed Raagas: Ramkali–one Shabad Composition. Dhanasri – one Shabad Composition. Bilawal–one Shabad Composition.

UNIT-IV

3 Hours

Theoretical Knowledge of your own instrument, Rabab or Dilruba, with its sholding.

Detailed description with notation in Ekgunand DuguanofprescribedTaals: Pauree, Dadra, Kehrwaand Teentaal

TransactionMode: Lecture, Problem Solving, blended learning, Discussion & Demonstration

Suggested Readings

- Singh, G. (). AdiGranth Rag Kosh by Gurnam PvitarParmanikParkashan, Patiala.
- Gurmat Sangeet by Dharam Parchar Committee, Central Yatimkhana, Sri Amritsar sahib.
- Gurmat Sangeet Darpan by Prof.KartarSingh, SGPC, Amritsar.
- GurmatSangeet da SangeetVigyan by Dr. Varinder Kaur, AmarjitSahitParkashan, Patiala.
- Gur Shabad Sangeet by Principal Sukhwant Singh, Gur Shabad Sangeet Akadmi, JawaddiTaksal, Ludhiana.
- GurmatSangeet Terminology, by Dr. Gurnam Singh, Punjabi University, Patiala, 2012
- SangeetRoop, by Dr. DevinderKaur, Sangeet Anjali Publication, Patiala.

Course Title: Basics of Ragas and Kirtan	L	T	P	Cr.
Course Code: BAT1114	0	0	2	1

Total Hours: 15**Learning Outcomes:**

1. To understand the fundamental concepts of Indian classical music, including swara (notes), saptak (scale), and Taal (rhythm).
2. To explore the structure and components of a raga, such as arohana (ascending), avarohana (descending), vadi, samvadi, and pakad.
3. To identify and differentiate between major ragas (e.g., Yaman, Bhairav, Bhupali) based on their tonal patterns and emotional essence (rasa).
4. To understand the spiritual and devotional context of Kirtan, especially its role in Bhakti and Sikh traditions.

Unit 1**7 Hours**

Shabad Kirtan Performance in the prescribed Raagas: Aasa - one Shabad Composition.

Ramkali– one Shabad Composition. Dhanasri – one Shabad Composition.
Bilawal–one Shabad Composition.

Unit II**8 Hours**

Ability to demostate the following taals by hand in Ekgun and Dugunlayakaries. Ability to play Teen Taalon Tabla.

Holding and playing technique of string instruments (TantriSaaz), Rabab or Dilruba.

TransactionMode: Lecture, Problem Solving, blended learning, Discussion & Demonstration

SuggestedReadings

- *AdiGranth Rag Kosh by Gurnam Singh, Pvitar Parmanik Parkashan, Patiala. Singh, G*
- *GurmatSangeetbyDharamParcharCommittee, Central Yatimkhana, Sri Amritsar sahib.*
- *Gurmat Sangeet Darpan by Prof. Kartar Singh, SGPC, Amritsar.*
- *Gurmat Sangeet da Sangeet Vigyan by Dr. Varinder Kaur, Amarjit SahitParkashan, Patiala.*
- *Gurmat Sangeet Parampara by Prof. Manjeet Kaur, Twenty-first century publications, Patiala, 2005.*

- *Gur Shabad Sangeet by Principal Sukhwant Singh, Gur Shabad Sangeet Akadmi, JawaddiTaksal, Ludhiana.*
- *Gurmat Sangeet Terminology, by Dr. Gurnam Singh, Punjabi University, Patiala, 2012*
- *Sangeet Roop, by Dr. Devinder Kaur, Sangeet Anjali Publication, Patiala.*
- *Sri Guru Granth Sahib Raag Ratnakar by Dr. Gurnam Singh, SGPC, Amritsar.*
- *Sri Guru Granth Sahib Raag Ratnavli by Prof. Tara Singh, Punjabi University, Patiala.*
- *Tabla Vaadan by Dr. Jagmohan Sharma, Punjabi University, Patiala, 1996.*

Course Title: History and Principles of Physical Education	L	T	P	Cr.
Course Code: BAT1115	1	0	0	1

Total Hours: 15

Course Learning Outcomes: After completion of this course, the learner will be able to:

1. Acknowledge basic knowledge of physical education and its relation with other streams
2. Identify knowledge about the history of physical education
3. RepeathistoryofOlympicsandmodernOlympics.
4. Differentiate role and functions of various sports councils, federation sand associations

CourseContent

UNIT-I

05 Hours

Introduction to Physical Education – Meaning, definition, aims and objectives and scope of Physical Education. Importance of Physical Education in Society. In the modern age.

Relationship of physical education and other sciences. Importance & Principles of Physical Education.

UNIT-II

04 Hours

History of Physical Education–

A brief account of the history (Sweden, Denmark, Germany, with special stress on educational gymnastics, USA, USSR, UK).

Physical Education in India before and after Independence. Modern and Ancient historical perspectives of Physical Education: Greece, Rome and India. Olympic movement and Olympic games (Ancient and Modern)

UNIT-III

03 Hours

Various Foundations of Physical Education–

Foundations of Physical, Education: Biological types foundation – Introduction, Growth and Development and Body Psychological Foundation – Introduction,

Learning process and theories Sociological Foundation – Introduction, Socialisation process.

UNIT-IV

03 Hours

Professional Preparation in Physical Education

Professional preparation in Physical Education: YMCA, LNIPE, NSNIS, SAI, IOA, NSO, NSS & NCC.

Youth Services, Punjab contribution to Sports in India, and Physical Education as compulsory course in schools.

National and International Sports Federations.

Transaction Mode

Lecture, Seminar, e-Team Teaching, e-Tutoring, Dialogue, Peer Group Discussion, Mobile Teaching, Self-Learning, Collaborative Learning and Cooperative Learning

Suggested Readings

- Singh. A (2007). *Essential of Physical Education*. Kalyani Publisher B-1/292, Rajinder Nagar, Ludhiana.
- Kutty, S. (2007). *Research Methods in Physical Education*. Sports Publication, EMCA House, Ansari Road, Darya Ganj.
- Sharma. D. R. (2005). *Learning Callisthenics in Physical Education*. Friends Publication. Delhi

Course Title: Proficiency of Athletics and Games	L	T	P	Cr.
Course Code: BAT1116	0	0	2	1

Total Hours: 15

Course Learning Outcomes: After completion of this course, the learner will be able to:

1. Demonstrate the starting and finishing techniques of running events.
2. Contrast the rules of any one game from Hockey, Badminton and Football.
3. Demonstrate the measurements for the events and games.
4. Acknowledge the basic and advanced techniques of the game.

Course Content

Running Events –

Sprints 100 Meter

200Meter

400Meter

100MeterHurdles

110MeterHurdles

400MetersHurdles

Jumping & Throwing Events–

Long Jump

Triple Jump

Shot Put

Discus

Throw

Games–

Hockey

Badminton

Football

Course Title: Computer Application	L	T	P	Cr.
Course Code: BAT117	2	0	0	2

Total Hours: 30

Learning Outcomes: After completion of this course, the learner will be able to:

1. Learn about basics of computers.
2. Understand the MS Word.
3. Explore the basics of Excel.
4. Know about the basics of Power Point.

Course Content

UNIT-I

7 Hours

Basics of Computers: Definition of a computer; Characteristics and Applications of computers; Block Diagram of a Digital Computer; Classification of Computers based on size and working; Central Processing UNIT; I/O Devices. Definition and Types of Operating system: MS-DOS, MS Windows; Desktop, Computer, Documents, Pictures, Music, Videos, Recycle Bin, Task Bar, Control Panel.

UNIT-II

7 Hours

MS-Word: Features of MS-Word; MS-Word Window Components; Creating, Editing, Formatting and Printing of Documents; Headers and Footers; Insert/Draw Tables, Table Auto Format; Page Borders and Shading; Inserting Symbols, Shapes, Word Art, Page Numbers.

UNIT-III

7 Hours

MS-PowerPoint: Features of PowerPoint; Creating a Blank Presentation; Creating a Presentation using a Template; Inserting and Deleting Slides in a Presentation; Adding Clip Art/Pictures; Inserting Other Objects, Audio, Video; Resizing and Scaling of an Object, Slide Translation; Custom Animation.

UNIT-IV

9 Hours

MS-Excel: Overview of Excel Features; Creating a new worksheet, selecting cells, entering and editing Text, Numbers, Formulae, referencing cells; Inserting Rows/Columns; Changing column widths and row heights, auto format, changing font sizes, colours, shading.

BA(BAT24)

Transaction Mode:

Lecture, Problem Solving, blended learning, Discussion & Demonstration, and Case Studies.

Suggested Readings:

1. • *Fundamentals of Computers by Reema Thareja, Second Edition, Oxford University Press, India.*
2. • *Fundamentals of Information Technology Including Lab Work by Vinod Babu Bandari, Pearson Publishers.*

Course Title: Computer Application-Lab	L	T	P	Cr.
Course Code: BAT1118	0	0	2	1

Total Hours: 15**Course Content**

1. Creating and Formatting a Document
2. Working with Tables and Auto Format
3. Enhancing Documents with Visual Elements- symbols, shapes, and WordArt.
4. Adding Page Borders and Shading
5. Creating a Simple Presentation
6. Working with Multimedia Elements- clip art, pictures, audio, and video
7. Applying Custom Animation
8. Creating and Managing Slides
9. Working with Worksheets
10. Formatting Cells
11. Using Simple Formulas and References
12. Inserting and Modifying Rows/Columns

Course Title: Leadership and Team Dynamics	L	T	P	Cr.
Course Code: BAT1119	3	0	0	3

Total Hours:30

Course Learning Outcomes: After completion of this course, the learner will be able to:

1. Understand the history of leadership and current leadership theories.
2. Explain how leadership models are put into practice personally, locally, and globally.
3. Discuss the knowledge of developing leadership abilities.
4. Describe the concept of Strategic Leadership and ethical leadership.
5. Explain the composition, formation, and development of teams.

Course Content

Unit-I

07 Hours

Leadership: Meaning, definitions, Skills and Roles of a leader, analysis of leadership theory; Leadership traits and ethics: Personality traits and leadership, Leadership attitudes, ethical leadership, Leadership behaviour and motivation, contingency leadership. Understanding the inspiration, dilemmas, and issues in becoming a leader.

Unit – II

08 Hours

Leadership theories and styles, charismatic and transformational leadership, team leadership, organizational Leadership, strategic leadership, Leadership for creating high-performance culture, Leadership development through self-awareness and self-discipline, Development through education, experience and mentoring, Succession, Evaluation of leadership development efforts, leadership communication.

Unit –III

07 Hours

Strategic leadership, ethical leadership, the leader as social architect-creating vision and strategic direction, shaping culture and values, designing and leading a learning I.K.G. Punjab Technical University MBA Batch 2018 onwards organization, leading change, spiritual foundations of personal effectiveness, the habits of highly effective people.

Unit –IV

08 Hours

Team composition, formation, and development-Team Performance and Motivation- Team Conflict and Leadership-Team Decision Making, Discovering the interpersonal orientation through FIRO-B, Experiential learning methodologies-T- group sensitivity training,

encounter groups, appreciative enquiry, Discovering facets of interpersonal trust through Johari window, communication skills, Negotiation skills and strategies for team building, , team morale, conflict resolution in teams, competitive vs collaborative behavior, developing collaboration.

Transaction Mode

Flipped teaching, Demonstration, Case Analysis, Visualization, Group discussion, Active participation, Mentor-mentee

Suggested Readings

- *Richard L.Hughes (2018), Leadership, McGraw-Hill. ed. 8*
- *Bass, B.M. (1973) Leadership, Psychology and Organizational Behaviour, Greenwood Pub Group.*
- *Northouse, P.G.(2018) Leadership - Theory and Practice, Sage Publications.*
- *Purohit, S. & Nayak, S. (2003) Enhancing Personal Effectiveness: Training Instruments for Students, Teachers and Parents, Tata McGraw-Hill.*
- *Tannenbaum, R., Weschler, I.R. and Hansen, J. (2015) Leadership and Organization: A Behavioral Science Approach, McGraw-Hill*

Course Title: Constitutional Law-I	L	T	P	C
Course Code: BAT1120	3	0	0	3

Total Hours 30

Course Learning Outcomes: After completion of this course, the learner will be able to:

1. Analyze the conceptual knowledge about the formation of Indian Constitution and the citizenship laws read with Citizenship Act, 1955.
2. Evaluate the wider scope of Fundamental Rights and its limitations.
3. Assess the judiciary, its organs and how they protect the fundamental rights of citizens.
4. Develop the foundation of Socio, Political and Economic policies and legislations.

Course Content

UNIT I

11 Hours

Nature and Salient features of Constitution, Preamble Union and its Territory

(Art 1-4) Citizenship (Art 5-11) State (Art. 12)

UNIT II

12 Hours

Fundamental Rights – To Whom Available, Article 13, Right to Equality (Art. 14-18) Right to Freedom (Art. 19-20)

UNIT III

12 Hours

Right to Freedom (Art. 21-22), Right against Exploitation (Art. 23 and 24) Freedom of Religion (Art. 25-28), Cultural and Educational Rights (Art. 29 and 30), Writ Jurisdiction of Higher Courts including Judicial Activism in India. (Art. 32 and 226)

UNIT IV

10 Hours

Directive Principles of State Policy (Art. 36-51) Fundamental Duties (Art. 51A)

Suggested Readings:

- Shukla V.N. (2013) "Constitution of India", Eastern Book Company, 12th Edition.
- Kumar Narinder (2010) "Constitution law of India", Allahabad Law Agency Law publishers, Faridabad, 9th Edition.
- Bhasin Singharas Tindar, Bharat Dasin Siddhasan Kakanin, The Audit Publications Bureau, National Institutes of Education.
- SasinghjadUspinder, Bharat da sinsidhasankakanin, Madan Publication House, Pustala

Web Sources

- <https://ijrar.org/papers/IJRAR2001856.pdf>

- <https://data-flair.training/blogs/fundamentalrights-and-duties-in-indian-constitution/>
- <https://blog.ipleaders.in/directive-principles-state-policy/>
- <https://legalaffairs.gov.in/sites/default/files/chapter%207.pdf>
- <https://testbook.com/ias-preparation/important-articles-inconstitution-india>

Course Title: Food Safety and Standards	L	T	P	Cr.
Course Code: BAT1121	2	0	0	2

Total Hours: 30

Course Outcomes: After completion of the course, the students will be able to:

1. Learn the several practices involved in the value addition of foods.
2. Prepare different processed products of fruits and vegetables.
3. Learn about the safety of foods and the terminology of food storage.
4. Know about different standards and guidelines, and specifications for the preparation of different processed products as per FSSAI.

Course Contents

UNIT-I

Theory

08 Hours

Introduction to Food Processing and Value Addition

Food and its importance; scope of food processing; value addition concept; food processing techniques.

UNIT-II

07 Hours

Processing of Fruits and Vegetables

Methods of processing: drying, canning, freezing, pickling, brining, syruring; processed products: fruit beverages, jam, jelly, and ketchup; Packaging and storage.

UNIT-III

07 Hours

Food Preservation and Safety

Food hazards and contamination; food safety concept; personal hygiene and sanitation in food handling; methods and principles of food preservation;

UNIT-IV

08 Hours

Standards, Guidelines and Quality Assurance

FSSAI: objectives and functions; food quality; Good Manufacturing Practices(GMP), Good Hygiene Practices (GHP); Labelling regulations and nutritional information

Course Title: Environment Education	L	T	P	Cr.
Course Code: VAC0001	2	0	0	2

Total Hours: 30

Course Learning Outcomes: After completing all the UNITs, students will learn:

1. Grasp the concept of Environmental Science, its components, types of natural resources, their distribution, and usage, with a focus on India.
2. Discuss the factors impacting biodiversity loss and ecosystem degradation in India and the world.
3. An overview of Contemporary Environmental Issues i.e National and Global efforts to address climate change adaptation and mitigation.
4. To understand environmental laws for monitoring pollution.

Course Content

UNIT-I

6 Hours

The man-environment interaction: Humans as hunter-gatherers; Mastery of fire; Origin of agriculture; Emergence of city-states; Great ancient civilizations and the environment, Indic Knowledge and Culture of sustainability; Middle Ages and Renaissance; Industrial revolution and its impact on the environment; Population growth and natural resource exploitation; Global environmental change. Environmental Ethics and emergence of environmentalism: Anthropocentric and eco-centric perspectives (Major thinkers); The Club of Rome- Limits to Growth; UN Conference on Human Environment 1972; World Commission on Environment and Development and Rio Summit. Natural resources: Definition and Classification. Microbes as a resource; Status and challenges. Environmental impact of over-exploitation, issues and challenges; Water scarcity and Conflicts over water. Mineral resources and their exploitation; Environmental problems due to extraction of minerals and use; Soil as a resource and its degradation. Energy resources: Sources and their classification. Implications of energy use on the environment. Introduction to sustainable development: Sustainable Development Goals (SDGs)- targets and indicators, challenges and strategies for SDGs.

UNIT-II

6 Hours

Biodiversity as a natural resource; Levels and types. Biodiversity in India and the world; Biodiversity hotspots; Species and ecosystem threat categories. Major ecosystem types in India, their services, classification, significance and characteristics of forests, wetlands, grasslands, agriculture, coastal and marine; Threats to biodiversity and ecosystems: Land use and land cover change; Commercial exploitation of species; Invasive species; Fire, disasters and climate change. Major conservation policies: in-situ and ex-situ approaches; National and International Instruments for biodiversity conservation; the role of traditional knowledge, community-based conservation; Gender and conservation. Environmental issues and scales: micro-, meso-, synoptic and planetary scales; Temporal and spatial extents of local, regional, and global phenomena. Pollution: Types of Pollution- air, noise,

water, soil, thermal, radioactive; municipal solid waste, hazardous waste; transboundary air pollution; acid rain; smog. Land use and Land cover change: land degradation, deforestation, desertification, urbanization. Biodiversity loss: past and current trends, impact. Global change: Ozone layer depletion; Natural Disasters – Natural and Man-made (Anthropogenic).

UNIT-III

8 Hours

Definition of pollution; Point and non-point sources. Air pollution: sources, Impacts, Primary and Secondary pollutants; Criteria pollutants- carbon monoxide, lead, nitrogen oxides, ground-level ozone, particulate matter and sulphur dioxide; Other important air pollutants- Volatile Organic compounds (VOCs), Peroxyacetyl Nitrate (PAN), Polycyclic aromatic hydrocarbons (PAHs) and Persistent organic pollutants (POPs); Indoor air pollution; National Ambient Air Quality Standards. Water pollution: Sources; River, lake and marine pollution, groundwater pollution, impacts; Water quality parameters and standards. Soil pollution: sources and pollutants. Solid and hazardous waste, its impacts. Noise pollution: Definition, UNIT of measurement, sources, noise standards; adverse impacts. Thermal and Radioactive pollution: Sources and impacts. Climate change: natural variations in climate due to greenhouse gas emission- past, present & future. Structure of atmosphere. Projections of global climate change with special reference to temperature, rainfall, climate variability and extreme events; Importance of 1.5 °C and 2.0 °C limits to global warming; Climate change projections for the Indian sub-continent. Impacts, vulnerability and adaptation to climate change: Observed impacts of climate change on ocean and land systems; Sea level rise, changes in marine and coastal ecosystems; Impacts on forests, natural ecosystems, animal species, agriculture, health, urban infrastructure; the concept of vulnerability and its assessment; Adaptation vs. resilience; Climate-resilient development; Indigenous knowledge for adaptation to climate change. Mitigation of climate change: Synergies between adaptation and mitigation measures; Green House Gas (GHG) reduction vs. sink enhancement; Concept of carbon intensity, energy intensity and carbon neutrality; National and international policy instruments for mitigation, decarbonizing pathways and net zero targets for the future; Energy efficiency measures; Carbon capture and storage, National climate action plan and Intended Nationally Determined Contributions (INDCs); Climate justice.

UNIT-IV

10 Hours

Introduction to environmental laws and regulation: Article 48A, Article 51A (g) and other environmental rights; Introduction to environmental legislations on the forest, wildlife and pollution control. Environmental management system: ISO 14001 Concept of Circular Economy, Life cycle analysis; Cost-benefit analysis Environmental audit and impact assessment; Environmental risk assessment Pollution control and management; Waste Management- Concept of 3R (Reduce, Recycle and Reuse) and sustainability; Ecolabeling /Ecomark scheme. Bilateral and multilateral agreements on international co-operation of instruments; conventions and protocols; binding and nonbinding measures; Conference of the Parties (COP) Major International Environmental Agreements:- Convention on Biological Diversity (CBD); Cartagena Protocol on Biosafety; Nagoya Protocol on Access and Benefit-sharing; Convention on International Trade in Endangered Species of Wild Flora and Fauna

(CITES); Ramsar Convention on Wetlands of International Importance; United Nations Convention to Combat Desertification (UNCCD); Vienna Convention for the Protection of the Ozone Layer; Montreal Protocol on Substances that Deplete the Ozone Layer and the Kigali Amendment; Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal; Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade; Stockholm Convention, Minamata Convention, United Nations Framework Convention on Climate Change (UNFCCC); Kyoto Protocol; Paris Agreement; India's status as a party to major conventions Major Indian Environmental Legislations: The Wild Life (Protection) Act, 1972; The Water (Prevention and Control of Pollution) Act, 1974; The Forest (Conservation) Act, 1980; The Air (Prevention and Control of Pollution) Act, 1981; The Environment (Protection) Act, 1986; The Biological Diversity Act, 2002; The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006; Noise Pollution (Regulation and Control) Rules, 2000; Industry-specific environmental standards; Waste management rules; Ramsar sites; Biosphere reserves; Protected Areas; Ecologically Sensitive Areas; Coastal Regulation Zone; Production and consumption of Ozone Depleting substances, Green Tribunal; Some landmark Supreme Court judgements Major International organizations and initiatives: United Nations Environment Programme (UNEP), International Union for Conservation of Nature (IUCN), World Commission on Environment and Development (WCED), United Nations Educational, Scientific and Cultural Organization (UNESCO), Intergovernmental Panel on Climate Change (IPCC), and Man and the Biosphere (MAB) programme.

Suggested Readings: -

- Chahal, M. K. (2024). Environmental Science and Hazards Management (Ecology and Risk Management), ISBN:978-93-6440-586-7.
- Baskar, S. and Baskar, R. (2009). Natural Disasters (Earth's Processes & Geological Hazards), ISBN: 978-81-7806-168-9.
- Tiefenbacher, J (ed.) (2022), Environmental Management - Pollution, Habitat, Ecology, and Sustainability, Intech Open, London. 10.5772/
- KanchiKohli and Manju Menon (2021) Development of Environment Laws in India, Cambridge University Press.
- Bhagwat, Shonil (Editor) (2018) Conservation and Development in India: Reimagining Wilderness, Earthscan Conservation and Development, Routledge.
- Manahan, S.E. (2022). Environmental Chemistry (11th ed.). CRC Press. <https://doi.org/10.1201/9781003096238>.
- William P.Cunningham and Mary A. (2015) Cunningham Environmental Science: A Global Concern, Publisher (Mc-Graw Hill, USA)
- Central Pollution Control Board Web page for various pollution standards. <https://cpcb.nic.in/standards/>
- Theodore, M. K. and Theodore, Louis (2021) Introduction to Environmental Management, 2nd Edition. CRC Press.
- Ministry of Environment, Forest and Climate Change (2019) A Handbook on International Environment Conventions & Programmes.

Course Title: Punjabi Kavitate Vartak (ਪੰਜਾਬੀਕਵਿਤਾਤੇਵਰਤਕ)	L	T	P	Cr.
Course Code: BAT1122	2	0	0	2

Total Hours: 30**Learning outcomes:** ਇਸਕੋਰਸਨੂੰਪੂਰਾਕਰਨਉਪਰੰਤਵਿਦਿਆਰਥੀ:

1. ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਵਿਤਾ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।
2. ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਨਗੇ।
3. ਸਵੈ-ਜੀਵਨੀ ਨੂੰ ਸਮਝਣ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।
4. ਮੱਧਕਾਲੀ ਵਾਰਤਕ ਦੇ ਰੂਪਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਨਗੇ।

Course Content**ਭਾਗ- ਓ****08 hours**

ਦੋ ਰੰਗ (ਕਵਿਤਾ ਭਾਗ) (ਸੰਪਾਦਕ ਹਰਜਿੰਦਰ ਸਿੰਘ ਢਿੱਲੋਂ ਅਤੇ ਪ੍ਰੀਤਮ ਸਿੰਘ ਸਿੰਘ ਸਰਗੋਧੀਆਂ
)ਗੁਰਰੂਨਾਨਕਦੇਵਯੂਨੀਵਰਸਿਟੀਅੰਮ੍ਰਿਤਸਰ।ਲੇਖਕਦਾਜੀਵਨਤੇਰਚਨਾ, ਪ੍ਰਸੰਗਸਾਹਿਤਵਿਆਖਿਆਕਵਿਤਾਦਾਵਿਸ਼ਾ-ਵਸਤੂ।

ਭਾਗ-ਅ**07 hours**

ਭਾਸ਼ਾ ਵੰਨਗੀਆਂ :ਭਾਸ਼ਾਦਾਟਕਸਾਲੀਰੂਪ,ਭਾਸ਼ਾਅਤੇਉਪਭਾਸ਼ਾਵਿਚਅੰਤਰ, ਪੰਜਾਬੀਉਪਭਾਸ਼ਾਵਾਂਦੇਪਛਾਣਚਿੰਨ੍ਹ।

ਪੰਜਾਬੀ ਭਾਸ਼ਾ :ਨਿਕਾਸਅਤੇਵਿਕਾਸ

ਭਾਗ-ੲ**07 hours**

ਨੰਗੇ ਪੈਰਾਂ ਦਾ ਸਫਰ (ਸਵੈ-ਜੀਵਨੀ) ਡਾ. ਦਲੀਪ ਕੌਰ ਟਿਵਣਾ

ਭਾਗ-ਸ**08 hours**

ਸਾਹਿਤ :ਅਰਥ. ਪਰਿਭਾਸ਼ਾਅਤੇਸਾਹਿਤਦੇਤੱਤਮੱਧਕਾਲੀਸਾਹਿਤਦੇਰੂਪ (ਵਾਰਤਕ) :ਜਨਮਸਾਖੀ, ਸਾਖੀਪਰਚੀ,ਗੋਸ਼ਟਿ, ਹੁਕਮਨਾਮਾ।

ਪੁਸਤਕਸੂਚੀ

- ਰਾਜਿੰਦਰਪਾਲਬਰਾੜ,ਆਧੁਨਿਕਪੰਜਾਬੀਕਵਿਤਾਦਾਇਤਿਹਾਸ, ਪੰਜਾਬੀਅਕਾਦਮੀਦਿਲੀ।
- ਬੁਟਾਸਿੰਘਬਰਾੜ, ਪੰਜਾਬੀਭਾਸ਼ਾਸਰੋਤਤੇਸਰੂਪ, ਵਾਰਿਸਸ਼ਾਹਫਾਊਡੇਸਨ, ਅੰਮ੍ਰਿਤਸਰ
- ਸੁਖਵਿੰਦਰਸਿੰਘਸੰਘਾਂ, ਪੰਜਾਬੀਭਾਸ਼ਾਵਿਗਿਆਨ, ਪੰਜਾਬੀਭਾਸ਼ਾਅਕਾਦਮੀ, ਜਲੰਧਰ
- ਜਸਵਿੰਦਰਸਿੰਘ, ਨਵੀਂਪੰਜਾਬੀਕਵਿਤਾਪਛਾਣਚਿੰਨ੍ਹ, ਚੇਤਨਾਪ੍ਰਕਾਸ਼ਨ, ਲੁਧਿਆਣਾ
- ਅਮਰਜੀਤਸਿੰਘਕਾਂਗਅਤੇਤੇਜਵੰਤਮਾਨ, ਵਾਰਤਕੀਮੱਧਕਾਲੀਅਤੇਆਧੁਨਿਕਪੰਜਾਬੀਵਾਰਤਕ .ਪਬਲੀਕੇਸ਼ਨਬਿਊਰੋ, ਪੰਜਾਬੀਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।

- ਡਾ. ਪ੍ਰੇਮਪ੍ਰਕਾਸ਼ਸਿੰਘ, ਸਿਧਾਂਤਕਭਾਸ਼ਾ- ਵਿਗਿਆਨ, ਪਬਲੀਕੇਸ਼ਨਮਦਾਨ, ਪਟਿਆਲਾ।
ਰਤਨਸਿੰਘਜੱਗੀ, ਸਾਹਿਤਦੇਰੂਪ, ਪੰਜਾਬੀਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ

Course Title: (Hindi) आधुनिकभारतीयभाषाहिन्दी	L	T	P	Cr.
Course Code: BAT1123	2	0	0	2

Total Hours: 30

Course Learning Outcome छात्रोंमेंहिन्दीभाषाकीमूलभूतसंरचना (व्याकरण, वाक्यरचना, शब्द ज्ञान) काविकासकरना।

1. शुद्ध औरप्रभावशालीहिन्दीबोलने, पढ़ने, लिखनेतथासमझनेकीक्षमताकोबढ़ाना।
2. विभिन्नसाहित्यिकआंदोलनों, प्रवृत्तियोंऔरलेखकोंकीविशेषताओंकोसमझाना।
3. साहित्यिकरचनाओंकेमाध्यमसेसामाजिक, सांस्कृतिकएवंनैतिकमूल्योंकोसमझाना।
4. आधुनिकहिन्दीसाहित्यकीप्रमुखविधाओं (कविता, कहानी, निबंध, उपन्यास, नाटकआदि) कापरिचयदेना।

Course Content

इकाई 1: हिंदीभाषाऔरसाहित्य

08 Hours

(क) आधुनिकभारतीयभाषाओंकाउद्भवऔरविकास

(ख) हिंदीभाषाकापरिचयएवंविकास

इकाई 2: भक्तिकालीनहिंदीकविता

08 Hours

कबीर : कबीरग्रंथावली, संपा. श्यामसुंदरदास, काशीनागरीप्रचारिणीसभा, उन्नीसवांसंस्करणसं. वि.

पृ. दोहा 27, पृ. 29 दोहा 20, पृ. 30 दोहा 3. पू. 30 दोहा 4. पृ. 35 दोहा 8, पृ. 39 दोहा 9.

इकाई 3: रीतिकालीनहिंदीकविता

07 Hours

बिहारी : बिहारीरत्नाकरसंपा. जगन्नाथदासरत्नाकरबी.ए., प्रकाशनसंस्थाननईदिल्ली, सं. 2006

इकाई 4 : आधुनिकहिंदीकविता

07 Hours

मैथिलीशरणगुप्तजयद्रथवध (प्रथमपरिच्छेद) जयशंकरप्रसाद, हिमाद्रितुंगश्रृंगसे

सहायकग्रंथ :

हिंदीसाहित्यकाइतिहासरामचंद्रशुक्ल

हिंदीसाहित्यकीभूमिकाहजारीप्रसादद्विवेदी

हिंदीसाहित्यकाअतीत-विश्वनाथप्रसादमिश्र

हिंदीसाहित्यकाइतिहाससंपा. डॉ. नगेंद्र

हिंदीसाहित्यऔरसंवेदनाकाविकास-रामस्वरूपचतुर्वेदी

हिंदीसाहित्य: उद्भवऔरविकासहजारीप्रसादद्विवेदी

हिंदीसाहित्यकाबृहत्इतिहास (17 खण्ड) नागरीप्रचारिणीसभा

हिंदीसाहित्यकाआदिकालहजारीप्रसादद्विवेदी

हिंदीकागद्यसाहित्यरामचंद्रतिवारी

हिंदीनिबंधकेआधारस्तंभ-हरिमोहन

प्रगतिवाद-शिवकुमारमिश्र

छठवाँदशक-विजयदेवनारायणसाही

हिंदीनवगीत: उद्भवऔरविकासराजेंद्रगौतम-

हिंदीगजलकीविकास-यात्रा-ज्ञानप्रकाशविवेक

समकालीनहिंदीकविताविश्वनाथप्रसादतिवारी-

Course Title: English Prose and Poetry	L	T	P	Cr.
Course Code: BAT1124	2	0	0	2

Total Hours: 30

Course Learning Outcomes: After completion of this course, the learner will be able to:

1. Analyse and appreciate the distinctive styles of selected authors across a variety of time and space.
2. Critically analyse and individually interpret the themes, literary techniques and cultural significance of selected poetic pieces.
3. Internalize the grammar and appropriate vocabulary of English language.
4. Inculcate writings skills for official correspondence, media communication, And enhancing vocabulary and accuracy.

Course Content

UNIT-I

10 Hours

George Orwell: Animal Farm

UNIT-II

08 Hours

The Poetic Palette (Orient Blackswan, 2013) The following poems from this anthology are prescribed: The Villain: W.H. Davis Magic of Love: Helen Farries

UNIT-III

05 Hours

Texts prescribed for grammar oxford practice grammar by John Eastwood (Exercises 15 to 25)

UNIT-IV

07 Hours

Writing skills Tenses

Transaction Mode- Brainstorming, Quiz, Group Discussion, Open Talk.

Suggested Readings

Davies, W.H. *Selected Poems*. Penguin Classics, 2015.

Eastwood, John. *Oxford Practice Grammar*. OUP, 2004.

Orwell, G. (1946). *Animal farm: a fairy story*. The New American Library.

Semester II

Course Title: Political History of Medieval India	L	T	P	Cr.
Course Code: BAT2150	4	0	0	4

Total Hours: 60

Learning Outcomes: After completion of this course, the learner will be able to

1. Evaluate the social and political conditions of India in 1000 A.D. along with the Mahmud Gahazni's and Muhammad Ghori's Invasions of India.
2. Understand the foundation, expansion and consolidation of the Delhi Sultanate with special focus on prominent dynasties like Ilbari Turks, Khaljis, and Tughlaqs,
3. Analyze the establishment of Mughal rule with the first battle of Panipat, along with the achievements of Humayun and the Religious and Rajput Policy of Akbar.
4. Know the Aurangzeb, his Deccan, religious and Rajput policy.

Course Content

UNIT-I

15 Hours

Political and Social conditions of India in 1000 A.D.

Mahmud Ghazni's Invasions, their causes and impact, Muhammad Ghori invasion of India, focus will be on First and Second Battle of Tarain.

UNIT-II

15 Hours

Foundation of Slave Dynasity with special reference to Qutb u- Din Aibak, Iltutmish, Razia Sultan and Balban.

Khalji and Tughlaq Dynasties, with focus on Jalalu Din Khilji, Alauddin Khilji, Ghiyasuddin Tughluq, Muhammad bin Tughluq and Firuz Shah Tughluq

UNIT-III

15 Hours

Foundation of Mughal rule: Babur and the First Battle of Panipat, causes and consequences, Achievements of Humayun. Humayun's relation with Sher Shah Suri. Sher Shah Suri, his administration and other reforms.

Jalaluddin Akbar: Second battle of Panipat, Rajpute Policy, Religious Policy and Mansabdari System

UNIT-IV**15 Hours**

Aurangazeb: His Religious policy, Deccan Policy and its impact on Mughal History, decline of Mughal Empire:(Causes and Consequences)

Transaction Mode

Lecture, Group Discussion, Quiz, Open Talk, Self-study, Assignment.

Suggested Readings:

- Chandra, S. (2007). *A History of Medieval India*. Oxford University Press.
- Sen, S. N. (2013). *A Textbook of Medieval Indian History*. Ratna Sagar.
- Habib, I. (2003). *Medieval India: From Sultanate to the Mughals (1526-1748)*. Aligarh Book Society.
- Sarkar, J. (1984). *History of Aurangzeb*. Orient Longman
- Richards, J. F. (1993). *The Mughal Empire*. Cambridge University Press.

Reference Books:

- Banerjee, J. (1989). *Delhi Sultanate (Vol. 1)*. Gyan Books.
- Elliot, H. M., & Dowson, J. (1867-1877). *The History of India, as Told by Its Own Historians: The Muhammadan Period (Vols. 1-8)*. London: Trübner & Co.
- Habib, I. (1992). *The Agrarian System of Mughal India (1556-1707)*. Oxford University Press. (While this focuses on the Mughals, it provides valuable context for the agrarian systems established during the Delhi Sultanate)
- Jackson, P. (1999). *The Delhi Sultanate: A Political and Military History*. Cambridge University Press.
- Siddiqi, I. H. (1980). *Delhi Sultanate in India: A Political and Cultural History (1st ed.)*

Course Title: Macro Economics	L	T	P	Cr.
Course Code: BAT2151	4	0	0	4

Total Hours: 60

Learning Outcomes: After completion of this course, the learner will be able to:

1. Conceptualize the basic concepts of macroeconomics.
2. Analyze the classical theory of employment and Keynes objection to the classical theory.
3. Elaborate the role of fiscal policy and monetary policy in a Developing Economy.
4. Evaluate the phases of the business cycle and the problems caused by cyclical fluctuations in the market economy.

Course Content

UNIT-I

15 Hours

National Income and Classical theory of income and Employment:

Basic concepts of National Income accounting, the measurement of the National Income, Income Method, Value Added Method and Expenditure Method. The circular flow of income. Basic Classical Macroeconomics; Say's Law of Market, The Classical Theory of Income and Employment Determination.

Skill Enhancement Content: Calculation of national income in India (CSO Method).

UNIT-II

15 Hours

Keynesian Theory and Investment:

Effective Demand, factor determining, Consumption Function: (Bandwagon effect, permanent income hypothesis). Investment Function: Concepts of NPV and IRR; Determinants of Investment – Marginal Efficiency of Capital and Rate of Interest; Marginal Efficiency of Investment and Level of Investment. Investment Multiplier.

Skill Enhancement Content:

Case Studies: Application of Keynesian Theory in India.

UNIT-III

15 Hours

Inflation and Business Cycle:

Inflation: Demand Pull vs. Cost Push inflation; Concepts of inflationary gap and stagflation. Business Cycles: Meaning and phases.

Skill Enhancement Content: Estimation of inflation in India.

UNIT-IV**15 Hours****Macroeconomic Policies:**

Monetary Policy: objectives, Instruments: Open Market Operations, Statutory Liquidity Ratio, Bank rate, variable reserve ratio, repo rate; Fiscal Policy – objectives, Instruments and limitations. Budgetary Deficit and Deficit Financing

Skill Enhancement Content: Techniques of formulation, inflation targeted, monetary policy in India

Transaction Mode:

Verbal Exposition, Teacher Talk, Classroom Discussion, Questioning and Answering, Learner Participation, use of ICT tools etc.

Suggested Readings:

- Durnbarg, T F and Dougal, M.C. (2020). *Macro Economics*, McGraw Hill, New York.
- Sharma, O. P. (2022). *Macro Economics (Punjabi Medium)*, Punjabi University, Patiala.
- Ackley, G. (1985). *Macro Economic Theory*, Macmillan, New York.
- Baird, C. W (1977). *Elements of Macro Economics*, West Publishing Company.
- Shapiro, Edward. (2015). *Macroeconomic analysis*, (5th edition), New Delhi, Galgotia publication Pvt. Ltd.
- Dornbusch, R.; Fisher, S. and Startz, R. (2015). *Macroeconomics*, (11th edition), New Delhi, Tata McGraw hill education India Pvt. Ltd.

Course Title: Sikh Thoughts and Main Principles	L	T	P	Cr.
Course Code: BAT2152	4	0	0	4

Total Hours: 60**Learning Outcomes:** After completion of this course, the learner will be able to:

1. Learn that Sikhism is based on the spiritual teachings of Guru Nanak, the first Guru (1469-1539), and the nine Sikh gurus those succeeded him.
2. Understand that the Tenth Guru, Guru Gobind Singh named the Sikh scripture Guru Granth Sahib as his successor, terminating the line of human Gurus and making the scripture the eternal, religious spiritual guide for Sikhs.
3. Understand the fundamental beliefs of Sikhism, articulated in the sacred scripture Guru Granth Sahib.
4. Learn that the principal sikh scripture is the AdiGranth (First Scripture), more commonly called the Guru Granth Sahib.

Course Content**UNIT-I****15 Hours**

ਵਸੱਖਧਰਮਿਆਰੂਭ : ਸਮਕਾਲੀਨਪਰਸਵਥਤੀਆਂਗੁਰੂਨਾਨਕਿੰ : ਜੀਨਿਅਤੇਵਸੱਖਆਂਗੁਰੂਅੰਗਿੰੇਂਿੰਯੋਗਿਨ :
ਵਸੱਖਧਰਮਿਪਰਚਾਰਅਤੇਪਸਾਰਵਿੱਚਯੋਗਿਨ

UNIT-II**15 Hours**

ਗੁਰੂਅਮਰਿਸ : ਸਮਾਜਸੁਧਾਰਿਕਾਰਜ਼ ਗੁਰੂਰਾਮਿਸ : ਅੰਵਮਰਤਸਰਿਸਰੋਂਰਿਖਿੰਾਈਤੇਮਸ਼੍ਰੀਂਪਰਬੁੰਧ ਗੁਰੂਅਰਜਨਿੰ :
ਸ਼ਹਾਂਤਿਕਾਰਨਅਤੇਸਮਕਾਲੀਪਰਸਵਥਤੀਆਂ

UNIT-III**15 Hours**

ਗੁਰੂਹਰਗੋਵਬੁੰਸਾਵਹਬ: ਮੀਰੀ-ਪੀਰੀੰਾਵਸਧਾਂਤਤੇਅਕਾਲਤਖਤੀਸਥਾਪਨਾ ਗੁਰੂਤੇਗਬਹਾਂਰ :
ਵਿਸ਼ਿਧਰਮਵਚੁੰਤਨਅਤੇਵਸੱਖਸ਼ਹਾਂਤਿਗੁਰੂਗੋਵਬੁੰਵਸ਼੍ਰੀਯ : ਖਾਲਸੇਂੀਸਾਜਣਾ

UNIT-IV**15 Hours**

ਬਾਬਾਬੁੰਾਵਸ਼੍ਰੀਯਬਹਾਂਰ: ਜੀਨਿ, ਵਜੱਤਾਂਤੇਸ਼ਹਾਂਤਿ ਵਸੱਖਵਮਸਲਾਂ: ਇਵਤਹਾਸਕਜਾਣ-ਪਛਾਣ, ਗੁਰਮਤਾਤੇਸਰਬੱਤਖਾਲਸਾ
ਮਹਾਰਾਜਾਰਣਜੀਤਵਸ਼੍ਰੀਯ : ਜੀਨਿਤੇਪਰਾਪਤੀਆਂ

ਵਾਰਜੈਕਸ਼ਨਮੇਡ:

- ਲੈਕਚਰ, ਸਮੱਵਸਆਹੱਲ, ਵਮਸ਼ਰਤਵਸਖਲਾਈ, ਚਰਚਾਅਤੇਪਰਿਰਸ਼ਨ, ਅਤੇਕੇਸਅਵਧਐਨ।
- ਸਿਾਇਕਪੁਸਤਕਾਂ ਵਸੱਖਇਵਤਿਸ, ਡਾ. ਗੁੰਡਾਵਸ਼੍ਰੀਯ, ਵਪੁੰਰ. ਤੇਜਾਵਸ਼੍ਰੀਯ, ਪੁੰਜਾਬੀਯੂਨੀਰਿਵਸਟੀ, ਪਵਟਆਲਾ
- ਵਸੱਖਵਿਚਾਰਧਾਰਾ, ਪਰੇ. ਪਰੀਤਮਵਸ਼੍ਰੀਯ, ਸ਼ਰੇਮਣੀਗੁਰਿਆਰਾਪਰਬੁੰਧਕਕਮੇਟੀ, ਅੰਵਮਰਤਸਰ।

- ਬਾਬਾਬੰਦਾਵਸੰਘ, ਡਾ. ਗੁੰਡਾਵਸੰਘਪੁੰਜਾਬੀਯੂਨੀਰਵਸਟੀ, ਪਵਟਆ

Course Title: Modern Principles of Political Theory	L	T	P	Cr.
Course Code: BAT2153	4	0	0	4

Total Hours: 60

Learning Outcomes: After completion of this course, the learner will be able to:

1. Discuss universal declaration of human rights and its importance in social life.
2. Justify the concepts that have shaped politics, including Equality, Liberty, Individuality, Democracy and Justice.
3. Compare Political Culture with Political Socialization.
4. Categorize fundamental rights, duties and directive principle of state policy in social life.

Course Content

Unit I

13 Hours

1. Modern Political System: Meaning, Characteristics And Functions of Political System (David Easton & Almond)
2. Political Culture: Meaning, Concept, Characteristics and Types.
3. Political Socialization: Meaning, Characteristics & Agencies.

Unit II

16 Hours

4. Democracy: Meaning, Features, & Types.
5. Theories of Democracy: Liberal and Elitist

Unit III

14 Hours

6. Citizenship: Meaning, Nature, Characteristics and Types.
7. Rights and Responsibilities in a Democracy and Citizenship

Unit IV

17 Hours

8. State: Concept, Features and Functions.
9. Socialist and Liberal Perspective: Main Characteristics and Functions
10. Social Change: Meaning and Characteristics, Determinants of Social Change

Transaction Mode

Lecture, Group Discussion, Quiz, Open Talk, Self-study, Assignment

SUGGESTED READINGS

- Robert A. Dahl (1972). *Modern Political Analysis*, Prentice Hall, New Delhi.
- Davies & Lewis (1972). *Models of Political Systems*, Vikas, New Delhi.
- Stephen L. Wasby (1972). *Political Science: The Discipline and its Dimensions*, Scientific Book Agency.
- B.L. Fadia (1984). *State Politics in India, Vol. II*, New Delhi, Radint Publisher.
- Laxmikant, M (2013). *Indian Polity*, Mchraw Hill Education, New Delhi.
- R. Kothari (1988). *State against Democracy: In Search of Human Governance*, Delhi, Ajantha.
- R. Kothari (1970). *Politics in India*, New Delhi, Orient Longman.
- Nirja G., P. B. Mehta (2010). *The Oxford Companies to Politics in India*, Oxford University Press.
- M.V. Pylee (1977). *Constitutional Government in India*, Bombay, Asia Publishing House.
- M.V. Pylee (1998). *An Introduction to the Constitution of India*, New Delhi, Vikas
- Baker, Donald G. (1971). "Political Socialization: Parameters & Predispositions.
- Meyer, David S, and Deana A. Rohlinger (2012). "Big books and social movements: A myth of ideas and social change." *Social problems*.
- Lefort, Claude, and David Macey (1988). *Democracy and political theory*. Vol. 225. Cambridge: Polity Press.
- Cohen, Jean L., and Andrew Arato (1994). *Civil society and political theory*. MIT press.
- Carnoy, Martin (2014). *The state and political theory*. Princeton university press.

Course Title: Fundamentals of Sociology	L	T	P	Cr.
Course Code: BAT2154	4	0	0	4

Total Hours: 60

Learning Outcomes: After completion of this course, the learner will be able to:

1. Comprehend the concept of social interaction.
2. Recognize the associative and dis-associative social process.
3. Identify and differentiate the characteristics of primary, secondary and reference social groups.
4. Analyze the importance social institutions, social control and social deviance.

Course Content

UNIT-I: Social Interaction and Social Processes

15 Hours

Social Interaction: Understanding the Dynamics Concepts and importance of social interaction, Types of social interaction Types of Social Processes integrative Processes: Cooperation, Accommodation, Assimilation, Disintegrative Processes: Competition Conflict

UNIT-II: Social Groups and Dynamics

15 Hours

Social Groups: Definitions and Characteristics Understanding social groups Characteristics and dynamics Types of Social Groups Primary and Secondary Groups In-group and Out-group dynamics

UNIT-III: Institutions and Changing Social Patterns

15 Hours

Marriage and Family Dynamics Definition and Functions of Marriage Changing Patterns in Marriage Definition and Functions of Family Changing Patterns in Family Dynamics Emerging Challenges in Social Relationships Understanding contemporary issues and crises in relationships. Religion in Society Definition and Functions of Religion Role of Religion in Social Dynamics

UNIT-IV: Social Control and Deviance

15 Hours

Social Control: Mechanisms and Agencies Meaning and significance of social control Various agencies of social control Understanding Social Deviance Definition and types of social deviance Factors contributing to social deviance Lecture, Problem Solving, blended learning, Discussion & Demonstration.

Suggested Readings:

- Rao, Shankar C.N. (2005) *Sociology Part-I*. Jalandhar: New Academic Publishing House.
- Giddens, Anthony (2001). *Sociology*. London: Polity.
- Haralambos, M (1980) *Sociology: Themes and Perspective*. London: Oxford University Press
- Davis, Kingsley (1978) *Human Society*. London: Mac Millan Company.
- Jayaram, N. (1988) *Introductory Sociology*. Madras: Macmillan India.
- Johnson, Harry, M. (1980) *A Systematic introduction*. Delhi: Allied Publishers.
- Bachelor of Arts (BA24)
- Mair, Luc (1972) *An Introduction to Social Anthropology*. London: Oxford Clarendon Press.
- Mujamdar, D.N. & Madam T.N. (1956. *An Introduction to Social Anthropology*. Bombay: Asian Publishing House.
- Schaefer, Richard T. 1999. *Sociology*. New Delhi: Tata Mc Graw-Hill.
- Srinivas, M.N. 1995. *Social change in Modern India*. New Delhi: Orient Longman.
- Srivastava, A.R.N. 2005. *Essentials of Cultural Anthropology*, New Delhi: Prentice Hall of India.

Course Title: Community Organizations and Development	L	T	P	Cr.
Course Code: BAT2155	4	0	0	4

Total Hours: 60

Course Learning Outcomes: On successful completion of this course, the students will be able to:

1. Define and explain the fundamental concepts of social work practice, including values, principles, and ethical standards.
2. Summarize and analyze different methods and approaches used in social work practice, such as social case work, community organization, and social group work.
3. Apply the knowledge gained to real-life scenarios by demonstrating an understanding of how social work principles can be used to address issues like empowerment, marginalization, and social inclusion.
4. Propose innovative and ethical solutions to complex social issues by applying critical social work perspectives and principles of humanism, human rights, and social justice.

Course Content

UNIT-I

14 hours

Community: Concept (Sociological and Practitioner); Community Work within Social Work; Definition, Objectives, Principles and Relevance of Community Organization Practice; Historical Development of Community Organization; Community Organizational India.

UNIT-II

15 hours

Community Organization: Process of Community Organization - Study and Survey, Analysis, Assessment, Discussion, Organization, Action, Reflection, Modification and Continuation; Models of Community Organization - Locality Development Model, Social Planning Model, Social Action Model; Approaches Directive and Non-directive. Role of Advocacy, Extension and Dissemination in the Community.

UNIT-III**14 hours**

Community Development: Concept, History, Principles, Objectives and Community Development; Models of Participation and Empowerment: Assets-Based Community Development, Theoretical Path for Community Engagement; Community Leadership; Discrimination and Community Development Programming; Types of Discrimination & their Impact on Capacity Development, Addressing the Community Level; Community Development Programme- Gram Panchayat Development Plan (GPDP).

UNIT-IV**16 Hours**

Community Organizer: Role of the Community Organizer within Different Models (Enabler, Educator, Advocate, Guide, Broker, Networking and Therapist); Skills and Attributes of a Community Organization Practitioner- Problem Analysis, Resource Mobilization, Communicator, Conflict Resolution, Organizing Meetings, Writing and Documenting Networking, Training.

Suggested Readings

- Lal (2017), *India Social: How social media is Leading the change and Changing the Country*, Hachette India.
- Beher A & Samuel J (2006) *Social Watch in India: Citizens Report on Governance and Development*, Pune: NCAS.
- Freire (2005), *Pedagogy of the Oppressed*, The Continuum International Publishing Group Ltd, United States of America.
- Chambers (2000) *Fearless Minds: Rights Based Approach to Organizing and Advocacy*, Pune: National Centre for Advocacy.
- PRIA (1995) *Participatory Evaluation: Issues and Concerns*, New Delhi: PRIA.
- Dhama, O. P & Bhatnager, O.P. (1994) *Education and Communication for Development*. New Delhi: Oxford & IBG Pub. Co. Pvt; Ltd.
- Cox Fred (1987), *Community organization*, Michigan: F.E. Peacock Publishers.
- Rao, MSA (1979) *Social Movements in India*, New Delhi: Vol.1 and 2, Manohar Publication.

Course Title: Human Growth and Development	L	T	P	Cr.
Course Code: BAT2156	4	0	0	4

Total Hours: 60

Course Outcomes: On the completion of the course the students will be able to

1. Summarize theoretical perspectives and stages of human development
2. Identify challenges and issues in various stages of human development
3. Critically analyze the challenges and issues in adolescence
4. Analyse the psychosocial changes among adults.

Course Content

Unit-I

15 hours

Growth and Development: Concept, General Principles of Growth and Development, characteristics of development, difference between growth and development. Heredity and Environment. Role of heredity and environment during prenatal and infancy stage (Physical, Psychosocial, Cognitive and Linguistic).

Unit-II

15 hours

Childhood and Late Childhood: Development (Physical, Psychosocial, Cognitive and Linguistic), Challenges and issues. Role of Parents and Education in the development of during childhood.

Unit-III

15 hours

Development during Adolescence (Physical, Psychosocial, Cognitive and Linguistic). Challenges and issues in Adolescence. Role of Parents and Education in the development of during Adolescence.

Unit-IV

15 hours

Adulthood: Stages, Physical Changes, Cognitive changes, Psycho social changes. Old age: Physical Changes, Cognitive changes, Psycho social changes. Challenges and issues in aging process. Role of society during the period of Adulthood.

Transactional Mode

Video-Based Teaching, Collaborative Teaching, Dialogue, Group Discussion, Brain Storming, Peer Teaching Demonstration, Project Based Learning, Team Teaching, Peer Feedback, Case Studies, Demonstration.

Suggested Readings

- *Dr. Ankita Singh (2022): Life Span Development Psychology; Aavishkar Publishers, Distributors, Jaipur.*
- *Dr. Shashi Jain (2014): Introduction to Psychology, Kalyani Publishers.*
- *Hurlock, E. B. (2004): Developmental Psychology: A Life Span Approach (5th Ed. New Delhi) Tata McGraw-Hill Publishing Co. Ltd.*
- *George Kaluger (1884): Human Development the Span of Life. Times Mirror Mosby College Publishing: Toronto*
- *L. Joseph Stone & Joseph Church: Childhood and Adolescence. Second Edition. Random House, New York. Manohar Publication.*

Course Title: English Novels and Literature	L	T	P	Cr.
Course Code: BAT2157	2	0	0	2

Total Hours: 30

Learning Outcomes: After completion of this course, the learner will be able to:

1. Understand the socio-political drives behind the emergence and growth of novels in England.
2. Understand particular terminologies pertaining to prose writings.
3. Critically analyse and interpret the themes of loss, revenge, social class, supernatural, gender dynamics and the Gothic in selected text.
4. Critically analyse and interpret the themes of social status, intrapersonal and interpersonal relationships, self-awareness and interference in selected text.

Course Content

UNIT-I

08 Hours

History and Origin of Novels in Literature.

UNIT-II

08 Hours

Terms about Prose:

1. Novel 2. Short story 3. Plot and character 4. Protagonist 5. Gothic novel 6. The Epistolary novel 7. Conflict 8. Biography 9. The Historical novel 10. The Regional novel 11. Episode 12. Adventure novel 13. The Picaresque Novel

UNIT-III

07 Hours

Wuthering Heights: Emily Bronte

UNIT-IV

08 Hours

Emma - Jane Austen

Transaction Mode:

Brainstorming, Quiz, Group Discussion, Open Talk.

Suggested Readings:

- Watt, Ian. *The Rise of the Novel: Studies in Defoe, Richardson and Fielding*. University of California Press, 2001.
- Forster, E.M. *Aspects of the Novel*. Harvest Books, 1956.
- Abrams, M.H. *A Glossary of Literary Terms*. Cengage Learning India, 2015.
- Brontë, Emily. *Wuthering Heights*. Penguin Books, 2003.
- Austen, Jane. *Emma*. Penguin Books, 2008.

Course Title: Punjabi Sahit da Ithass -II	L	T	P	Cr.
Course Code: BAT2158	2	0	0	2

Total Hours: 30**Learning Outcomes:** ਇਸਕੋਰਸਨੂੰ ਪੂਰਾਕਰਨਉਪਰੰਤਵਿਦਿਆਰਥੀ:

- 1.ਜਾਗ੍ਰਤੀਕਾਲਦੇਸਾਹਿਤਬਾਰੇਜਾਣਕਾਰੀਹਾਸਲਕਰਨਗੇ।
- 2.ਆਧੁਨਿਕਪੰਜਾਬੀਕਾਵਿਅਤੇਗਲਪਬਾਰੇਜਾਣੂਹੋਣਗੇ।
- 3.ਆਧੁਨਿਕਪੰਜਾਬੀਨਾਟਕਅਤੇਇਕਾਂਗੀਪ੍ਰਤੀਸ਼ੁਝਬੁਝਵਿੱਚਵਾਧਾਹੋਵੇਗਾ।
- 4.ਪੰਜਾਬੀਗਲਪਨੂੰਸਮਝਣਦੀਸ਼ੁਝਪੈਦਾਹੋਵੇਗੀ।

ਭਾਗ-ੳ**08 Hours**

ਜਾਗ੍ਰਤੀਕਾਲਦਾਸਾਹਿਤ(1851ਈ-1900ਈ) ਆਧੁਨਿਕਪੰਜਾਬੀਸਾਹਿਤ:ਸਿਧਾਂਤਕ, ਇਤਿਹਾਸਕਪਰਿਪੇਖ, ਪ੍ਰਮੁੱਖਸਾਹਿਤਕਪ੍ਰਵਿਰਤੀਆ

ਭਾਗ-ਅ**08 Hours**

ਆਧੁਨਿਕਪੰਜਾਬੀਸਾਹਿਤ (1901ਈ:-1999ਈ:) ਆਧੁਨਿਕਪੰਜਾਬੀਕਾਵਿ: ਨਿਕਾਸਅਤੇਵਿਕਾਸ, ਆਧੁਨਿਕਪੰਜਾਬੀਗਲਪ: ਨਿਕਾਸਅਤੇਵਿਕਾਸ

ਭਾਗ-ੲ**08 Hours**ਆਧੁਨਿਕਪੰਜਾਬੀਸਾਹਿਤ (1901ਈ:-1999ਈ:) ਆਧੁਨਿਕਪੰਜਾਬੀਨਾਟਕਅਤੇਇਕਾਂਗੀ: ਨਿਕਾਸਅਤੇਵਿਕਾਸ
ਆਧੁਨਿਕਪੰਜਾਬੀਵਾਰਤਕ: ਨਿਕਾਸਅਤੇਵਿਕਾਸ**ਭਾਗ-ਸ****06 Hours**

ਸਮਕਾਲੀਪੰਜਾਬੀਸਾਹਿਤ (2000ਈ: ਤੋਂਹੁਣਤੱਕ)

Transaction Mode:

Lecture, Seminar, e-Team Teaching, e-Tutoring, Dialogue, Peer Group Discussion, Self-Learning, Collaborative Learning

ਪੁਸਤਕਸੂਚੀ:

- 1.ਇੱਕੀਵੀਂਸਦੀਦਾਪੰਜਾਬੀਕਾਵਿ, ਇੱਕੀਵੀਂਸਦੀਦਾਪੰਜਾਬੀਗਲਪ
- 2.ਪੰਜਾਬੀਸਾਹਿਤਦਾਇਤਿਹਾਸ,(ਆਦਿਕਾਲਤੋਂ 1700ਈ: ਤੱਕ) ਪਬਲੀਕੇਸ਼ਨਜ਼ਬਿਊਰੋ, ਪੰਜਾਬੀਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ, 2003
- 3.ਰਤਨਸਿੰਘਜੱਗੀ, ਪੰਜਾਬੀਸਾਹਿਤਦਾਇਤਿਹਾਸ (ਭਾਗਦੂਜਾ) 1700ਈ:-1900ਈ:) ਪਬਲੀਕੇਸ਼ਨਜ਼ਬਿਊਰੋ, ਪੰਜਾਬੀਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ, 2018
- 4.ਕਿਰਪਾਲਸਿੰਘਕਮੇਲਅਤੇਪਰਮਜੀਤਸਿੰਘ, ਪੰਜਾਬੀਸਾਹਿਤਦੀਉਤਪਤੀਤੇਵਿਕਾਸ, ਲਾਹੌਰਬੁੱਕਸ਼ਾਪ, ਲੁਧਿਆਣਾ 2019
- 5.ਸਿੰਗਲ, ਧਰਮਪਾਲਅਤੇਅਮਰਕੋਮਲ, ਪੰਜਾਬੀਸਾਹਿਤਦਾਇਤਿਹਾਸ, ਲੋਕਗੀਤਪ੍ਰਕਾਸ਼ਨ, ਚੰਡੀਗੜ੍ਹ 2015
- 6.ਜਸਬੀਰਸਿੰਘ, ਪੰਜਾਬੀਸਾਹਿਤਦਾਇਤਿਹਾਸ (ਆਦਿਕਾਲਅਤੇਭਗਤੀ), ਗੁਰੂਨਾਨਕਦੇਵਯੂਨੀਵਰਸਿਟੀ, ਅੰਮ੍ਰਿਤਸਰ 1981

Course Title: Hindi Vyakaran-Hindi Literature (हिंदी व्याकरण)	L	T	P	Cr.
Course Code: BAT2159	2	0	0	2

Total Hours: 30**Course Learning Outcomes:** After completion of this course, the learner will be able to:

1. छात्र हिंदी भाषा की संरचना चित होंगे।
2. छात्रों को क्रिया की अन्वयशक्ति एवं प्रक्रिया का ज्ञान होगा।
3. छात्र वाक्य के प्रकार एवं शक्ति से परिचित होंगे इसके साथ-साथ अभिव्यक्ति के महत्व से परिचित होंगे।
4. छात्र अव्यय के स्वरूप, पर्यायवाची शब्द, लोकोक्ति श्रुति समभिन्नार्थ शब्द, मुहावरे एवं भावाभिव्यक्ति में भाषा की भंगिमा के महत्व से परिचित होंगे।

Course Content**भाग (क)****10 hours**

संज्ञा : परिभाषा, भेद एवं स्वरूप विश्लेषण
 सर्वनाम : परिभाषा, भेद एवं स्वरूप विश्लेषण
 लिंग, वचन, शुद्ध-अशुद्ध, अनेक के लिए एक शब्द आदि
 अपठित गद्यांश-प्रश्नोत्तर

भाग (ख)**08 hours**

कारक एवं काल विवेचन
 संस्कृत एवं हिंदी में कारक का स्वरूप
 हिंदी में कारक का विकास
 पत्र लेखन – निजी, कार्यालयी

भाग (ग)**06 hours**

वाक्य अर्थ, परिभाषा, प्रकार एवं विश्लेषण
 अपठित पद्यांश-प्रश्नोत्तर

भाग (घ)**06 hours**

अवयव : अर्थ, प्रकार, विश्लेषण, पर्यायवाची, विपरीतार्थ शब्द, श्रुति समभिन्नार्थ शब्द, मुहावरे, लोकोक्ति आदि, निबंध लेखन.

Transaction Mode

व्याख्यान, संगोष्ठी, ई-टीम शिक्षण, ई-ट्यूटोरिंग, संवाद, सहकर्मियों समूह चर्चा, मोबाइल शिक्षण, स्व-शिक्षा, सहयोगात्मक शिक्षा और सहकारी शिक्षण।

अध्ययन के लिए सहायक पुस्तक सूची

- अग्रवाल मिनाक्षी : हिंदी व्याकरण, आक्सफोर्ड प्रेस, इंडिया, 2009.
- सहाय चतुर्भुज : पद विज्ञान, कुमार प्रकाशन, आगरा, 2004.
- त्रिपाठी रामदेव : हिंदी भाषा शासन, बिहार हिंदी ग्रन्थ अकादमी, पटना, 1986.
- शिवनाथ : हिंदी कारकों का विकास, नागरी प्रचारिणी सभा, काशी, 1978.
- सहाय चतुर्भुज : हिंदी का वाक्य विज्ञान, भाग एक, भाग दो, वाणी प्रकाशन : नई दिल्ली 2019, 2022

Course Title: Calculus and Differential Equations	L	T	P	Cr.
Course Code: BAT2160	2	0	0	2

Total Hours: 30

Learning Outcomes: After completion of this course, the learner will be able to:

1. Recognize and determine infinite limits and limits at infinity and interpret with respect to asymptotic behavior.
2. Determine the existence of, estimate numerically and graphically, and find algebraically the limits of functions.
3. Familiarize with various methods of solving differential equations of first and second order and to have qualitative applications
4. Solve various working rule for finding solution of linear differential equations with constant coefficients, homogeneous linear equations or Cauchy-Euler equations, linear differential equations of second order with variable coefficients, initial and boundary value problems etc. and model problems in nature using ordinary differential equations.

Course Content

UNIT-I

08 Hours

Derivative of a function, the derivative as a function, derivatives of a polynomial and exponential function, the product and quotient rule, rate of change in social and natural science. Derivatives of Trigonometric, Logarithmic and hyperbolic functions. Successive differentiation, Asymptotes, Multiple points, Tests for concavity and convexity, points of inflexion, Tracing of curves in Cartesian, Curvature, radius of curvature, center of curvature.

UNIT-II

08 Hours

Integration as inverse process of differentiation Integration of a variety of functions by substitution, by partial fractions and by parts. Evaluation of simple integrals of trigonometric, exponential and Logarithmic function. Definite integrals as a limit of a sum, Fundamental Theorem of Calculus (without proof) Basic properties of definite integrals and evaluation of definite integrals. Double and Triple Integral.

UNIT-III

08 Hours

Introduction of Differential equations, Order and Degree of Differential Equations, Complete primitive (general solution, particular solution and singular solutions), Existence and

uniqueness of the solution $dy/dx = f(x,y)$. Differential equations of first order and first degree, Separation of variables, Homogeneous linear Equations, Exact Equations, Integrating Factor, Linear Equation, Equation of First order but not of first degree.

UNIT-IV

06 Hours

Linear differential equations with constant coefficients, Complementary function, Particular integral, Working rule for finding solution of linear differential equations with constant coefficients, Homogeneous linear equations or Cauchy-Euler equations. Simultaneous differential equations, Differential equations of the form $dx/P = dy/Q = dz/R$ where P, Q, R are functions of x, y, z. Exact differential equations,

Suggested Readings:

- Rudin, W., *Principles of Mathematical Analysis*, McGraw-Hill (2013).
- Malik, S.C. and Arora, S., *Mathematical Analysis*, Wiley Eastern (2010).
- Simmons G. F., *Introduction to Topology and Modern Analysis*, Tata McGraw Hill (2008).
- Jain, P. K., Ahmad Khalil, *Metric Spaces*, Alpha Science Publishers (2004).
- G.F. Simmons, (2002), *Differential Equations with Application and Historical Notes*, Tata – McGraw Hill.
- B. Rai, D.P. Choudhary & H. J. Freedman, (2002), *A Course of Ordinary Differential Equations*, Narosa.
- Ian N. Snedden, (2013), *Elements of Partial Differential Equations*, Dover Publication.
- L.E. Elsgolts, (1970), *Differential Equation and Calculus of variations*, University Press of the Pacific.
- M. D. Raisinghania, (2018), *Ordinary and Partial Differential Equations*, S Chand.
- J.B. Fraleigh, (2003), *A first course in Abstract Algebra*, Addison-wiley.
- Joseph A Gallian, *Contemporary Abstract Algebra*, Brooks/Cole Cengage Learning, 2016
- N. Herstein, (2006), *Topics in Algebra*, John Wiley & Sons.
- Thomas W Hungerford, (1990), *Abstract Algebra – An Introduction*, Saunders College Publishing.
- Suggested digital platform: NPTEL/SWAYAM/MOOCs.

Website/ Links/ Online portal/ICT:

- <https://www.britannica.com/science/calculus-mathematics>
- <https://www.khanacademy.org/math/calculus-1>

Course Title: Introduction to Musical terms and Techniques	L	T	P	Cr.
Course Code: BAT2161	1	0	0	1

Total Hours:15

Learning Outcomes: After completion of this course, the learner will be able to:

1. Studies about the compositional forms of Hindustani music.
2. Learn about the notation systems of Hindustani music.
3. Classification of Indian Musical Instruments.
4. Learn to right the practical composition according to the notation system.

Course Content

UNIT-I

5 Hours

Historical Development of music in following periods) Ramayan Period b) Mahabharat Period
Classification of Indian Musical Instruments. Definition of the following in the context of GurmatSangeet:Raag, Mahla,Rahao, Ank.

UNIT-II

4 Hours

Biographical sketches and contribution towards Indian Music of the following:
(a) Pt.VishnuDigamberPaluskar (b)Gujjar Ram Vasdev Ragi

UNIT-III

3 Hours

Biographical Sketches and Contribution of the Following: a) Pt. Jasraj b) Ustad Amir Khan
Elementary Knowledge of the following Ragas a) Darbari b) Bhairav

UNIT-IV

3 Hours

Importance of Sahayak Naad. Methods of formation of 72 Thaats of Dakhani Music system of Pandit Vyakant Mukhi. Detailed Description and notation of prescribed Ragas: a) Vrindavani Sarang b) Asawari

Transaction Mode:

Lecture, Demonstration, Discussion, Mobile Teaching, Self-Learning, Collaborative Learning, Composition method.

Suggested Readings:

- *Kaur. D. (2017). Sangeet Roop (Part-I) Pearl Books Private Ltd. Patiala. □ Sharma. M. (2014)Sangeet Manual H. G. Publications.*
- *Beachelor of Arts (BA24)*
- *Bhatkhande, Vishnu Narayan, Kramik Pustak Malika Sangeet Karyalya Hathras, 2017*
- *Jha Ramashraya, Abhinav Geetanjali, Sangeet Karyalaya, Hathras, 2020*
- *Kapila, Surinder, Sangeet Ratnavali, Punjabi University Patiala.1991*
- *Sharma, Ganesh Parshad, Raag Praveen, Kanishka Publication Delhi, 2020s*

Course Title: Study of Raga-I	L	T	P	Cr.
Course Code: BAT2162	0	0	2	1

Total Hours: 15

Course Learning Outcomes: After completion of this course, the learner will be able to:

1. Understand the basic Knowledge of Indian music.
2. Know about the practical composition according to the notation system.
3. Studies about the theoretical aspects of Ragas.
4. Know the importance of Taal and Laya in instrumental music.

UNIT-I**7 Hours**

Practical Performance of Raag: Khamaj, Bhopali.

Practical Performance of Singing: Anyone out of Shabad, Bhajan & amp; Gazal.

UNIT-II**8 Hours**

Ability to cite. Teentaal, Ektaal, Roopak, Teevra showing Khali-Tali with hand motion in Ekgun, Dugun, Layikaries.

Transaction Mode

Performance, Lecture, Peer Group Discussion, Self-Learning, YouTube

Suggested Readings

- *Bhatkhande, Vishnu Narayan, Kramik Pustak Malika Sangeet Karyalay, Hathras.*
- *Pataki, J.D. Aprachalit Raags (Part I to II), Anubhav Publication, Allahabad.*
- *Jha Ramashraya, Abhinav Geetanjali, Sangeet KaryalayayHathras.*
- *Kapila, Surinder, Sangeet Ratnavali, Punjabi University Patiala.*
- *Sharma, Ganesh Parshad, Raag Praveen, Kanishka Publication Delhi.*
- *Abhinav geetanjali Part I to V - Pt. Ram Ashray Jha, Sangeet Karyalya, Hathras*

Course Title: Fundamentals of Shabad Kirtan	L	T	P	Cr.
Course Code: BAT2163	1	0	0	1

Total Hours: 15

Course Learning Outcomes: On successful completion of this course, the students will be able to:

1. Learn basic study of Shabad Kirtan.
2. Forms of Music in Sikhism.
3. Learning about the Introduction of Gurmat Sangeet.
4. Basic Introduction of Music Instruments.

Course Content

UNIT-I

3 hours

Technical Terminology of Music: Sandhi Prakash Raag, ShudhRaag, ChhayalagRaag, Vaadi, Samvadi.

UNIT-II

4 hours

Technical Terminology of Gurmat Sangeet: Dhuni, Shan, Manglacharan, Pauri.

UNIT-III

5 hours

Contribution & Development of Gurmat Sangeet in period Guru Angad Dev ji.

UNIT-IV

3 hours

Contribution & Development of GurmatSangeet in period Guru Amar Das ji.

Transaction Mode: Lecture, Problem Solving, blended learning, Discussion & Demonstration

SuggestedReadings

- *Adi Granth Rag Kosh by Gurnam Singh, Pvitar Parmanik Parkashan, Patiala.*
- *Gurmat Sangeet by Dharam Parchar Committee, Central Yatim khana, Sri Amritsar sahib.*
- *Gurmat Sangeet Darpan by Prof. KartarSingh, SGPC, Amritsar.*

- *Gurmat Sangeet da Sangeet Vigyan by Dr. Varinder Kaur, Amarjit Sahit Parkashan, Patiala.*
- *Gurmat Sangeet Parampara by Prof. Manjeet Kaur, Twenty-first-century publications, Patiala, 2005.*
- *Gur Shabad Sangeet by Principal Sukhwant Singh, Gur Shabad Sangeet Akadmi, Jawaddi Taksal, Ludhiana.*
- *GurmatSangeet Terminology, by Dr. Gurnam Singh, Punjabi University, Patiala, 2012*

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Course Title: Technicalities of Instruments	L	T	P	Cr.
Course Code: BAT2164	2	0	2	1

Total Hours: 15

Course Learning Outcomes: On successful completion of this course, the students will be able to:

1. Understand Music Terminology
2. Learn History of Indian Music
3. Learn Ragas and Taals
4. Become familiar with the workings of instruments.

Course Content

UNIT-I

7 hours

Historical Development of Instrumental Music of the Modern Period. Study of Naad.

UNIT-II

8 hours

Elementary knowledge of Musical Terms: Matra, Vibhag, Sam, Tali, Khali, Avartan. Various bols of Mizrab, Jhala.

Transaction Mode: Lecture, Problem Solving, blended learning, Discussion & Demonstration

Suggested Readings

- *Adi Granth Rag Kosh by Gurnam Singh, Pvitar Parmanik Parkashan, Patiala.*
- *Gurmat Sangeet by Dharam Parchar Committee, Central Yatim khana, Sri Amritsar sahib.*
- *Gurmat Sangeet Darpan by Prof. Kartar Singh, SGPC, Amritsar.*
- *Gurmat Sangeet da Sangeet Vigyan by Dr. Varinder Kaur, Amarjit Sahit Parkashan, Patiala.*
- *Gurmat Sangeet Parampara by Prof. Manjeet Kaur, Twenty first century publications, Patiala, 2005.*
- *Gur Shabad Sangeet by Principal Sukhwant Singh, Gur Shabad Sangeet Akadmi, Jawaddi Taksal, Ludhiana.*

Course Title: Officiating and Coaching in Physical Education	L	T	P	Cr.
Course Code: BAT2165	1	0	0	1

Total: 15 Hours

Learning Outcomes: After completion of this course, the learner will be able to:

1. Demonstrate the correct officiating techniques.
2. Participate and collaborate in officiating scenarios and appropriate discussions.
3. Understand the concept of coaching and its contribution to maximize performance.
4. Officiate the games at national levels.

Course Content

UNIT-I

05 Hours

Introduction: -

Meaning, Importance, Principles of Officiating. Financial and Legal aspect of officiating. Quality and Qualifications of good official, Relationship of official and Players, duties of an official.

Personal preparation of official, preliminary preparation (Pre game, during game, after game time), improving the standard of officiating.

UNIT-II

05 Hours

Coaching: -

Definition, Purpose, Principles, need and importance of coaching; Principles of Training; Relationship between training and coaching. Characteristics of coach, Qualification and qualities of coach. Role of Coach as a leader, follower, friend, counselor. Method of, pride and determination Basic Principles and planning of training schedule, Analysis of individual and team performance. The use of Psychology in coaching.

UNIT-III

03 Hours

Requisites of a champion-

Ability, interest, fitness, pride and determination Basic Principles and planning of

training schedule, Analysis of individual and team performance. The use of Psychology in coaching.

UNIT-IV

02 Hour

Layout-

Track and Field, Football, Basketball, Volleyball, Hockey, Kho-Kho, Kabaddi, cricket, Handball, Softball, Netball, Throw ball, Badminton, table tennis, lawn tennis, ball-badminton, Swimming, Wrestling, Boxing, judo, Archery. Rule and Regulation: -Athletics, Football, Basketball, Volleyball, Hockey, Kho-Kho, Kabaddi, cricket, Handball, Softball, Netball, throw ball, Badminton, table tennis, lawn tennis, ball-badminton, Swimming, Wrestling, Boxing, judo, Archery, Weight lifting, Power lifting with score sheet and Awards.

Transaction Mode:

Lecture, Seminar, e-Team Teaching, e-Tutoring, Dialogue, Peer Group Discussion, Mobile Teaching, Self-Learning, Collaborative Learning and Cooperative Learning

Suggested Readings:

- *Bunn, J. W. (1972). Scientific principles of coaching. Englewood cliffs N. J. Prentice Hall.*
- *Dyson, G. H. (1963). The mechanics of athletics. University of London Press, London*
- *Singer, R. N. (1972). Coaching, athletic & psychology. New York. Brar. T. S. (2002). Officiating techniques in Track and Field. Bhargava Press, Gwalior.*

Course Title: Listening and Speaking Skills- English	L	T	P	Cr.
Course Code: BAT2167	2	0	0	2

Total Hours: 30

Learning Outcomes: After completion of this course, the learner will be able to:

1. Comprehend the concept of Listening and Speaking in English.
2. Explore the benefits and barriers of Effective Listening.
3. Acquaint with Speech sounds and Articulatory system
4. Differentiate between Formal and Informal Communication Course Content

Course Content

UNIT-I

7 Hours

Listening: (i) Concept (Active, Passive, Interpretive, Accent) Active Listening- an Effective Listening Skill Difference between hearing and listening

UNIT-II

7 Hours

Principles of Effective Listening, Purpose of Listening, Listening to Conversation (Formal and Informal), Benefits of Effective Listening, Barriers to Listening

UNIT-III

8 Hours

Speaking Skills- Introduction, principles of effective speaking (stress, intonation, assertion, exclamation, emphasis), International Phonetic Alphabet (IPA) Symbols, Spelling and Pronunciation

UNIT-IV

8 Hours

Public Speaking skill: (Preparation, vocal control, time management and handling questions) Intrapersonal and Interpersonal Communication: Group and mass communication, Network communication

Transaction Mode:

Brainstorming, Quiz, Group Discussion, Open Talk.

SUGGESTED READINGS:

- *Adair, John. Effective Communication. Pan Macmillan Ltd., 2003.*
- *Hasson, Gill. Brilliant Communication Skills. Pearson Education, 2012.*
- *Burley-Allen, Madelyn. Listening: The Forgotten Skill: A Self-Teaching Guide. John Wiley & Sons, 1995.*
- *Adler, Ronald B., et al. Understanding Human Communication. 13th ed., Oxford University Press, 2018.*
- *DeVito, Joseph A. The Interpersonal Communication Book. 15th ed., Pearson, 2018.*
- *The Essential Elements of Public Speaking. 6th ed., Pearson, 2018.*
- *Roach, Peter. English Phonetics and Phonology: A Practical Course. 4th ed., Cambridge University Press, 2009.*

Course Title: Listening and Speaking Skills- English (Lab)	L	T	P	Cr.
Course Code: BAT2168	0	0	2	1

Total Hours: 15**Course Content**

Listening Skills: Essentials of Good Speaking, Difference between features of Speaking and Writing Different activities to improve Speaking skills.

Speaking Skill: Reading aloud of dialogues, texts, poems, speeches focusing on intonation. Self-Introduction, Role plays on any two-situations. Telephonic Conversations.

Personality Development

Initiation Physical Appearance Audience Purpose

Interpersonal Skills • Appropriate

use of non-verbal skills in face-to-face communication [i.e., Viva-Voce, group interviews, GDs and seminars]

Presenting at GD Seminars and Conferences.

- Leadership Quality
- Time Management: Achieving the target

Course Title: Sustainable Business Practices	L	T	P	Cr.
Course Code: BAT2169	3	0	0	3

Total Hours:30

Course Learning Outcomes: After completion of this course, the learner will be able to:

1. Analyze the relationship between business, environment, and human development, along with global sustainable business models.
2. Examine key concepts like natural capital, public goods, environmental externalities, and their impact on trade, industry, jobs, and consumption.
3. Develop policies and strategies for sustainable business management, stakeholder engagement, and regulatory compliance.
4. Understand international policies, global development frameworks, and their influence on sustainable business practices.

Course Content

UNIT I

08 Hours

Sustainable Business Management, Business, Environmental and Human Development, Rationale and Benefits of Sustainable Business, Global Business Models

UNIT II

08 Hours

Sustainable Business Concepts, Natural Capital and Public Goods, Environmental Externalities, Sustainable Business Trends, Trade, Industry, Jobs, Consumption

UNIT III

07 Hours

Planning, Policy and Sustainable Governance, Sustainable Business Strategies, Key Sectors, Policy Assessment, Stakeholders Engagement, Policy and Regulatory Tools

UNIT IV

07 Hours

International Policies, International Policy Developments, Global Development Framework

Transaction Mode

Group discussion, Experiential learning, Brainstorming, Active participation, Flipped teaching

Suggested Readings:

- *John Elkington – Cannibals with Forks: The Triple Bottom Line of 21st Century Business*
- *Andrew Savitz – The Triple Bottom Line: How Today's Best-Run Companies Are Achieving Economic, Social, and Environmental Success*
- *Edward Barbier – A Global Green New Deal: Rethinking the Economic Recovery*
- *Herman E. Daly – Beyond Growth: The Economics of Sustainable Development*
- *Stefan Schaltegger, Roger Burritt & Holger Petersen – An Introduction to Corporate Environmental Management: Striving for Sustainability*
- *Paul Hawken, Amory Lovins & L. Hunter Lovins – Natural Capitalism: Creating the Next Industrial Revolution*
- *Wayne Visser – The Age of Responsibility: CSR 2.0 and the New DNA of Business*
- *Ashford, N. A. & Hall, R. P. Technology, globalisation, and sustainable development: transforming the industrial state. (Routledge, 2019).*
- *Jeanrenaud, S., Jeanrenaud, J.-P. & Gosling, J. Sustainable business: a one planet approach. (Wiley & Sons in 2017)*
- *Molthan-Hill, P. The Business Students' Guide to Sustainable Management: Principles and Practice. (Greenleaf, 2014).*

Course Title: Constitutional Law-II	T	P	Cr.
Course Code: BAT2170	0	0	3

Total Hours: 30

Course Learning Outcomes: After completion of this course, the learner will be able to:

1. Interpret the relationship between Union and State Governments.
2. Develop an analytical approach about different judgments of Hon'ble Supreme Court and High Courts.
3. Construct the provisions relating to trade, commerce and Intercourse.
4. Grasp the constitutional principles that underline election law, including issues related to equal protection, free speech, and the role of the states in regulating elections.

Course Content

UNIT I

08 Hours

Union executive (Art. 52-78)

State Executive (Art. 153- 167)

UNIT II

08 Hours

Union Legislature (Art.79-122) State Legislature (Art. 168-212)

Legislative Relations between Union and States (Art. 245-255)

UNIT III

07 Hours

Union Judiciary (Art. 124-151) State Judiciary (Art. 214-237)

Emergency Provisions (Art. 352-360)

UNIT IV

07 Hours

Election Commission: Constitution, Powers and Functions (Art. 324-329A)

Services under the Union and the States including Public Service Commission (Art. 308-323)

Amendments of the Constitution including the Doctrine of Basic Structure (Art. 368)

Article 370 and its abrogation

Suggested Readings:

BARE ACT: Constitution of India, 1949

- *Dr. Jain M.P. 6th Edition, "Indian Constitutional Law", Lexis Nexis.*
- *Shukla V.N. 12th Edition "Constitution of India", Eastern Book Company.*
- *Kumar Narinder "Constitution law of India "Allahabad Law Agency 9th Edition, Faridabad.*

Web Sources

- [https://knowindia.india.gov.in/profile/theunion/legislature.p hp](https://knowindia.india.gov.in/profile/theunion/legislature.php)
- <https://byjus.com/free-ias-prep/the-state-legislature/>
- <https://blog.ipleaders.in/the-administrative-relationshipamong-union-states-and- local-bodies/>
- <https://www.legalservicesindia.com/article/2000/Liability - of - State -In- Contract- And-In- Torts.html#:~:text=Article%20298%20provides%20that%20th e,of%20contracts%20f or%20any%20purpose.>

Course Title: Landscaping	T	P	Cr.
Course Code: BAT2171	0	0	3

Total Hours: 30

Course Outcomes:

1. To Explain the importance and principles of landscaping.
2. To Demonstrate knowledge in selection, propagation, and planting schemes.
3. To Demonstrate knowledge in Lawn and Bonsai.
4. Students will gain knowledge in landscape planning and Bio-aesthetic.

Unit 1**08 Hours**

Importance and scope of landscaping. Principles of landscaping, garden styles and types. Importance, design and establishment to garden features/components viz. hedge, edge, borders, flower beds, bridges, paths, fences, garden walls, gates, carpet bed, arbour, sunken garden, roof garden, terrace garden, rockery and avenue planting.

Unit 2**06 Hours**

Trees: selection, propagation, planting schemes, canopy management, shrubs and herbaceous perennials: selection, propagation, planting schemes, architecture.

Unit 3**08 Hours**

Climber and creepers: importance, selection, propagation, planting, Annuals: selection, propagation, planting scheme. Other garden plants: palms, ferns, grasses and cacti/succulents. Pot plants: selection, arrangement, management.

Unit 4**08 Hours**

Lawn, establishment and maintenance. Bio-aesthetic planning: definition, need, planning. Landscaping of Educational Institutes, Public Places, and playgrounds. Bonsai: principles and management.

Suggested Readings:

- 1 Bose, T.K., Maiti, R.G, Dhua, R.S. and Das, P. 2002. *Floriculture and Landscaping, Vol.1. Naya Udyog Publication, Kolkata. pp 508.*
- 2 Singh, A.K. and Sisodia, A. 2017. *Textbook of Floriculture and Landscaping. NIPA. pp 446.*
- 3 Singh, R. and Singh, B. K. 2020. *Introductory Ornamental Horticulture and Landscape gardening. Daya Publication. pp 229.*

Course Title: Human Values and Professional Ethics	L	T	P	Cr.
Course Code: VAC0002	2	0	0	2

Total Hours: 30

Learning Outcomes: After completion of this course, the learner will be able to:

1. Understand the essence of Indian ethos, cultural values and ethical principles derived from scriptures, integrating self-exploration with scientific inquiry.
2. Analyze human values, self-awareness and ethical decision-making by distinguishing between perspectives, ideologies and universal moral principles.
3. Evaluate constitutional values, global responsibilities and the role of ethics in citizenship while promoting inclusivity and social welfare.
4. Develop essential life skills, stress management techniques and holistic well-being through mindfulness, self-discipline and personality development.

Course Content

UNIT-I Introduction to Indian Ethos

7 Hours

Meaning of ethos and cultural essence of India, Scriptures as the base of the Indian Knowledge System (IKS), Integrating the two methodologies: interiorization process for self-exploration and exterior scientific pursuit for the prosperity of world, The Law of Karma and Nishkama Karma (The Law of action and selfless action), Practical: Five Hours of Yoga practice per week, Ethics through Music and Indian Poetry, Community Engagement

UNIT-II Human Values and Ethics

8 Hours

Knowing the Self and the universal values that we stand for. This is self-enquiry & self-discovery, Background conversations and deep listening, recognizing the assumptions that we make, the biases we have and the implications for ethical action. Self-identity: distinguishing and embracing oneself (and others) four profiles (inner potential, social, professional, personality), Distinguish ideology, perspectives beliefs from embodying values. Practical: Self discovery, self enquiry and Mindfulness, Yama & Niyama of Ashthang Yoga

UNIT-III Constitutional Values, Global Responsibility

7 Hours

Values embedded in the Preamble of the Indian Constitution, Integration of Human

Rights and duties. Principles and responsibilities: as citizens of India, towards the global environment, Loksangraha and VasudhaivaKutumbakam, Conscious Full Spectrum Response model. Distinguishing judgement from discernment, Practical: Development of concentration among students through music, fine arts, mathematics, sports, yoga, and mindfulness

UNIT-IV Integrated Personality and Well-being

8 Hours

The three gunas (qualities of sattva-purity and harmony, rajas —activity and passion, tamas -darkness and chaos), the four antah-karanas (inner instruments) and panchkosha (five sheaths), Stress management, Oneness, non-duality and equanimity, Physical, mental, social and spiritual well-being. Practical: Talks on the importance of the Ayurvedic concept of well-being and nutrition, sports activities.

Reference Books:

- Mahadevan, B., Bhat, V.R. and Nagendra, P.R.N. 2022. *Introduction to Indian Knowledge System*. Delhi: PHI.
- *Human Values and Professional Ethics* by R R Gaur, R Sangal, G P Bagaria, ExcelBooks, New Delhi, 2010.
- Kashyap, Subhash C. 2019. *Constitution of India. A handbook for students*. NewDelhi: National Book Trust.
- Dr. Awadesh Pradhan, *MahamanakeVichara*". (B.H.U., Vanarasi 2007)
- Harold Koontz & Heinz Weihrich, *Essentials of Management*, Tata McGraw Hill.
- Lama, D. 2012. *Beyond Religion: Ethics for a Whole World*. India: Harper Collins.
- *Shrimad Bhagavad-Gita (Part of the Mahabharata)*. 1994. Gorakhpur: Gita Press.
- Swami Harshananda. 2000. *The Birds' Eye View of the Vedas*. Bangalore:Ramakrishna Math.
- Blanchard, Kenneth and Peale, Norman Vincent. 1988. *The Power of EthicalManagement*. New York: William Morrow and Company, Inc.
- Gandhi, Mohandas Karamchand. 1971. *Pathway to God* compiled by MS
- Deshpande. Ahmedabad: NavajivanMudranalaya, Navjivan Trust.
- Gardner, H. 2006. *Five Minds for the Future*. Boston: Harvard Business School Press.
- Rodriguez, S. and Juvva, S. 2018. *Embodying Universal Values and Ethical Leadership in Higher Education: Creating Change Agents for Social Transformation*. In B. Chatterjee, A. Banerji and P. Arya (Eds.). *Resolution to Resolve: SustainabilityPractices in Industry and Education*. New Delhi: Bloomsbury [ISBN: 978-938-74-7168-9]

Web Sources:

- <https://www.holy-bhagavad-gita.org/>.
- <https://iksindia.org/>.

- NPTEL Course: *Exploring Human Values: Visions of Happiness and Perfect Society*.
- <https://ebooks.inflibnet.ac.in/hrmp01/>

Course Title: Punjabi Kahani ate Ikangi	L	T	P	Cr.
Course Code: BAT2172	2	0	0	2

Total Hours: 30**Learning Outcomes:** ਇਹ ਕੋਰਸ ਨੂੰ ਪੂਰਾ ਕਰਨ ਉਪਰੰਤ ਵਿਦਿਆਰਥੀ:

ਪੰਜਾਬੀ ਕਹਾਣੀ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।
ਸ਼ਬਦ ਬਣਤਰ ਅਤੇ ਸ਼ਬਦ ਰਚਨਾ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਨਗੇ।
ਇਕਾਂਗੀ ਦੇ ਲੇਖਕਾਂ ਅਤੇ ਰਚਨਾਵਾਂ ਤੋਂ ਜਾਣੂ ਹੋਣਗੇ।
ਮੱਧਕਾਲੀ ਸਾਹਿਤ ਦੇ ਕਾਵਿ ਰੂਪਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਨਗੇ।

ਭਾਗ-ੳ**6 Hours**

ਦੇਰੰਗ (ਕਹਾਣੀਭਾਗ) (ਸੰਪਾਹਰ ਜਿੰਦਰ ਸਿੰਘ ਛਿੱਲੇ ਅਤੇ ਪ੍ਰੀਤਮ ਸਿੰਘ ਸਰਗੋਧਰੀਆ), ਗੁਰੂਨਾਨਕ ਦੇਵ ਯੂਨੀਵਰਸਿਟੀ, ਅੰਮ੍ਰਿਤਸਰ

ਭਾਗ-ਅ**8 Hours**

ਸ਼ਬਦ ਬਣਤਰ ਅਤੇ ਸ਼ਬਦ ਰਚਨਾ: ਪਰਿਭਾਸ਼ਾ, ਮੁਢਲੇ ਸੰਕਲਪ, ਸ਼ਬਦ ਸ਼੍ਰੇਣੀਆਂ: ਨਾਂਵ, ਪੜਨਾਂਵ, ਕਿਰਿਆ, ਵਿਸ਼ੇਸ਼ਣ, ਸਬੰਧਕ, ਯੋਜਕ, ਵਿਸਮਿਕ

ਭਾਗ-ੲ**8 Hours**

ਇਕਾਂਗੀ ਯਾਤਰਾ (ਇਕਾਂਗੀ ਸੰਗ੍ਰਹਿ), ਸੰਪਾਦਕ ਡਾ. ਘਬੀਰ ਸਿੰਘ ਤੇ ਡਾ. ਸਤੀਸ਼ ਕੁਮਾਰ ਵਰਮਾ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ

ਭਾਗ-ਸ**8 Hours**

ਮੱਧਕਾਲੀ ਸਾਹਿਤ ਦੇ ਰੂਪ (ਕਾਵਿ ਰੂਪ): ਸ਼ਬਦ, ਸਲੋਕ, ਬਾਰਾਂਮਾਹ, ਅਲਾਹੁਣੀਆਂ, ਛੰਦ, ਕੀਰਨੇ

Transaction Mode:

Lecture, Seminar, e-Team Teaching, e-Tutoring, Dialogue, Peer Group Discussion, Self-Learning, Collaborative Learning.

ਪੁਸਤਕਸੂਚੀ:

- ਬਲਦੇਵ ਸਿੰਘ ਧਾਲੀਵਾਲ, ਪੰਜਾਬੀ ਕਹਾਣੀ ਦਾ ਇਤਿਹਾਸ, ਪੰਜਾਬੀ ਅਕਾਦਮੀ, ਦਿੱਲੀ।
- ਬੂਟਾ ਸਿੰਘ ਬਰਾੜ, ਪੰਜਾਬੀ ਵਿਆਕਰਨ: ਸਿਧਾਂਤ ਤੇ ਵਿਹਾਰ, ਚੇਤਨਾ ਪ੍ਰਕਾਸ਼ਨ, ਲੁਧਿਆਣਾ।
- ਸੁਖਵਿੰਦਰ ਸਿੰਘ ਸੰਘਾ, ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਵਿਗਿਆਨ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਕਾਦਮੀ, ਜਲੰਧਰ।
- ਗੁਰਦਿਆਲ ਸਿੰਘ ਫੁੱਲ, ਪੰਜਾਬੀ ਇਕਾਂਗੀ : ਸਰੂਪ, ਸਿਧਾਂਤ ਤੇ ਵਿਕਾਸ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।
- ਜੋਗਿੰਦਰ ਸਿੰਘ ਪੁਆਰਾ ਅਤੇ ਹੋਰ, ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਵਿਆਕਰਨ, ਭਾਗ ਪਹਿਲਾ, ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਕਾਦਮੀ, ਜਲੰਧਰ।

Course Title: Hindi (हिंदीगद्य: उद्भवऔरविकास)	L	T	P	Cr.
Course Code: BAT2173	2	0	0	2

Total Hours: 30

Course Learning Outcome: छात्रोंकोयहज्ञानप्राप्तहोकिहिंदीगद्यकाप्रारंभकब, कैसेऔरकिनलेखकोंद्वाराहुआ।

हिंदीगद्यकेविकासमेंधार्मिक, सामाजिक, राजनीतिकऔरसांस्कृतिकआंदोलनोंकीभूमिकाकोस्पष्टकरना।

भारतेन्दुहरिश्चन्द्र, प्रेमचंद, महावीरप्रसादद्विवेदी, अज्ञेय, हरिशंकरपरसाईंआदिलेखकोंकेयोगदानकोसमझना।

समकालीनहिंदीगद्यमेंब्लॉग, वेबसाहित्यऔरडिजिटललेखनकीभूमिकाकोपहचानना।

Course Content

इकाई-1: प्रेमचंद (नमककादरोगा), प्रसाद (पुरस्कार), मोहनराकेश **08 Hours**

(मलबेकामालिक) मन्नूभंडारी (मैंहारगई)

इकाई-2 : बालकृष्णभट्ट (साहित्यजन-समूहकेहृदयकाविकासहै), **08 Hours**

आचार्यरामचंद्रशुक्ल (उत्साह) हजारीप्रसाद

इकाई-3: वेदी (नाखूनक्योंबढ़तेहैं), विद्यानिवासमिश्र **07 Hours**

(मेरेरामकामुकुटभीगरहाहै)

इकाई-4: भारतेन्दुहरिश्चंद्र (अंधेरनगरी) महादेवीवर्मा (घीसा) **07 Hours**

हरिशंकरपरसाईं (भोलारामकाजीव) सहायकग्रंथ :

Suggested Books

- हिंदीकागद्यसाहित्यरामचंद्रतिवार
- हिंदीसाहित्यकादूसराइतिहासबच्चनसिंह
- निबंधोंकीदुनियाविजयदेवनारायणसाही; निर्मलाजैन/हरिमोहनशर्मा
- छायावादोत्तरहिंदीगद्यसाहित्यविश्वनाथप्रसादतिवारी
- हिंदीरेखाचित्रहरवंशलालशर्मा
- निबंधोंकीदुनियाशिवपूजनसहाय:निर्मलाजैन/अनिलराय

Course Title: English Language and Literature	L	T	P	Cr.
Course Code: BAT2174	2	0	0	2

Total Hours: 30

Course Learning Outcomes: After completion of this course, the learner will be able to:

1. Critically analyse and interpret them in terms of identity, freedom, perception, social class and familial relations through a literary perspective.
2. Thematically analyse and appreciate these of nostalgia, nature, contemplation, ageing, and the impact of war from a literary perspective.
3. Improve grammatical and syntactical proficiency.
5. Expand written communication and expression through drafting letters, applications, essays and reports.

Course Content

UNIT-I

08 hours

- Prose Parables (Orient Blackswan, 2013)-The following stories from the above volume are prescribed:
- GreenParrotsinaCage
- My Brother, My Brother Norah Burke
- Dusk

UNIT-II

08 hours

The Poetic Palette (Orient Blackswan, 2013). The following poems from this anthology are prescribed:

- Stopping by the Woods on a Snowy Evening: Robert Frost
- Is it and Look Out: Walt Whitman
- The Old Woman: Arun Kolatkar

UNIT-III**07 hours**

Charles Lamb: Dream Children- A Reverie

UNIT-IV**07 hours**

- Essay writing

Transaction Mode: Brainstorming, Quiz, Group Discussion, Open Talk.**Suggested Readings:**

- Best, Wilfred D. *The Student's Companion*. Pearson Education, 1983.
- Eastwood, John. *Oxford Practice Grammar*. OUP, 2004.
- Board of Editors. *The Poetic Palette*. Orient Blackswan, 2013.
- Board of Editors. *Prose Parables*. Orient Blackswan, 2013.
- Lamb, Charles. "Dream children: A reverie." 1823. Quotidiana. Ed. Patrick Madden. 9 Sep 2006. 25 Jul 2025
<http://essays.quotidiana.org/lamb/dream_children_a_reverie/>.

Semester III

Course Title: History of Modern India	L	T	P	Cr.
Course Code: BAT3200	4	0	0	4

Total Hours: 60**Learning Outcomes:** After completion of this course, the learner will be able to:

1. Analyse the circumstances of downfall of Mughal Dynasty and the beginning of British Rule in India
2. Understand the causes of 1857 uprising and the formation of several socio-political movements during the British period.
3. Evaluate the various policies of the British Govt. in relation with the agrarian system of India.
4. Discuss the various political movements started by Gandhi and other freedom fighters of India.

Course Content**UNIT-I****15 Hours**

Advent of European, Trading Companies, the Battle of Plessey and Buxar, causes and Consequences, and the administrative and social reforms of Lord Cornwallis, William Bentinck and Lord Dalhousie.

UNIT-II**15 Hours**

The uprising of 1857: Causes, results and reasons for its failure. Social-Cultural Movements: Brahmo Samaj, Satyashodhak Samaj, Arya Samaj, Singh Sabha Movement.

UNIT-III**15 Hours**

British Economic Policy in the Indian Agriculture System, Permanent System, Ryotwari System and Mahalwari System.

Formation of the Indian National Congress: its objectives, Moderates and Extremists.

UNIT-IV**15 Hours**

Emergence of Mahatma Gandhi: Concept of Satyagraha, Non-Cooperation Movement, Khilafat Movement, Civil-Disobedience Movement, and Quit India Movement, Independence and Partition of India.

Transaction Mode:

Lecture, Seminar, e-Team Teaching, e-Tutoring, Dialogue, Peer Group Discussion, Self-

Learning, Collaborative Learning

Suggested Readings:**Text Books:**

Chandra, S. (2007). *History of Modern India*. Oxford University Press.

Sen, S. N. (2013). *A Textbook of Modern Indian History*. Ratna Sagar.

Habib, I. (2003). *Modern India: From the Mughals to the Present*. Aligarh Book Society.

Richards, J. F. (1993). *The Mughal Empire*. Cambridge University Press.

Sarkar, J. (1984). *History of Modern India*. Orient Longman.

Reference Books:

- *India After Gandhi: The History of the World's Largest Democracy (2008)* by Ramachandra Guha. Penguin Random House.
- *Freedom Struggle in India (Vol. 1-3) (2018)* by Sumit Sarkar. Oxford University Press.
- *A Concise History of Modern India (2002)* by Barbara Metcalf & Thomas Metcalf. Oxford University Press.
- *The Partition of India: Policies and Perspectives, 1935-1947 (2007)* by H. V. Lloyd. Cambridge University Press.
- *India's Wars: A Military History 1600-2000 (2004)* by John Keay. HarperCollins Publishers India.

Course Title: Indian Economy	L	T	P	Cr.
Course Code: BAT3201	4	0	0	4

Total Hours: 60

Learning Outcomes: After completion of this course, the learner will be able to:

1. Grow new ideas in the India neconomic structure by analyzingthe various potential areas of the economy.
2. Evaluate the problems prospects of cottage and small-scale industries, and Industrial sicknesses.
3. Illustrate the importance of agriculture and land reforms in Indian economy.
4. Analyze Planning Programmes of the Indian Economy.

Course Content

UNIT-I

15 Hours

Indian Economy: Structure of the Indian Economy: developing economy–features. Agriculture: Nature and importance of green revolution, Problems and prospects. Land Reforms: types and Objectives.

UNIT-II

15 Hours

Industry Sector: Industry Sector: Industrial

Development and policies since independence; Industrial licensing policy–MRTPAct, FERA and FEMA: Growth and problems of MSME. Role of public enterprises in India's industrial development. Concept of Skill India, Start-up and Make in India.

UNIT-III

15 Hours

External Sector: External Sector: Role of foreign trade: Composition and direction of India's foreign trade. Balance of payments and financial crisis 2008/covid 19. New economic reforms and foreign trade. FDI, Aid, Multinational corporations (MNCs) and their impact on the Indian Economy.

UNIT-IV

15 Hours

Indian Economic Problems: IndianEconomicProblems: Population size, growth and its features. Population policy in India. Current Challenges of Poverty in India: definition and estimate, poverty line. Inequality: income

and regional inequality; causes. Unemployment in India: measuring Unemployment, magnitude, causes & consequences–major employment programmes. Major Initiative: MNREGA.

TransactionMode:

Lecture, Problem Solving, blended learning, Discussion & Demonstration, and Case Studies.

Suggested Readings:

- *Dhar, P. K. (2019). India Economy, Kalyani Publishers, Ludhiana.*
- *Aggarwal, A. N.(2019). Indian Economy, Wiley Eastern Ltd.*
- *Datt, R & Sundram, (2024). Indian Economy. S Chand Publishing. New Delhi.*
- *Soni, R N.(1995). Leading Issues in Agricultural Economics. Sohan Lal NaginChand&Sons.Jalandhar.*
- *Ghosh, A. (2023). Bharti Arth Vivstha, Punjabi University, Patiala.*
- *Singh, C. G. (2023). Bharti Arth Shastar, Punjabi University, Patiala.*
- *Misra, S K &Puri, V K (2024). Indian Economy. Himalya Publishing House, Mumbai.*
- *Tandon, B. B & Tandon, K. K. (2020). Indian Economy, Tata McGraw Hills. Pub. Co., New Delhi.*

Course Title: Semitic Religion	L	T	P	Cr.
Course Code: BAT3202	4	0	0	4

Total Hours: 60

Learning Outcomes: After completion of this course, the learner will be able to:

1. Learn that in the study of Semitic Religion there are two tendencies toward error: the Western pragmatical and unsympathetic overtaxing of oriental Nature-symbols and vividly imaginative speech.
2. Learn that Semites used the figure of the rock in describing God, or Poetically conceived of the storm-cloud as Yahweh's chariot.
3. Learn how an imaginative child of Nature should speak of the unseen Spiritual Power, except in the richest analogies of Nature.
4. Know that the second error is the tendency to treat the accretions acquired by contact with other nations as of the essence of Semitic religion.

Course Content

Unit- I

9 Hours

ਯਹੂਦੀ ਧਰਮ

ਮੁੱਢਲੀ ਜਾਣ-ਪਛਾਣ।

ਪੈਰਾਬਰ ਮੁਸਾਸਾਹਿਬ ਦਾ ਜੀਵਨ ਤੇ ਦਰਸ਼ਨ।

ਪੁਰਾਣਾ ਨੇਮ (Old Testament), ਸੰਖੇਪ ਜਾਣਕਾਰੀ।

Unit- II

13 Hours

ਈਸਾਈ ਧਰਮ

ਈਸਾਈ ਧਰਮ ਦਾ ਆਰੰਭ ਅਤੇ ਵਿਕਾਸ

ਹਜ਼ਰਤ ਈਸਾ ਮਸੀਹ ਦੀ ਜੀਵਨ ਤੇ ਦਰਸ਼ਨ

ਨਵਾਂ ਨੇਮ (New Testament), ਸੰਖੇਪ ਜਾਣਕਾਰੀ

Unit- III

11 Hours

ਇਸਲਾਮ ਧਰਮ

ਇਸਲਾਮ ਧਰਮ ਦਾ ਆਰੰਭ ਅਤੇ ਵਿਕਾਸ

ਹਜ਼ਰਤ ਮੁਹੰਮਦ ਸਾਹਿਬ ਅਤੇ ਉਹਨਾਂ ਦਾ ਮਿਸ਼ਨ

ਪਵਿੱਤਰ ਕੁਰਾਨ ਦਾ ਇਸਲਾਮ ਧਰਮ ਵਿਚ ਸਥਾਨ

Unit- IV

12 Hours

ਪਾਰਸੀ ਧਰਮ

ਆਰੰਭ ਅਤੇ ਵਿਕਾਸ

ਜਰਤੁਸਤਜੀਦਾਜੀਵਨਤੇਸਿੱਖਿਆਵਾਂ।

ਜੰਦਅਵੇਸਤਾ (ZandAvesta):- ਸੰਖੇਪਜਾਣਕਾਰੀ।

ਟ੍ਰਾਂਜੈਕਸ਼ਨਮੋਡ: ਲੈਕਚਰ, ਸਮੱਸਿਆਹੱਲ, ਮਿਸ਼ਰਤਸਿਖਲਾਈ, ਚਰਚਾਅਤੇਪ੍ਰਦਰਸ਼ਨ, ਅਤੇਕੇਸਅਧਿਐਨ।

ਸਹਾਇਕਪੁਸਤਕਾਂ:-

- ਡਾ. ਹਰਬੰਸਸਿੰਘ, ਡਾ. ਐਮ. ਐਲਜੋਸੀਸੰਸਾਰਦੇਧਰਮ (ਪਬਲੀਕੇਸ਼ਨਬਿਉਰੋ, ਪੰਜਾਬੀਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ)
- ਕਰਤਾਰਚੰਦਭੱਟੀਈਸਾਈਧਰਮਇਕਜਾਣ-ਪਛਾਣ (ਪਬਲੀਕੇਸ਼ਨਬਿਉਰੋ, ਪੰਜਾਬੀਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ)
- (M. Ali Maulana)The Religion of Islam
- ਡਾ. ਐਮ. ਐਲਜੋਸੀ, ਵਿਸ਼ਵਧਰਮਸੰਗ੍ਰਹਿ :- ਪਬਲੀਕੇਸ਼ਨਬਿਉਰੋ, ਪੰਜਾਬੀਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ)
- fw. hrbMsisMG, fw. AYm. AYljosi, sMswrdyDrm (pblIkySnibauro, pMjwbIXUnIvrstI, pitAwlw)
- krqwrCMdB~tI, eIsweIDrmiekjwx- pCwx (pblIkySnibauro, pMjwbIXUnIvrstI, pitAwlw)
- fw. AYm. AYljosi, ivSvDrmsMgRih:-pblIkySnibauro, pMjwbIXUnIvrstI, pitAwlw)

Course Title: Development of Indian Constitution	L	T	P	Cr.
Course Code: BAT3203	4	0	0	4

Total Hours: 60

Learning Outcomes: After completion of this course, the learner will be able to:

1. Explain the historical and modern concept of political system
2. Illustrate the concept of citizenship
3. Compare the various Govt Act.
4. Construct the composition of Indian constitution and working of the Constituent Assembly.

Course Content

Unit I

14 hours

1. Historical Background of the Indian Constitution
2. Constituent Assembly Debates-on the Preamble, Fundamental Rights, Role of the State, and Distribution of Powers

Unit II

16 hours

3. Preamble and its Objective
4. Basic Features of India's Constitution
5. Indian Federalism: Features and Working

Unit III

14 hours

6. State Legislative: Compositions, Power & Position
7. Governor: Election, Powers, Position, and Evolving Role
8. Chief Minister: Appointment, Power and Functions

Unit IV

16 hours

9. Parliament: Composition, Powers, Position and Functions
10. President: Election, Powers, Position and Changing Role

Transaction Mode

Lecture, Group Discussion, Quiz, Open Talk, Self-study, Assignment

SUGGESTED READINGS

- *Assembly, Constituent. (1949) "Constitution of India." Ministry of Law and Justice, editor. New Delhi, India: Ministry of Law and Justice, India.*
- *Bose, Durgadas,(1955). Commentary on the Constitution of India... Vol. 1. SC Sarkar.*

- *Joshi, Gulabbhai Naranji (1975) the Constitution of India. Delhi: Macmillan Company of India, 1975.*
- *Ghosh, Pratap Kumar (1966) The Constitution of India: How it Has Been Framed PrabhatPrakashan.*
- *Assembly, Constituent (1949).Constitution of India." Ministry of Law and Justice, editor. New Delhi, India: Ministry of Law and Justice, India.*
- *Bose, Durgadas (1955). Commentary on the Constitution of India... Vol. 1. SC Sarkar.*
- *Joshi, Gulabbhai Naranji (1975) the Constitution of India. Delhi: Macmillan Company of India.*

Course Title: Indian Society	L	T	P	Cr.
Course Code: BAT3204	4	0	0	4

Total Hours: 60

Learning Outcomes: After completion of this course, the learner will be able to:

1. Analyze the historical development and cultural diversity of Indian society.
2. Evaluate the key features of Indian social structure, including the caste system and socio-economic stratification.
3. Demonstrate an understanding of the role of religion, ethnicity, language, and regional variations in shaping Indian society.

Course Content

UNIT-I: Introduction to Indian Society **15 Hours**

Understanding Indian Society: Historical development and cultural diversity. Key features and characteristics **Social Structure in India:** Caste system: Origins, dynamics, and contemporary relevance Class structure: Socio-economic stratification and mobility **Diversity and Plurality:** Religion and its role in shaping Indian Society Ethnicity, language, and regional variations

UNIT-II: Social Institutions and Dynamics **15 Hours**

Family and Kinship Systems: Traditional vs modern family structures Changing dynamics of marriage, kinship, and family roles **Education and Socialization:** Education system: Access, equity, and challenges Role of education in socialisation and societal development

UNIT-III: Social Change and Development **15 Hours**

Processes of Social Change: Modernisation vs. tradition: Dynamics of change Technological advancements and Their Societal Implications **Developmental Issues:** Poverty, Inequality, and social justice, Environmental sustainability and resource management

UNIT-IV: Issues in Contemporary Indian Society **15 Hours**

Crime, Violence, and Justice: Crime trends: Causes and consequences Criminal justice system: Reform and challenges Social Exclusion and Marginalisation Dalits, Tribals, and other marginalised communities:

Challenges and empowerment efforts

Suggested Readings:

- *The Argumentative Indian: Writing son Indian History, Culture and Identity" by Amartya Sen*"Caste in Indian Politics" by Rajni Kothari
- *India After Gandhi: The History of the World's Largest Democracy" by Ramachandra Guha*
- *The Social Structure of Indian Society" by Yogendra Singh*
- *Family, Kinship and Marriage in India" edited by Patricia Uberoi*
- *Education and Social Change in South Asia" edited by Jyotsna Jha and Krishna Kumar* Politics in India" by Rajni Kothari
- *The Oxford India Companion to Sociology and Social Anthropology, edited by Veena Das* Social Change in Modern India" by M.N. Srinivas
- *Development and Social Change: A Global Perspective" by Philip McMichael, "Migration and Urban Development "edited by S. Irudaya Rajan and K.C. Zacharia*

Course Title: Social Action Movement and Campaigns	L	T	P	Cr.
Course Code: BAT3205	4	0	0	4

Total Hours: 60

Course Learning Outcomes: On completion of this course, the students will be able to:

1. Analyse the historical and sociopolitical contexts that give rise to social action movements and campaigns.
2. Evaluate the strategies, tactics, and impact of various social action movements and campaigns.
3. Demonstrate an understanding of the ethical considerations and challenges in social action and advocacy work.
4. Apply theoretical frameworks and practical skills to design and implement effective social action initiatives.

Course Content

UNIT-I

15 hours

Understanding Social Action Movements:

Overview of social action movements: Definitions, characteristics, and significance.

Historical Perspectives: Key movements and their impact on social change.

Theories of social movements: Resource mobilisation theory, political process theory, and framing theory.

Case studies: Examples of successful and unsuccessful social action movements.

UNIT-II

15 hours

Ethical Considerations in Social Action:

Ethics and values in social work and activism. Ethical dilemmas in social action: Balancing means and ends. Cultural competence and sensitivity in

advocacy work. Human Rights and Social Justice Principles. Case studies: Ethical challenges in real-world social action campaigns.

UNIT-III

15 hours

Strategies and Tactics in Social Action:

Mobilisation and organisation of social action movements. Advocacy strategies: Lobbying, grassroots organising, and online activism. Nonviolent resistance and civil disobedience. Media and communication in social action campaigns. Measuring the effectiveness of social action: Metrics and evaluation.

UNIT-IV

15 hours

Designing and Implementing Social Action Initiatives:

Needs assessment and problem analysis. Developing a social action plan: Setting goals, objectives, and strategies. Building coalitions and partnerships. Advocacy in policy-making and legislative processes. Impact assessment and sustainability of social action initiatives.

Suggested Readings

- McCarthy, J.D., & Zald, M. N. (1977). *Resource Mobilisation and Social Movements: A Partial Theory*. *American Journal of Sociology*, 82(6), 1212-1241.
- Klandermans, B., & Staggenborg, S. (Eds.). (2002). *Methods of Social Movement Research*. University of Minnesota Press.
- Goodwin, J., Jasper, J. M., & Polletta, F. (Eds.). (2001). *Passionate Politics: Emotions and Social Movements*. University of Chicago Press.
- Smith, J., & Lipsky, M. (Eds.). (1993). *Nonprofits for Hire: The Welfare State in the Age of Contracting*. Harvard University Press.
- Ross, M.H. (2015). *The Role of Advocacy and Outreach in the Nonprofit Sector: Leveraging Public Policy for Organisational Success*. Routledge

Course Title: Child Development	L	T	P	Cr.
Course Code: BAT3206	4	0	0	4

Total Hours: 60**Course Learning Outcomes:**

1. Students will be able to differentiate between growth, development and maturity.
2. Learn about different principles of development.
3. Understand the factors influencing fetal development in uterus and child development after birth.
4. Learn significant theories of development.
5. Explore infant and child development stages and the factors influencing them.

Course Content**Unit – I:****15 Hours**

Introduction: Concepts of growth, development and maturation. Nature-nurture controversy, Principles of development.

Unit – II:**15 Hours**

Prenatal development: Genetic Foundation of development: Gene, Chromosome, and its linked abnormalities. Stages of prenatal development.

Unit – III**15 Hours**

Theories of Development: Freud, Erikson, Piaget and Vygotsky.

Unit – IV**15 Hours**

Infancy: Physical development. Motor development and language development. Childhood: Physical, Social, Personality, and Moral Development.

Transactional Mode

Seminars, Group discussion, Team teaching, Focused group discussion, Assignments, Project-based learning, Simulations, reflection and Self-assessment

Recommended Books:

- Hurlock, E. B. (2018). *Developmental Psychology: A Life-Span Approach* (5th Ed). Chennai: McGraw-Hill Education.
- Santrock, J. W. (2017). *Life-span development*. New Delhi: McGraw-Hill Education.

- Papalia, D. E., Olds, S.W. & Feldman, R.D. (2017). *Human development* (9th Ed.). New Delhi: McGraw-Hill.
- Feldman, R. & Babu, N. (2018). *Development Across the Life Span* (8th Ed.). New Delhi: Pearson.
- Berk, L. (2017). *Child Development* (9th Ed.). New Delhi: Pearson Education India.

Course Title: English Drama and Literature	L	T	P	Cr.
Course Code: BAT3207	2	0	0	2

Total Hours: 30

Learning Outcomes: After completion of this course, the learner will be able to:

1. Understand and compare technical and literary terms related to drama.
2. Chronologically understand trends and movements in English literature.
3. Critically analyse and interpret the form of morality, satire, poetic elegy, literary criticism, and social commentary in selected texts.
4. Critically analyse and interpret themes of power, madness, familial relationships, the varieties of loyalty and the consequences of betrayal in the selected text.

Course Content

UNIT-I

10 Hours

Important Concepts about Drama

The following terms will have to be studied: Definition and Essence

Dramas. Novel Drama and Theatre Dramatic Action Structure

Characterisation Dialogue Stage Directions Dramatic Conventions

Important Terms About Drama and Stage: Comic Relief Pathos Aside

Soliloquy

UNIT-II

07 Hours

History of English Literature from Chaucer to the Eighteenth Century & Important Trends and Movements in these periods:

Renaissance and Reformation Origin and Rise of Drama in English

Metaphysical Poetry Chief Characteristics of the Neo-Classical

Literature. Restoration Comedy

UNIT-III

07 Hours

Important Texts of Chaucer to the Eighteenth-Century period:

Lycidas MacFlecknoe

UNIT-IV

08 Hours

William Shakespeare: King Lear

Transaction Mode:

Brainstorming, Quiz, Group Discussion, Open Talk.

Suggested Readings:

- *Abrams, M.H. A Glossary of Literary Terms. Cengage Learning India, 2015.*
- *Twentieth Century Reader's Guide to Literary Terms. Oxford University Press, 1997.*
- *Important Texts of Chaucer to the Eighteenth Century. Orient Black Swan, 2003.*
- *Shakespeare, William. King Lear. Edited by Kenneth Muir, Oxford University Press, 2005.*

Course Title: Gurmat Kaav	L	T	P	Cr.
Course Code: BAT3208	2	0	0	2

Total Hours: 30**Learning Outcomes:** ਇਹ ਕੋਰਸ ਨੂੰ ਪੂਰਾ ਕਰਨ ਉਪਰੰਤ ਵਿਦਿਆਰਥੀ:

1. ਗੁਰਮਤਿਕਾਵਿਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਨਗੇ।
2. ਗੁਰੂਨਾਨਕ ਦੇਵ ਜੀ ਦੀ ਬਾਣੀ ਬਾਰੇ ਸਮਝਣਗੇ।
3. ਗੁਰੂਗ੍ਰੰਥ ਸਾਹਿਬ ਜੀ ਦੀ ਸਾਹਿਤਕ ਮਹੱਤਤਾ ਬਾਰੇ ਗਿਆਨ ਹਾਸਿਲ ਕਰਨਗੇ।
4. ਨੈਤਿਕ ਸਿੱਖਿਆ ਪ੍ਰਾਪਤ ਕਰਨਗੇ।

ਭਾਗ-ੳ**07 Hours**

ਗੁਰਮਤਿਕਾਵਿ ਅਰਥ ਵਿਚਾਰਧਾਰਾ
ਗੁਰਮਤਿਕਾਵਿ ਗੁਰੂਗ੍ਰੰਥ ਜੀ ਦੀ ਸੰਪਾਦਨ

ਭਾਗ-ਅ**07 Hours**

ਗੁਰੂਨਾਨਕ ਦੇਵ ਜੀ ਵਨ ਅਤੇ ਰਚਨਾ
ਆਸਾ ਦੀ ਵਾਰਾ ਸਮਾਜਿਕ ਤੇ ਦਾਰਸ਼ਨਿਕ

ਭਾਗ-ੲ**08 Hours**

ਗੁਰੂ ਅਰਜਨ ਦੇਵ ਜੀ ਵਨ ਅਤੇ ਰਚਨਾ
ਸੁਖਮਨੀ ਸਾਹਿਬ ਜੀ ਵਨ ਅਤੇ ਰਚਨਾ

ਭਾਗ-ਸ**08 Hours**

ਗੁਰੂ ਰਵਿਦਾਸ ਜੀ ਵਨ ਅਤੇ ਰਚਨਾ
ਭਗਤ ਰਵਿਦਾਸ ਬਾਣੀ ਦਾਰਸ਼ਨਿਕ ਪਰਿਪੇਖ, ਦਿੱਲੀ, 1997

ਪੁਸਤਕਸੂਚੀ:

- ਹਰਜਿੰਦਰ ਸਿੰਘ ਕੋਹਲੀ ਤੇ ਹਰਨਾਮ ਸਿੰਘ ਮਾਨ, ਗੁਰੂਨਾਨਕ ਜੀ ਵਨ ਸਮਾਂ ਤੇ ਰਚਨਾ, ਪੰਜਾਬ ਯੂਨੀਵਰਸਿਟੀ ਚੰਡੀਗੜ੍ਹ.
- ਡਾ. ਜਗਬੀਰ ਸਿੰਘ, ਗੁਰਬਾਣੀ ਵਿਸ਼ਵ ਵਿਦ੍ਰਸ਼ਟੀ ਤੇ ਵਿਚਾਰਧਾਰਾ, ਦਿੱਲੀ ਪਬਲੀਸ਼ਰਜ਼, 1997.
- ਡਾ. ਹਰਚਰਨ ਕੌਰ (ਸੰਪਾ.) ਮੱਧਕਾਲੀਨ ਪੰਜਾਬੀ ਸਾਹਿਤ ਪੁਨਰ ਵਿਚਾਰ, ਪੰਜਾਬੀ ਅਕਾਦਮੀ, ਦਿੱਲੀ, 1989
- ਬਾਣੀ ਸੰਵੇਦਨ, ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ, ਨਾਨਕ ਸਿੰਘ ਪੁਸਤਕ ਮਾਲਾ, ਅੰਮ੍ਰਿਤਸਰ।

Transaction Mode:

Lecture, Seminar, e-Team Teaching, e-Tutoring, Dialogue, Peer Group Discussion, Self-Learning, Collaborative Learning.

Course Title: Sahitya Sopan- Hindi Literature	L	T	P	Cr.
Course Code: BAT3209	2	0	0	2

Total Hours: 30**Learning Outcomes:** After completion of this course, the learner will be able to:

- छात्‍मल्लिकाव्यएवंप्रभल्लिआन्दोलनकेपररवेशसेपररहचतौनेकेसांि-
- सांिभल्लिकाव्यधाराकेरीहतकाव्यमेंरूपांिंतरणकेकारणोंिसेपररहचतौंिगे।
- छाहिंिंदीसाहित्यकेआधुनककालकीप्रवृहतयोिंसेपररहचतौंिगेऔरहिंिंदीकिानीकेहवकासकेप्रिम चरणसेपररहचतौंिगे।
- छात्‍आधुनकीकरण,आधुनकतावादएवंप्रेमचन्दतिप्रेमचन्दोत्तरकिहनयोिंसेपररहचतौंिगे।
- छात्‍ईकिानीआन्दोलनऔरइसदौरकीकिहनयोिंकीप्रवृहतयोिंसेपररहचतौंिगे।

Course Content**भाग(क)****08 Hours**

हिंिंदीसाहित्यकाइहतिास:भल्लिकालएवंप्ररीहतकाल-नामकरण,पररल्लिहतयाँ,प्रवृहतयाँ
रीहतसौरभ:(सम्पादक)डॉ.रामसजनपाण्डेय,पिंजाबीहवश्वहवद्यालयद्वाराप्रकाशित,केवलचारकहव:हबिरी, भूषण,
रसखान, गुरुगोहबिंदहसिंिजी

भाग(ख)**07 Hours**

हिंिंदीसाहित्यकाइहतिास:आधुनककालपररल्लिहतयाँ,प्रवृहतयाँ
हिंिंदीगद्यकाहवकास:किसाहित्य-ग्यारिवषमकासमय,उसनेकिांि,मुंिंडमाल,ताई

भाग(ग)**06 Hours**

आधुनकीकरणऔरआधुनकतावाद:किानीकानयादौरऔरप्रमुखकिहनयाँकफन,(प्रेमचन्द),
पुरस्कार(जयशंकरप्रसाद),साइकलकीसवारी(सुदशमन),ग्रेपीन(अज्ञेय)

भाग(घ)**08 Hours**

नईकिानीकादौरऔरउसकेप्रहतहनहध:सीमाऔरउपलल्लियांिं
सतीमैयाकाचौरा(भैरवप्रसादगुप्त),एकऔरहजन्दगी(मोिनराकेश),वांिगचू(भीष्मसांिनी),
कोिरा(कमलेश्वर)

Transaction Mode:

व्याख्यान,सिंगोष्ठी,ई-िीमहशक्षण,ई-ट्यूिरिंग,सिंवाद,सिकमीसमूिचचाम,मोबाइलहशक्षण, स्व-
हशक्षा,सियोगात्मकहशक्षाऔरसिकारीहशक्षण।

अध्ययनकेलिएसहायकपुस्तकसूची:

- शुक्ल, रामचन्द्र, हिंिंदीसाहित्यकाइहतिास, नागरीप्रचारणीसभा, काशी, 2010
- पाण्डेय, रामसजन(सम्पादक), रीहतसौरभ, पिंजाबीहवश्वहवद्यालय, पहियाला.
- राय, गोपाल, हिंिंदीकिानीकाइहतिास, राजकमलप्रकाशन, दररयागिंज: नईहदWी2008
- हवमल, गिंगाप्रसाद, आधुनकता: आधुनककेसिंदभममें, मकैहमलनकम्पनी, प्रांलदररयागिंज
- : नईहदWी, 1978.

- कमलश्वरः समग्रकिहनयाँ, राजपालएडसिंस, कश्मीरीगी, हदWी, 2016.

Course Title: Linear Algebra	L	T	P	Cr.
Course Code: BAT3210	2	0	0	2

Total Hours: 30**Learning Outcomes:** After completion of this course, the learner will be able to:

1. Compute with the characteristic polynomial, eigenvalues, eigenvectors, and eigenspaces, as well as the geometric and the algebraic multiplicities of an eigenvalue and apply the basic diagonalisation result.
2. Build the concrete structure of modern algebra with the basic concepts of Group, Abelian group, subgroup, etc. And with their properties.
3. Explore the concepts for understanding and analyzing more advanced topics like Conjugate subgroups, Invariant subgroups, Quotient group, Homomorphism and Isomorphism on groups, etc., for a strong grip on modern algebra.
4. Create an understanding of rings, various types of rings, characteristics of a ring, field, skew field, etc., based on the previous concepts of groups.

Course Content**UNIT-I****07 Hours**

Eigen values and Eigen vectors: Eigen vectors and Eigen values of a matrix, product of characteristic roots of a matrix and basic results on characteristic roots, skew- Hermitian, Unitary and orthogonal matrices, characteristic equation of a matrix, Cayley-Hamilton theorem and its use in finding inverse of a matrix.

UNIT-II**07 Hours**

Definition of a group with examples and simple properties; Abelian group; Finite and infinite groups; Order of a finite group; General properties of groups; Composition table for finite groups.

Order of an element of a group, Group homomorphism, Isomorphism on groups, theorems on subgroups, Coset decomposition, Cayley's theorem, Cyclic group, generating system of a group

UNIT-III**08 Hours**

Normal subgroups, Simple group, Conjugate elements, Normaliser of an element of a group, Class equation of a group, Centre of a group, Conjugate subgroups, Invariant subgroups, Quotient group, Homomorphism and Isomorphism on groups, Kernel of a Homomorphism and related theorems.

UNIT-IV**07 Hours**

Rings, Various types of rings, Rings with Unity, Rings without zero divisors, Properties of rings, subrings. Ideals, Quotient rings, Principal ideals, Maximal ideals, Prime ideals, Principal ideal domains, Characteristic of a ring. Integral domain, Field, Skew field, etc., Field of quotients of an integral domain, Embedding of an integral domain in a field, Factorisation in an integral domain, Divisibility, Units, Associates, Prime and irreducible elements, Unique Factorisation Domain, Euclidean rings.

Transaction Mode:

Video-based teaching, Collaborative teaching, Group Discussion, ted talks, E-Team Teaching, and Quiz.

Suggested Readings:

- Friedberg, Stephen H, Insel, Arnold J., & Spence, Lawrence E. (2003). *Linear Algebra (4th ed.)*. Prentice-Hall of India Pvt. Ltd., New Delhi. Hadley, G (2002). *Linear Algebra*, Narosa Publishing House, New Delhi.
- Hoffman and Kunze (1972), *Linear Algebra*, Prentice Hall of India, New Delhi.
- H. Helson (1994), *Linear Algebra*, Hindustan Book Agency, New Delhi.
- Dutta, K.B. (2004), *Matrix and Linear Algebra*, Prentice Hall of India.
- S. Lang, (1987), *Linear Algebra*, Springer.
- Suggested digital platform: NPTEL/ SWAYAM/ MOOCs.
- J.B. Fraleigh (2003), *A First Course in Abstract Algebra*, Addison-Wiley.
- I.N. Herstein, (2006), *Topics in Algebra*, John Wiley & Sons.

- *Thomas W Hungerford, (1990), Abstract Algebra–An Introduction, Saunders College Publishing.*
- *Joseph A Gallian (2016), Contemporary Abstract Algebra, Brooks/Cole Cengage Learning.*
- *V. K. Khanna and S. K. Bhambri, (2014), A course in Abstract Algebra, Vikas Publishing House Pvt (Ltd).*
- *Robert J.T. Bell, (1923), An Elementary Treatise on Coordinate Geometry of three dimensions, Macmillan India Ltd.*
- *Suggested digital platform: NPTEL/SWAYAM/MOOCs.*
- *P.R. Vittal, (2013), Analytical Geometry, 2d & 3D, Pearson.*
- *S.L. Loney (2018), The Elements of Coordinate Geometry, McMillan and Company, London. Suggested digital platform: NPTEL/SWAYAM/MOOCs*

Course Title: Biographical Study of Indian Music	L	T	P	Cr.
Course Code: BAT3211	1	0	0	1

Total Hours: 15

Course Learning Outcomes: After successful completion of this course, the student's will be able to:

1. Studies about the musical terms of Hindustani music.
2. To learn various developments in brief in the history of north India music during the modern period 18 to 20th century AD.
3. Write the practical composition according to the notation system.
4. Studies about the theoretical aspects of raags.

Course Content

UNIT-I

5 Hours

Indian music of 12th century with special reference to Hindu Period. Matang Muni, Sharang Dev

Origin and development of the Khayal Gayan Shailies. Definition of the Following: Nyas, Apnyas, Grah, Ansh

UNIT-II

4 Hours

Definition, concept & Importance of Alap and Taan, Folk music of Punjab, Contribution of Shri Guru Arjun Dev Ji to Gurmat Sangeet.

UNIT-III

3 Hours

Brief life sketches and the contributions of a great musician. Ustad Faiyaz Khan, Krishan Rao Shankar Pandit, Swami Harivallabh. Knowledge of Bhatkhande Thaapadhati.

UNIT-IV

3 Hours

Descriptions and notation of following ragas (Khayal) And talas Ragas: Bhairav, Malkauns. Talas: Jhap Taal, Teentaa, Deepchandi, Teevra. Elementary knowledge of the following Ragas: Gunkali, Chandarkauns.

Transaction Mode: Lecture, Problem-Solving, blended learning, Discussion & Demonstration

Suggested Reading

- *Sharma, Yashpal (Dr.) Bhartiya Sangeet Mein Shruti, Kanishka Publishers, New Delhi, 2002.*
- *Strangways, A.H., Features, Principles and Technique of Indian Music, Kanishka Publication, Delhi, 2008*
- *Tagore, S.M, Universal History of Music, Sanjay Publication Delhi, 1998*
- *Tagore, S.M, History of Hindu Music, Kanishka Publication Delhi, 2008*
- *Ranade, G.H, Hindustani Music, Popular Prakashan, Delhi, 1971*
- *Garg, Laxami Narayan, Nibandh Sangeet, Sangeet KaryalayayHathras, 1989.*
- *Verma, Rajiv (Dr.) & Parikh, Neelam, Bhartia Sangeet Ka Adhiyatmik Swaroop, Amar Granth Prakashan, 2004.*

Course Title: Study of Laya and Talas	L	T	P	Cr.
Course Code: BAT3212	0	0	2	1

Total Hours: 15

Course Learning Outcomes: After completion of this course, the learner will be able to:

1. Understand the basic Knowledge of Indian music.
2. Know about the practical composition according to the notation system.
3. Studies about the theoretical aspects of Ragas.
4. Know the importance of Taal and Layain instrumental music.

UNIT-I

8 Hours

One Drut khayal in each of the following Ragas with simple Alaps & Tanas: Bhairav, Malkauns

UNIT-II

7 Hours

Ability to recite bols of Talas Prescribed in the course in EkTalas & amp Dugan by hand: JhapTaal, Teentaal, Deepchandi, Teevra Taal.

Transaction Mode: Lecture, Problem Solving, blended learning, Discussion & Demonstration

Suggested Readings:

- Paul, Neelam (Dr) Saras Raag Darshika, Abhishek Publication Chandigarh.
- Thakur, Onkar Nath, Sangeetanjali, Sangeet Karyalayaya Hathras.
- Bhatkhande, Vishnu Narayan, Kramik Pustak Malika Sangeet Karyalay, Hathras.
- Pataki, J.D. Aprachalit Raags (Part I to II), Anubhav Publication, Allahabad.
- Jha Ramashraya, Abhinav Geetanjali, Sangeet KaryalayayHathras.
- Kapila, Surinder, Sangeet Ratnavali, Punjabi University Patiala.
- Sharma, Ganesh Parshad, Raag Praveen, Kanishka Publication, Delhi.

Course Title: Basic Knowledge of Gurmat Sangeet	L	T	P	Cr.
Course Code: BAT3213	1	0	0	1

Total Hours: 15

Course Learning Outcomes: On successful completion of this course, the students will be able to

1. Learn of music in Sikhism.
2. Introduction of basic raags of Sri Guru Granth Sahibji.
3. Introduction of Music forms of Gurmat Sangeet.
4. Basic Introduction of Music Instruments.

Course Content

UNIT-I

05 hours

Technical Terminology: Hasat Vidhi, Theka, Aavartan, Sam, Taaliand Khali.

Technical Terminology of GurmatSangeet: Kirtan, Kirtania, Pade, Ashatpadi.

UNIT-II

04 hours

Contribution & Development of Gurmat Sangeet in period Guru Ramdasji and Guru Arjan Dev ji. Classical and Folksinging forms in Gurmat Sangeet.

UNIT-III

03 hours

Shabad Kirtan Performance in the prescribed Raagas Gaurhi - one Shabad Composition.

Gujri - one Shabad Composition. Devgandhari - one Shabad Composition. Tukhari - one Shabad Composition.

UNIT-IV**03 hours**

Two shabad playing on Instruments based on Ragas Detailed description with notation in Ekgunand Duguan of prescribed Taals:

Solfak, Chartaal, and Birtaal.

Transaction Mode: Lecture, Problem Solving, blended learning, Discussion & Demonstration

Suggested Readings

- *Adi Granth Rag Kosh by Gurnam Singh, Puitar Parmanik Parkashan, Patiala.*
- *Gurmat Sangeet by Dharam Parchar Committee, Central Yatim khana, Sri Amritsarsahib.*
- *Gurmat Sangeet Darpan by Prof. Kartar Singh, SGPC, Amritsar.*
- *Gurmat Sangeet da Sangeet Vigyan by Dr. Varinder Kaur, Amarjit Sahit Parkashan, Patiala.*
- *Gurmat Sangeet Paramparaby Prof. Manjeet Kaur, Twenty-first-century publications, Patiala, 2005.*
- *Gur Shabad Sangeet by Principal Sukhwant Singh, Gur Shabad Sangeet Akadmi Jawaddi Taksal, Ludhiana.*
- *Gurmat Sangeet Terminology, by Dr. Gurnam Singh, Punjabi University, Patiala, 2012*
- *Sri Guru Granth Sahib RaagRatnakar by Dr. Gurnam Singh, SGPC, Amritsar.*
- *Sri Guru Granth Sahib RaagRatnavli by Prof. Tara Singh, Punjabi University, Patiala.*
- *Tabla Vaadan by Dr. Jagmohan Sharma, Punjabi University, Patiala, 1996*

Course Title: A Study of Raags and Taals of Gurmat	L	T	P	Cr.
Course Code: BAT3214	0	0	2	1

Total Hours:15

Course Learning Outcomes: On successful completion of this course, the students will be able to

1. Learn of brief talas of Gurmat Sangeet.
2. Introduction of basic raags of Sri Guru Granth Sahibji.
3. Introduction of Music forms of Gurmat Sangeet.
4. Basic Introduction of Music Instruments.

Unit-I

8 Hours

Shabad Kirtan Performance in the prescribed Raagas Gaurhi - one Shabad Composition. Gujri - one Shabad Composition. Tukhari- one Shabad Composition.

Unit-II

7 Hours

Four Alankar's on stringed instruments. Two-shabad playing on instruments based on ragas. Ability to demonstrate the following tasks by hand in EKG, Dugunlayakaries, Solfak and Chartaal.

Transaction Mode: Lecture, Problem Solving, blended learning, Discussion & Demonstration

Suggested Readings

- *AdiGranth Rag Kosh by Gurnam Singh, Puitar Parmanik Parkashan, Patiala. Gurmat Sangeet by Dharam Parchar Committee, Central Yatimkhana, Sri Amritsar sahib.*
- *Gurmat Sangeet Darpan by Prof. Kartar Singh, SGPC, Amritsar.*
- *Gurmat Sangeet da Sangeet Vigyan by Dr Varinder Kaur, Amarjit Sahit Parkashan, Patiala.*

- *Gurmat Sangeet Parampara by Prof.Manjeet Kaur, Twenty-first century publications, Patiala, 2005.*
- *Gur Shabad Sangeet by Principal Sukhwant Singh, Gur Shabad Sangeet Akadmi, Jawaddi Taksal, Ludhiana.*
- *Gurmat Sangeet Terminology, by Dr. Gurnam Singh, Punjabi University, Patiala, 2007.*

Course Title: Sports Training in Physical Education	L	T	P	Cr.
Course Code: BAT3215	1	0	0	1

Total Hours: 15

Course Learning Outcomes: After completion of this course, the learner will be able to:

1. Design and implement sports training Programmes.
2. Identify the skills and fitness specific to a particular sport.
3. Appreciate and executes strategic play.
4. Demonstrate leadership skills.

Course Content

UNIT-I

5 Hours

Introduction to Sport Training–

Definition, Meaning, Aims and need of sports training, Characteristics and Principles of sports training.

Planning: -Meaning, principles and types of training plan.

UNIT-II

4 Hours

Training Load, Overload and Conditioning.

Training load:- factors affecting load frequency, intensity, density, frequency.

Overload: - concept, types, causes, Symptoms, and Tackling of overload. Conditioning: - Meaning, definition, and importance.

UNIT-III

3 Hours

Training for Important Motor Components: -

Strength, speed, endurance, flexibility, coordinative ability. Their definition, types and specific training methods.

Methods of Training: Weight training, Circuit training, Interval training, Fartlek training. Periodisation: Meaning, Types, Aims, Training Cycle.

UNIT-IV

3 Hours

Technical preparation: -

Fundamental and method for the development of a technique. Tactical preparation: -concept, methods of tactical training. Warming up and cooling down: meaning, types, method, and importance Practical Work: Endurance Training (12MinRunWalkTest), Strength Training (Standing Broad Jump, sergeant Jump)

SpeedTraining&Agility (50) Meter Dash, Shuttle Run, Dodging Run Test) Flexibility training (Sit and Reach, Floor Touch, Bridgetest)

TransactionMode: Lecture, Seminar, e-Team Teaching, e-Tutoring, Dialogue, Peer Group Discussion, Mobile Teaching, Self-Learning, Collaborative Learning and Cooperative Learning.

Suggested Readings

Haff, G. G., and Triplett. N. (2016). Essentials of Strength Training and Conditioning, Human Kinetic. USA.

Beachle. Thomas. R. Roger. W. (2008). Essentials of Strength Training and Conditioning.NSCA. USA

Bompa, and Tudor.O.(1990). Theory and methodology of training: The key to Athletic performance, Kendall/Hunt, USA

Bompa, Tudor O., and Buzzichelli, C.(2015). Periodisation Training for sports. USA.

Course Title: Proficiency of Athletics and Games-III	L	T	P	Cr.
Course Code: BAT3216	0	0	2	1

Total Hours: 15

Course Learning Outcomes: After completion of this course, the learner will be able to:

1. Demonstrate the starting and finishing techniques of running events.
2. Contrast the rules of any one game from Volleyball, Boxing, Wrestling, Fencing, Judo and Softball.
3. Demonstrate the measurements for the events and games.
4. Acknowledge the basic and advanced techniques of the game.

Course Content

Running Events –

Long Distance

Races 10000 Meter

Half Marathon and Marathon 5 Km Walk

10KmWalk

20 Km Walk Games –

Volleyball Boxing

Wrestling

Fencing

Judo

Softball

Course Title: Basics of Journalism	L	T	P	Cr.
Course Code: BAT3217	2	0	0	2

Total Hours: 30

Learning Outcomes: After completion of this course, the learner will be able to:

1. Identify news values and comprehend the news process
2. Organize a news story according to the hard news structure
3. Write different leads, the body text and ending
4. Demonstrate interviewing and newsgathering skills

Course Content

UNIT-I

7 Hours

Journalism - Definition, Nature, Scope and Significance. Principles of Journalism

UNIT-II

8 Hours

History of Journalism, Major Theories of Journalism, Meaning of theories based on scientific study & analysis

UNIT-III

7 Hours

The inverted pyramid, Freedom of Press: its basic principles and constraints - Responsibilities and Criticism.

UNIT-IV

8 Hours

Journalism as a Profession. Relationship between Press and Society - Press and Government. Print Media in India: An overview

- **Suggested Reading:**

- *Richard Keeble. The Newspaper's Handbook; Routledge Publication, 2006.*
- *The Golden Age of the Newspaper. George H. Douglas. Greenwood Publishing Group, 1999 - Language Arts & Disciplines - 300 pages.*
- *Media Ethics: Truth, Fairness, and Objectivity 2nd Edition (English, Paperback, ParanjayGuhaThakurta), Oxford, 2015.*
- *Bruce D. Itule and Douglas A. Anderson. News writing and reporting for today's media; McGraw-Hill Publication, 2000.*
- *M.L. Stein, Susan Paterno& R. Christopher Burnett. News writer's Handbook: An*
- *Introduction to Journalism; Blackwell Publishing, 2006.*

- *George Rodmann. Mass Media in a Changing World; Mcgraw Hill*
- Publication,2007.

Course Title: Basics of Journalism (Practical)	L	T	P	Cr.
Course Code: BAT3218	0	0	2	1

Total Hours: 15

Course Content

News Writing Practice- how to write news stories using the 5Ws and 1H (Who, What, When, Where, Why, and How).

News Reporting and Writing- Field reporting, writing news stories, press releases, and features, Mock Press Conferences

Broadcast Journalism (TV)- Anchoring and voice modulation practice, Video news package creation

Essential/Recommended Reading:

Mass Communication in India” Author: Keval J. Kumar

News Reporting and Writing” Authors: Melvin Mencher

Journalism: Principles and Practice” Author: Tony Harcup

Suggestive Reading:

- Keval J. Kumar – Mass Communication in India- A foundational book covering the
- evolution of mass media, including journalism in the Indian context.
- Rangaswami Parthasarathy – Basic Journalism- Ideal for beginners, this book explains
- the core concepts, types of news, and reporting methods.
- Bill Kovach & Tom Rosenstiel – The Elements of Journalism- Discusses the core
- principles journalists must follow, like truth, independence, and accountability.

Course Title: Disaster Risk Reduction and Management: Skills for Safety and Resilience	L	T	P	Cr.
Course Code: BAT3225	2	0	2	3
Total Hours: 45				

Course Outcomes

At the end of the course, students will be able to:

1. Identify hazards, vulnerabilities and risks at individual, institutional and community levels.
2. Outline the legal and institutional frameworks of DRR in India and globally.
3. Demonstrate life-saving skills, emergency communication, disaster response and risk mitigation techniques.
4. Utilize and implement basic tools and technologies for risk assessment, preparedness and resilience-building.
5. Prepare disaster management plans and design community awareness activities, or prototypes in regional/local contexts.

Course Content

UNIT-I: Understanding Disaster Risk Reduction and Management **8 Hours**

- Basic concepts and terminology: Hazard, Vulnerability, Capacity, Exposure, Disaster, Risk, Disaster Management & Disaster Risk Reduction.
- Hazard profile of India: Regional profile.
- Disaster Management Cycle: Mitigation, preparedness, response, relief, recovery, rehabilitation.
- Policy and legal frameworks: DM Act 2005, DM Amendment Act 2025, National Policy, State-specific Acts; PM 10 Points agenda.
- International frameworks: Sendai Framework, Paris Agreement, SDGs.
- Role of Institutions in DRR (overview only): NDMA, NIDM, IMD, CWC, GSI, BIS, ISRO, INCOIS, SDMA, DDMA, NDRF.
- Case studies of different disasters in India: Lessons learned (minimum 2).

UNIT-II: Preparedness, Mitigation and Response Planning **7 Hours**

- Framework for Developing Disaster Management Plans.
- Hazard, Vulnerability, Capacity and Risk (HVCR) Assessment tools and techniques: Transect walk, Hazard mapping, Problem tree, Chapatti diagram etc.
- Mitigation and Preparedness: Evacuation planning, mock drills, tabletop exercises; disaster-specific mitigation, Crowd Management techniques.
- Basics of Incident Response System (IRS).
- Role of emergency forces: NDRF, SDRF, police, fire services, armed forces, NCC, NSS.
- Planning for more vulnerable groups.

- Emerging technologies: Drones, digital literacy, mobile apps (GIRI tool, SAFAR, Meghdoot, UMANG, Sachet, CWC Flood Alerts, IMD, BIS, IHIP), social media for DRR.
- Basics of safe construction and structural & non-structural audit exercise (safety of home/ college buildings).
- Funding mechanisms for disasters in India.
- Emergency Communication Network.

UNIT-III: Life-Saving Skills

10 Hours

- First Aid in disasters: Golden hour concept, CPR, wounds, choking, burns, fractures, animal bites (snake/dog/rabid), heat-related illnesses, triaging, stampede.
- Household and personal preparedness and protection: 72-hour emergency kit, safe food storage, water purification, ORS use, water sanitation and hygiene (WASH) and Infection Prevention Control (IPC) practices, Basic Sign Language.
- Search and Rescue methods.
- Fire safety and electrical/gas/LPG safety: Causes, prevention, fire extinguisher demonstration, indigenous methods (Natural first-aid remedies- aloe vera, turmeric, coconut oil, salt solution); traditional risk-reduction practices.
- Disaster-specific response: Floods, landslides, earthquakes, CBRN emergencies, pandemics, drowning, lightning, gas leakage, cyclone, heatwave, coldwave.
- Psychosocial support in DRR; Steps for implementing psychological first aid and its importance.
- Public health preparedness: Public health impacts of various disasters, Prevention of post-disaster water-borne and vector-borne diseases.

UNIT-IV: Field Exposure and Community Engagement

10 Hours

- Field visits: District Emergency Operations Centre, State Disaster Response Force/National Disaster Response Force units, fire stations, State Emergency Operations Center, hazard-prone communities, heat-prone areas (flood-prone village, fire-vulnerable urban slum).
- Practical exposure: Mock drills, demonstrations and simulations (multi-hazard, evacuation, earthquake, flood); interaction with responders and officials (Aapda Mitras, National Cadet Corps/National Service Scheme/Nehru Yuva Kendra Sangathan, Red Cross).
- Community Engagement projects: Street plays (nukkad natak), awareness campaigns, DRR clubs (institute and community level clubs), Information, Education and Communication material (podcasts, videos, comics, photo essays, posters, Knowledge exchange webinars).
- Environmental hazards: Youth/community participation (tree plantation, soil conservation).
- Project/assignment: Preparation of institutional/household DM plan in local language; budget-friendly multi-disaster survival kit prototype; reflective field report, youth-led community engagement projects and creation of IEC/digital communication materials.

- Multidisciplinary integration: Links with local governments, HEIs, youth/adolescent networks.
- Activities for mitigating disaster risks: Increasing green cover, plantation and knowledge of human anatomy.
- Interaction with: State, district, gram panchayat level officials, DRR helpline numbers, and knowledge of physical resources required and available locally; interview/session with disaster survivors.

Transactional Mode

Lecture, Seminar, e-Team Teaching, e-Tutoring, Dialogue, Peer Group Discussion, Mobile Teaching, Self-Learning, Collaborative Learning and Cooperative Learning

Books/Handbooks

1. Sphere Handbook for humanitarian response standards. Link: <https://spherestandards.org/handbook/>
2. Health emergency and disaster risk management framework (Health EDRM), WHO. Link: <https://www.who.int/publications/i/item/9789241516181>

Course Title: Basics of Cyber Security	L	T	P	Cr.
Course Code: BAT3226	3	0	0	3
Total Hours: 45				

Course Learning Outcomes: After completing all the units, students will be able to:

1. Understand the concept of cybersecurity and issues and challenges associated with it.
2. Analyse the cybercrimes, their nature, legal remedies and as to how to report the crimes through available platforms and procedures.
3. Appreciate various privacy and security concerns on online Social media and understand the reporting procedure of inappropriate content, underlying legal aspects and best practices for the use of Social media platforms.
4. Understand the basic concepts related to E-Commerce and digital payments. They will become familiar with various digital payment modes and related cybersecurity aspects, RBI guidelines and preventive measures against digital payment frauds.

Course Content

Unit I: Introduction to Cyber Security

11 Hours

Defining Cyberspace and Overview of Computer and Web-technology, Architecture of cyberspace, Communication and web technology, Internet, World Wide Web, Advent of internet, Internet infrastructure for data transfer and governance, Internet society, Regulation of cyberspace, Concept of cyber security, Issues and challenges of cyber security.

Unit-II: Cyber Crime and Cyber Law

11 Hours

Classification of cyber crimes, Common cyber crimes- cyber crime targeting computers and mobiles, cyber crime against women and children, financial frauds, social engineering attacks, malware and ransomware attacks, zero day and zero click attacks, Cybercriminals modus-operandi, Reporting of cyber crimes, Remedial and mitigation measures, Legal perspective of cyber crime, IT Act 2000 and its amendments, Cyber crime and offences, Organisations dealing with Cyber crime and Cyber security in India, Case studies.

Unit-III: Social Media Overview and Security

11 Hours

Introduction to Social networks. Types of social media, Social media platforms, Social media monitoring, Hashtag, Viral content, Social media marketing, Social media privacy, Challenges, opportunities and pitfalls in online social network, Security issues related to social media, Flagging and reporting of inappropriate content, Laws regarding posting of inappropriate content, Best practices for the use of Social media, Case studies.

Unit-IV: E-Commerce, Digital Payments, Digital Devices Security, Tools and Technologies for Cyber Security

12 Hours

Definition of E-Commerce, Main components of E-Commerce, Elements of E-Commerce security, E-Commerce threats, E-Commerce security best practices, Introduction to

digital payments, Components of digital payment and stake holders, Modes of digital payments- Banking Cards, Unified payment Interface (UPI), e-Wallets, Unstructured Supplementary Service Data (USSD), Aadhar enabled payments, Digital payments related common frauds and preventive measures. RBI guidelines on digital payments and customer protection in unauthorised banking transactions. Relevant provisions of Payment Settlement Act, 2007. End Point device and Mobile phone security, Password policy, Security patch management, Data backup, Downloading and management of third-party software, Device security policy, Cyber Security best practices, Significance of host firewall and Anti-virus, Management of host firewall and Anti-virus, Wi-Fi security, configuration of basic security policy and permissions.

Suggested Readings:

1. Cyber Crime Impact in the New Millennium, by R. C Mishra, Auther Press. Edition 2010.
2. Cyber Security Understanding Cyber Crimes, Computer Forensics and Legal Perspectives by Sumit Belapure and Nina Godbole, Wiley India Pvt. Ltd. (First Edition, 2011)
3. Security in the Digital Age: Social Media Security Threats and Vulnerabilities by Henry A. Oliver, Create Space Independent Publishing Platform. (Pearson, 13th November, 2001)
4. Electronic commerce by Elias M. Awad, Prentice Hall of India Pvt Ltd.
5. Cyber Laws: Intellectual Property & E-commerce Security by Kumar K, Dominant Publishers.
6. Network Security Bible, Eric Cole, Ronald Krutz, James W. Conley, 2nd Edition, Wiley India Pvt. Ltd.
7. Fundamentals of Network Security by E. Maiwald, McGraw-Hill.

Course Title: Cross-Cultural Management	L	T	P	Cr.
Course Code: BAT3219	3	0	0	03

Total Hours: 30

Course Learning Outcomes: After completing all the units, students will learn:

1. Understand the importance of the influence of national culture on business culture.
2. Learn about value orientations and dimensions.
3. Assess culture and leadership, culture and strategy, cultural change in organizations.
4. Understand cross-cultural team management.
5. Learn the aspects of working with international teams and multiple cultures, and the management of conflicts

Course Content

Unit I

08 Hours

Introduction: Determinants of Culture, Facets of Culture, Levels of Culture, National Cultural Dimensions in the Business Context, The Influence of National Culture on Business Culture. Business Cultures: East and West.

Unit II

07 Hours

Cultural Dimensions and Dilemmas: Value Orientations and Dimensions, Reconciling Cultural Dilemmas, Culture and Styles of Management: Management Tasks and Cultural Values.

Unit III

07 Hours

Culture and Organisations: Culture and Corporate Structures, Culture and Leadership, Culture and Strategy, Cultural Change in Organizations, Culture and Marketing, Cultural Diversity. Culture and Communications: Business Communication across Cultures.

Unit IV

08 Hours

Barriers to Intercultural Communication, Negotiating Internationally. Cross-Cultural Team Management: Working with International Teams, Group Processes During International Encounters, Conflicts and Cultural

Difference, Understanding and Dealing with Conflicts, Developing Intercultural Relationships.

Transaction Mode

Cooperative learning, Inquiry-based learning, Group discussion, Active participation, Mentee Meter, Quiz, Open talk, Panel Discussions

Suggested Readings

- *Marie-Joelle Browaeys, Roger Price: Understanding Cross-Cultural Management, Pearson, 4e, 2019.*
- *David C. Thomas: Cross-Cultural Management, Sage Publications, 4e, 2017.*
- *Nigel Holdon, Cross-Cultural Management: Knowledge Management Perspective, Pentice Hall, 2012.*
- *Parissa Haghirian: Multinational and Cross-Cultural Management, Routledge, 2012.*
- *Richard Mead: International Management-Cross-cultural Dimension, 3/e, Blackwell, 2015.*
- *Jerome Dumetz, Cross-cultural Management Textbook: Lessons from the world*
- *leading experts in cross-cultural management, Create Space Independent Publishing Platform; Student edition (September 5, 2012), Oakland, USA.*

Course Title: Consumer Protection Law & Information	L	T	P	Cr.
Course Code: BAT3220	2	0	0	2

Total Hours: 30

Learning Outcomes: After completion of this course, the learner will be able to:

1. Interpret guidelines issued by international organizations for Consumer Protection.
2. Implement and Scrutinize the Consumer Protection Act, 2019.
3. Evaluate the significance of RTI in International perspective.
4. Figure out and evaluate the objects of the RTI Act, 2005.

Course Content

UNIT – I

10 Hours

International Coordination, United Nations and the Guidelines for Consumer Protection, Need for Consumer Protection, Concept of Goods and Services, Restrictive and Unfair Trade Practice

UNIT – II

10 Hours

Consumer Protection Act, 2019: Salient Features, Types of Consumer Rights, Consumer Education, Forums (District Commission, State Commission & National Commission), Limitations and Guidelines for filing consumer complaints. E-Commerce and Its Significance, Categories of E-Commerce.

UNIT – III

05 Hours

Significance of RTI in a Democracy; Good Governance & RTI RTI & International Instruments; RTI in other Countries - Sweden, USA, New Zealand, United Kingdom, Canada, Australia; Historical background- Brief Legislative History of RTI Law in India

UNIT – IV

05 Hours

Main objects of the RTI Act, 2005; Salient features of the Act Definitions - 'Information' & 'Right to Information', Appropriate Government, Central Information Commission, Central Public Information Officer, Chief Information Commissioner, Competent Authority, Public Authority. Right to Information –Relation between the individual and state, obligations of public Authorities, Public Information officers, Request for Information

Bare Act Universal's Consumer Protection Act, 2019, Right to Information (RTI) Act, 2005 Bare Act - Latest Edition – 2023

Suggest readings:

- *Taxmann's Consumer Protection Law & Practice – Edition January 2023, published by Taxmann's Editorial Board*
- *Commentary on THE CONSUMER PROTECTION ACT, 2019 Edition 2023 Published by WHITESMANN PUBLISHING CO; 2023rd edition*
- *Whitesmann's Commentary on The Consumer Protection Act, 2019 by Anoopam Modak, 2023 1st edition*
- *Saharay H.K. Consumer Protection Law published by Universal Law Publishing (1 January 2010)*
- *Shukla M N Law: Right to Information Edition 2023, published by SWEET & SOFT*

- **Web Sources**

- https://www.un.org/en/pdfs/un_system_chart.pdf
- <https://pscnotes.in/right-to-information-act-2005-rti>
- <https://egazette.nic.in/WriteReadData/2019/210422.pdf>
- https://cutscart.org/pdf/Analysing_the_Right_to_Informati

Course Title: Mushroom Production Technology	L	T	P	Cr.
Course Code: BAT3221	3	0	0	3

Total Hours: 45**Learning Outcomes:** The students will know about:

1. Media preparation for spawn culturing.
2. Types of mushroom culture.
3. Cultivation of different types of mushroom.

Unit-I**10 Hours**

Nutritional and medicinal value of mushrooms, different type of media preparation for raising cultures. Methods of sterilization single spore culture multi-spore culture ingredients of spawn production of button mushroom isolation of pure culture of different mushroom.

Unit-II**08 Hours**

Cultivation technology of white button mushroom. Compost preparation, wetting of substrate mixing of different ingredients and turning of compost for button mushroom long method of composting short method of composting.

Unit-III**07 Hours**

Qualities of good compost and its testing fabrication of low-cost mushroom house spawning

methods maintenance of environment in mushroom house picking and marketing of button mushroom.

Unit-IV**10 Hours**

Cultivation of milky mushroom A) Different types of substrate preparation of milky mushroom b) Environment management of milky mushroom. Post-harvest processing of mushroom. Management of indoor environment parameters, i.e., temp and moisture. Visit to different mushroom houses

Suggested Readings:

1. **Chang, S. T., & Miles, P. G.** (2004). *Mushrooms: Cultivation, nutritional value, medicinal effect, and environmental impact* (2nd ed.). CRC Press.
2. **Rai, R. D., Upadhyay, R. C., & Sharma, S. R.** (2007). *Advances in mushroom biology and production*. Solan: Directorate of Mushroom Research, ICAR.
3. **Pathak, V. N., Yadav, N., & Gaur, R. D.** (2000). *Mushroom production and processing technology*. Agrobios (India).
4. **Kues, U., & Liu, Y.** (2000). Fruiting body production in basidiomycetes. *Applied Microbiology and Biotechnology*, 54(2), 141–152.
<https://doi.org/10.1007/s002530000396>
5. **Suman, B. C., & Sharma, V. P.** (2007). *Mushroom cultivation: Basic and applied*. New Delhi: IBH Publishing.

Course Title: Punjabi Vartak te Natak (ਪੰਜਾਬੀਵਾਰਤਕਤੇਨਾਟਕ)	L	T	P	Cr.
Course Code: BAT3222	2	0	0	2

Total Hours: 30**Learning Outcomes:** ਇਹਕੋਰਸਨੂੰਪੂਰਾਕਰਨਉਪਰੰਤਵਿਦਿਆਰਥੀ:

- ਵਾਰਤਕਸਾਹਿਤਬਾਰੇਜਾਣਕਾਰੀਹਾਸਿਲਕਰਨਗੇ।
- ਵਿਆਕਰਨਇਕਾਈਆਂਨੂੰਸਮਝਣਦੇਸਮਰੱਥਹੋਣਗੇ।
- ਨਾਟਕਅਤੇਇਕਾਂਗੀਸਾਹਿਤਦੇਅੰਤਰਨੂੰਚੰਗੀਤਰ੍ਹਾਂਸਮਝਣਗੇ।
- ਆਧੁਨਿਕਪੰਜਾਬੀਵਾਰਤਕਸਾਹਿਤਰੂਪਤੋਂਜਾਣੂਹੋਣਗੇ।

Course Content

ਭਾਗ-ੳ 07 hours

ਵਾਰਤਕਵਿਵੇਕ (ਸਮਕਾਲੀਪੰਜਾਬੀਵਾਰਤਕਸੰਗ੍ਰਿਹ) ਸੰਪਾਦਕਰਾਜਿੰਦਰਪਾਲਸਿੰਘਬਰਾੜਅਤੇਜਗਤਾਰਸਿੰਘਜੋਗਾ, ਪਬਲੀਕੇਸ਼ਨਬਿਊਰੋ, ਪੰਜਾਬੀਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।

ਭਾਗ-ਅ 08 Hours

ਮੂਲਵਿਆਕਰਨਇਕਾਈਆਂਭਾਸ਼ਾਅਤੇਵਰਗੀਕਰਨ (ਭਾਵੰਸ਼, ਸ਼ਬਦ, ਵਾਕੰਸ਼, ਉਪਵਾਕਅਤੇਵਾਕ)

ਭਾਗ-ੲ 08 Hours

ਨਾਟਕਝਨਾਦੇਪਾਣੀ (ਅਜਮੇਰਸਿੰਘਐਲਖ)

ਭਾਗ-ਸ 08 Hours

ਆਧੁਨਿਕਪੰਜਾਬੀਸਾਹਿਤਰੂਪ (ਵਾਰਤਕ) ਨਿਬੰਧ, ਜੀਵਨੀ, ਸਵੈ-ਜੀਵਨੀ, ਰੇਖਾਚਿੱਤਰ, ਖਤ, ਡਾਇਰੀਆਦਿ

ਪੁਸਤਕਸੂਚੀ

- ਜੀਤਸਿੰਘਸ਼ੀਤਲ, ਵਾਰਤਕਤੇਵਾਰਤਕਸ਼ੈਲੀ, ਪੰਜਾਬੀਸਟੇਟਯੂਨੀਵਰਸਿਟੀਟੈਕਸਟਬੁੱਕਬੋਰਡ, ਚੰਡੀਗੜ੍ਹ।
- ਸਤੀਸ਼ਕੁਮਾਰਵਰਮਾ, ਪੰਜਾਬੀਨਾਟਕਦਾਇਤਿਹਾਸ, ਪੰਜਾਬੀਅਕਾਦਮੀ, ਦਿੱਲੀ।
- ਬੂਟਾਸਿੰਘਬਰਾੜ, ਪੰਜਾਬੀਵਿਆਕਰਨ:ਸਿਧਾਂਤਤੇਵਿਹਾਰ, ਚੇਤਨਾਪ੍ਰਕਾਸ਼ਨ, ਲੁਧਿਆਣਾ।
- ਰਾਜਿੰਦਰਪਾਲਸਿੰਘਬਰਾੜ, ਜਗਤਾਰਸਿੰਘਜੋਗਾ (ਸੰਪਾ.) ਵਾਰਤਕਵਿਵੇਕ (ਸਮਕਾਲੀਪੰਜਾਬੀਵਾਰਤਕਸੰਗ੍ਰਿਹਪਬਲੀਕੇਸ਼ਨਬਿਊਰੋ, ਪੰਜਾਬੀਯੂਨੀਵਰਸਿਟੀਪਟਿਆਲਾ।
- ਜੋਗਿੰਦਰਸਿੰਘਪੁਆਰਅਤੇਹੋਰ, ਪੰਜਾਬੀਭਾਸ਼ਾਦਾਵਿਆਕਰਨ:ਭਾਗ-1। ਪੰਜਾਬੀਭਾਸ਼ਾਅਕਾਦਮੀ, ਜਲੰਧਰ।

Course Title: Hindi (आधुनिकभारतीयभाषाहिंदीबी.ए./बी.कॉम. (प्रोग्राम))	L	T	P	Cr.
Course Code: BAT3223	2	0	0	2

Total Hours: 30**Course Learning Outcomes:**

- छात्रोंकोहिंदीभाषाकेव्याकरण, वाक्यविन्यास, शब्दचयनएवंशुद्धलेखनशैलीकीसमझविकसितकरना।
- हिंदीसाहित्यकीविभिन्नविधाओं (कविता, कहानी, नाटक, निबंधआदि) सेपरिचितकरानातथाउनमेंनिहितसामाजिक, सेमेस्टर अनुवाद, पत्रकारिता, प्रशासन, शिक्षा, विज्ञापन,
- तथाजनसंपर्कजैसेक्षेत्रोंमेंहिंदीभाषाकेव्यावसायिकप्रयोगकेलिएआवश्यकदक्षताओंकानिर्माण।
- हिंदीकोराष्ट्रभाषाकेरूपमेंसमझनाएवंभारतकीविविधभाषाओंऔरसंस्कृतियोंकेप्रतिसम्मानएवंएकताकीभावना कापोषणकरना।

इकाई 1: हिंदीभाषाऔरसाहित्य**08 Hours**

(क) आधुनिकभारतीयभाषाओंकासामान्यपरिचय

(ख) हिंदीकाउद्भवसामान्यपरिचय

डकार्ड-2 : भक्तिकालीनकविता**07 Hours**

1. कबीरकवीरग्रंथावली; संपा. श्यामसुंदरदास, नागरीप्रचारिणीसभा, काशी; उन्नीसवाँ

संस्करण: सं. 2054 वि

पोथीपढ़िपदिजगमुआ

कस्तूरीकुंडलिबसै

इकाई- 3: रीतिकालीनकविता**08 Hours**

(क) बिहारी :

बतरसलालचलालकी

याअनुरागीचितकी..

इकाई-4: आधुनिककविता**07 Hours**

सुभद्राकुमारीचौहान 'बालिकाकापरिचय'

निरालावरदेवीणावादिनी.

हायकग्रंथ :

- हिंदीसाहित्यकाइतिहासरामचंद्रशुक्ल
- कबीरहजारीप्रसादद्विवेदी -
- तुलसीकाव्य-मीमांसाउदयभानुसिंह -
- बिहारीकीवाग्बिभूतिविश्वनाथप्रसादमिश्र
- निरालासाहित्यसाधना- रामविलासशर्मा

Course Title: Prose and Poetry in English Language	L	T	P	Cr.
Course Code: BAT3224	2	0	0	2

Total Hours: 30

Course Learning Out comes: On successful completion of this course, the students will be able to:

1. To analyze *Animal Farm* as a political allegory, students will develop critical and ethical reasoning.
2. To understand the message and irony in Tolstoy and Maupassant, they will explore human desires and moral consequences.
3. To analyze Shakespeare's Sonnets, students will interpret concept, beauty, and poetic legacy.
4. To understand the works of Wordsworth, Yeats, and Tagore, students will appreciate nature, peace, and freedom.

Course Content

UNIT-I **08 Hours**

George Orwell: *Animal Farm*

UNIT-II **07 hours**

Leo Tolstoy: How Much Land Does a Man Need

Guy De Maupassant: The Necklace

UNIT-III **08 Hours**

William Shakespeare: Sonnet 18, 39 and 65.

UNIT-IV **07 Hours**

William Wordsworth: Daffodils

W. B. Yeats: The Lake Isle of Innisfree

Suggested Readings:

Crick, Bernard. *George Orwell: A Life*. Penguin Books, 1992.

Bloom, Harold, editor. *George Orwell's Animal Farm*. Chelsea House, 2007.

Tolstoy, Leo. *The Death of Ivan Ilyich and Other Stories*. Translated by Richard

Pevsner and Larissa Volokhonsky, Vintage Classics, 2010.

Maupassant, Guy de. *Selected Short Stories*. Translated by Roger Colet, Penguin Classics, 1998.

Shakespeare, William. *The Complete Sonnets and Poems*. Edited by Colin Burrow, Oxford UP, 2002.

Vendler, Helen. *The Art of Shakespeare's Sonnets*. Harvard UP, 1997.

Booth, Stephen. *Shakespeare's Sonnets*. Yale UP, 1977.

Greenblatt, Stephen. *Will in the World: How Shakespeare Became Shakespeare*. W.W. Norton, 2004.

Wordsworth, William. *Lyrical Ballads*. Edited by R. L. Brett and A. R. Jones, Routledge, 1991.

Yeats, W.B. *Selected Poems and Four Plays*. Scribner Poetry, 1996.

Abrams, M. H. *The Mirror and the Lamp: Romantic Theory and the Critical Tradition*. Oxford UP, 1953.

Semester IV

Course Title: History of Punjab (1469-1707 AD)	L	T	P	Cr.
Course Code: BAT4250	4	0	0	4

Total Hours: 60**Learning Outcomes:** After completion of this course, the learner will be able to:

1. Know the various Sources of Punjab history and the
2. Teachings of various Sikh Gurus.
3. Analyse the transformation of Sikhism and the creation of Khalsa Pant
4. Discuss the relationship of Sikh Gurus with Mughals and the achievements of Banda Singh Bahadur.

Course Content

UNIT-I **15 Hours**
 Sources of Sikh History, Guru Nanak Dev: His Teachings; Development of Sikhism 1539-1606 (from Guru Angad to Guru Arjun Dev Ji)

UNIT-II **15 Hours**
 Transformation of Sikhism from Guru Hargobind to Guru Tegh-Bahadur. Guru Gobind Singh: Creation of the Khalsa and its Significance.

UNIT-III **15 Hours**
 Relationships of Sikh Gurus with Mughals, 1605-1708. Banda Bahadur's achievements, administration and causes of his ultimate failure.

UNIT-IV **15 Hours**
 Sikh Struggle against the Mughals during the periods of Abdus Samad Khan, Zakariya Khan, Mir Mannu and Adina Beg.

Transaction Mode:

Lecture, Group Discussion, Quiz, Open Talk, Self-study, Assignment.

Suggested Readings:

- Khushwant Singh (2004) *A History of the Sikhs: Volume 1: Early Phase (1469-1808)*. New Delhi: Oxford University Press.
- Ishtiaq Mughal (2014) *The Punjab Bloodied, Partitioned, and Cleansed: Religious Cleansing in Modern South Asia*. New Delhi: Oxford University Press.

- Kim A. Wagner. (2007). *Colonial Punjab: A History of Political Economy (1849-1900)*. New Delhi: Oxford University Press.
- *Sikhism: A Very Short Introduction* (2014) by Eleanor Nesbitt. Oxford University Press.
- Ali, Imran. (2013). *The Making of Punjab: A History from Ancient Times to the Present*. New Delhi: PenguinRandomHouseIndia.

Course Title: Public Finance and International Economics	L	T	P	Cr.
Course Code: BAT4251	4	0	0	4

Total Hours:60

Learning Outcomes: After completion of this course, the learner will be able to:

1. Elaborate the nature of public finance and difference between the private and public finance.
2. Conceptualize the concepts of Balance of Payments and foreign exchange rate.
3. Evaluate the tax structure in India.
4. Illustrate the achievements of World Bank, SAARC and IMF.

Course Content

UNIT-I

15 Hours

Introduction to Public Finance and Taxes: Public Finance: Nature and Scope. Tax: Meaning and Classification of Taxes, Allocation of Tax Burden-Benefit. Incidence and Shifting of Tax Burden. Goods and Services Tax (GST) in India.

Skill Enhancement Content: Calculation of GST in India.

UNIT-II

15 Hours

Public Expenditure & Public Debt: Public Expenditure: Meaning and Importance. Reasons and effects for the Growth of Public Expenditure.

Public Debt- Sources and its Impact on Economic Growth, Debt Redemption.

Skill Enhancement Content: Public Expenditure: Techniques of formulation of fiscal policy in India.

UNIT-III

15 Hours

Introduction and International Trade Theories: International Economics: Meaning, Scope and Importance. Theory of International Trade: Absolute Cost Advantage Theory, Comparative Cost Advantage Theory, Opportunity Cost Theory.

UNIT-IV

15 Hours

Foreign Exchange and Balance of Payment: Meaning of Foreign Exchange, Fixed vs. Floating Exchange Rate Policy. Free Trade and Protection. GATT & WTO: Functions and Agreements.

Skill Enhancement Content:

Practical approach to free trade and protectionism. Practical approach to exchange rate management in India.

Transaction Mode:

Lecture, Problem Solving, blended learning, Discussion & Demonstration, and Case Studies.

Suggested Readings:

- Musgrave, A.R. and Musgrave, P. B. (1976). *Public finance in Theory and Practice*, McGraw Hill, International Student's Edition.
- Kindleberger, C. P. (1977). *International Economics*, Richard Irwin Homeswood Ilinios,
- Soderston, B O (1990). *International Economics*, Macmillan Press Ltd.

Course Title: Religious Movements	L	T	P	Cr.
Course Code: BAT4252	4	0	0	4

Total Hours:60**Learning Outcomes:** After completion of this course, the learner will be able to:

1. Understand that the academic study of new religious movements is known as new religions studies.
2. Know that the new religious studies have been drawn from the disciplines of anthropology, psychiatry, history, psychology, sociology, religious studies, and theology.

Course Content**Unit- I****15 Hours****ਸੁਫ਼ੀਮਤ**

ਸੁਫ਼ੀਮਤ: ਆਰੰਭ ਅਤੇ ਵਿਕਾਸ

ਸੁਫ਼ੀਮਤ: ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ

ਬਾਬਾ ਫ਼ਰੀਦਜੀ : ਜੀਵਨ ਤੇ ਸਿੱਖਿਆਵਾਂ

Unit- II**15 Hours****ਭਗਤੀਲਹਿਰ**

ਲਹਿਰ: ਉਤਪਤੀ ਤੇ ਵਿਕਾਸ

ਭਗਤੀਲਹਿਰ ਦੇ ਸਮਾਜਿਕ ਤੇ ਧਾਰਮਿਕ ਪ੍ਰਭਾਵ

ਭਗਤ ਕਬੀਰਜੀ, ਭਗਤ ਨਾਮ ਦੇਵਜੀ, ਭਗਤ ਰਵਿਦਾਸਜੀ: ਸਿੱਖਿਆਵਾਂ

Unit- III**15 Hours****ਪੰਜਾਬੀ ਦੀਆਂ ਧਾਰਮਿਕ ਲਹਿਰਾਂ**

ਨਿਰੰਕਾਰੀ ਲਹਿਰ

ਚੀਫ਼ ਖ਼ਾਲਸਾ ਦੀਵਾਨ

ਗੁਰਦੁਆਰਾ ਸੁਧਾਰ ਲਹਿਰ

Unit- IV**15 Hours****ਆਧੁਨਿਕ ਭਾਰਤੀ ਧਾਰਮਿਕ ਲਹਿਰਾਂ: ਜਾਣ-ਪਛਾਣ ਤੇ ਯੋਗਦਾਨ**

ਰਾਮਕ੍ਰਿਸ਼ਨ ਮਿਸ਼ਨ

ਬ੍ਰਹਮੋਸਮਾਜ

ਆਰੀਆ ਸਮਾਜ

ਟ੍ਰਾਂਜੈਕਸ਼ਨ ਮੋਡ: ਲੈਕਚਰ, ਸਮੱਸਿਆ ਹੱਲ, ਮਿਸ਼ਰਤ ਸਿਖਲਾਈ, ਚਰਚਾ ਅਤੇ ਪ੍ਰਦਰਸ਼ਨ ਅਤੇ ਕੇਸ ਅਧਿਐਨ।**ਸਹਾਇਕ ਪੁਸਤਕਾਂ:**

- ਪਰਸੁਰਾਮ ਚਤੁਰਵੇਦੀ, ਉੱਤਰੀ ਭਾਰਤ ਦੀ ਸੰਤ ਪਰੰਪਰਾ, (ਹਿੰਦੀ)
- ਗਿ. ਪ੍ਰਤਾਪ ਸਿੰਘ, ਖਾਲਸਾ ਬ੍ਰਹਮਚਰਜ, ਗੁਰਦੁਆਰਾ ਸੁਧਾਰ ਲਹਿਰ, ਸ਼੍ਰੀ ਅੰਮ੍ਰਿਤਸਰ ਸਾਹਿਬ।

B.ABB.A

- ਡਾ. ਤਾਰਨਸਿੰਘ, ਬਲਵੀਰਕੌਰ, ਸ਼ੇਖਰੀਦਤੇਰਚਨਾ, ਪੰਜਾਬੀਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।
- ਡਾ. ਮਨਮੋਹਨਸਿੰਘਭਗਤੀਅੰਦੋਲਨਤੇਗੁਰੂਨਾਨਕ,
- Dr. Ganda Singh, **Punjab Past and Present** (Special Issue),

Course Title: Indian Political System	L	T	P	Cr.
Course Code: BAT4253	4	0	0	4

Total Hours:60

Learning Outcomes: After completion of this course, the learner will be able to:

1. Understand the meaning, concept, and scope of the Indian Political System and its institutional framework.
2. Analyze the Indian Cabinet and Prime Minister, focusing on constitutional provisions, powers, roles, and their evolving dynamics.
3. Examine the Union Council of Ministers in terms of its composition, powers, and functions in the Indian political system.
4. Explore key aspects of the Indian Judiciary, including the Supreme Court, High Court, judicial review, judicial activism, the Election Commission, and the determinants of voting behaviour.

Course Content

Unit I

15 Hours

1. Meaning, Concept and Scope of the Indian Political System
2. The Indian Cabinet and Prime Minister: Constitutional Provisions, Powers, Roles, and Changing Dynamics
3. Union Council of Ministers: Composition, Powers And Functions

Unit II

14 Hours

4. Judiciary: Supreme Court, High Court
5. Judicial Review And Judicial Activism

Unit III

15 Hours

6. The Election Commission: Composition, Powers and Role.
7. Electoral Reforms In India

Unit IV

16 Hours

8. Religion, Caste, and Regionalism in Indian Politics: Influence and Impact
9. Language and Politics in India: Role and Significance
10. Voting Behaviour in India: Determinants and Trends

Transaction Mode

Lecture, Group Discussion, Quiz, Open Talk, Self-study, Assignment

SUGGESTED READINGS

- *Assembly, Constituent (1949) "Constitution of India." Ministry of Law and Justice, editor. New Delhi, India: Ministry of Law and Justice, India.*
- *Bose, Durgadas. (1955). ed. Commentary on the Constitution of India... Vol. 1. SC Sarkar.*
- *Joshi, Gulabbhai Naranji. (1975.) The Constitution of India. Delhi: Macmillan Company of India.*
- *Ghosh, Pratap Kumar. (1966). The Constitution of India: How it Has Been Framed. PrabhatPrakashan.*
- *Puneeth, P. & V. N. Shukla. (2008). Constitution of India.*
- *G. Austin. (1966). The Indian Constitution: Cornerstone of a Nation, Oxford, Oxford University Press.*
- *G. Austin. (2000). Working of a Democratic Constitution: The Indian Experience, Delhi, Oxford University Press.*
- *D.D. Basu. (1994).An Introduction to the Constitution of India, New Delhi, Prentice Hall.*
- *C. P. Bhambari.*
- *(1997). The Indian State fifty years, New Delhi, Sipra.*
- *P. Bras. (2003).Politics of India since Independence, Cambridge University Press,*
- *P. Brass. (1995). Ethnic Groups and the State, London, Crook Helm.*
- *P. Brass. (1974). Language, Religion and Politics in North India, London, Cambridge University Press.*
- *B.L. Fadia. (1984). State Politics in India, Vol. II, New Delhi, Radint Publisher.*
- *F.R. Frankel. (1978). Indian Political Economy Oxford University Press.*
- *R. Kothari. (1988).State against Democracy: In Search of Human Governance, Delhi, Ajantha.*
- *R. Kothari. (1970). Politics in India, New Delhi, Orient Longman.*
- *R. Kothari. (1967). Party System and Election Studies, Bombay, Asia Publishing House.*
- *Iqbal Narain. (1967). State Politics in India, Meerut, Meenakshi Parkashan,*
- *M.V. Pylee. (1977). Constitutional Government in India, Bombay, Asia Publishing House.*

Course Title: Social Change and Development	L	T	P	Cr.
Course Code: BAT4254	4	0	0	4

Total Hours:60**Learning Outcomes:** After completion of this course, the learner will be able to:

1. Define and explain the concept of social change, including its meaning, features, and significance in society.
2. Differentiate between various types of social change, such as evolution, revolution, progress, and development, and analyse their respective features.
3. Evaluate the impact of industrialisation, modernization, globalisation, and westernisation on social change processes in India.

Course Content**UNIT I****15 Hours**

Social change: Meaning, definition, features, Types of social change: Evolution, Revolution, Progress and Development (concept and feature).

UNIT-II**15 Hours**

Theories: Cyclical theories (Oswald Spengler, Vilfredo Pareto, Pitirim Sorokin)

Process of social change: Features of Industrialisation, Modernisation, Globalisation, Westernisation.

UNIT-III**15 Hours**

Definition and meaning of development, Economic growth and development. Social development and social indicators, Environment and Development, Sustainable development.

UNIT-IV**15 Hours**

Development programmes in India: Five-year plans, Community Development Programme (CDP), Panchayati Raj and its impact on women empowerment.

TransactionMode:

Lecture, Problem Solving, blended learning, Discussion & Demonstration.

Suggested Readings:

- *Desai, A.R. 1985. India's path of development: A Marxist approach. Bombay: Popular Prakashan.*
- *Dube, S C. 1998. Modernisation and development. Vistaar Publisher: New Delhi.*

- *Giddens, A. 1990. The consequences of modernity. Cambridge: Polity press*
- *Moor, W. and Robert, C. 1967. Social change. New Delhi: Prentice Hall.*
- *Sharma, S L. 1986 Development: Socio-cultural development. Rawat Publications, Jaipur.*
- *Singh Sukhdev. 1997. PenduSamaaj ate Pendu Vikas. Patiala: Publication Bureau Punjabi University.*
- *Srinivas, M.N. 1966. Social change in modern India. Berkley: University of Berkley.*

Course Title: Social Work and Social Development	L	T	P	Cr.
Course Code: BAT4255	4	0	0	4

Total Hours:60

Course Learning Outcomes: On successful completion of this course, the students will be able to:

1. Understand the theories and concepts of development and their relevance to social work practice.
2. Analyze the impact of globalization, neoliberalism, and economic policies on social development.
3. Demonstrate knowledge of various development models and strategies.
4. Apply social work principles and skills to contribute to community development projects effectively

Course Content

UNIT-I

15 Hours

Introduction to Development Theories: Introduction to development studies: Definitions, goals, and paradigms. Modernization theory, dependency theory, and the capability approach. Sustainable Development Goals (SDGs) and their significance.

Development Ethics: Human Rights, Social Justice, and Equity.

UNIT-II

15 Hours

Globalisation, Neoliberalism, and Development

Globalization and its effects on economies, cultures, and societies. Neoliberal economic policies and their implications for social welfare. Social exclusion and inequality in the context of globalization.

Case studies: Examining the effects of neoliberal policies in different regions.

UNIT-III

15 Hours

Development Models and Strategies

Human development approach and the Human Development Index (HDI). Participatory development and community-based approaches.

Gender-sensitive development and empowerment strategies.

Rural and urban development models: Case studies and best practices.

UNIT-IV

15 Hours

Social Working Development Role of social workers in development projects: Advocacy, empowerment, and capacity-building. Needs assessment and asset-based community development. Project planning, implementation, and monitoring.

Evaluating the impact of social work interventions in development initiatives.

Suggested Readings:

- Sen, A. (1999). Development as Freedom. Oxford University Press.
- Chambers, R. (1997). Whose Reality Counts? Putting the First Last. Intermediate Technology Publications.
- Fukuda-Parr, S. (2003). The Human Development Paradigm: Operationalising Sen's Ideas on Capabilities. Feminist Economics, 9(2-3), 301-317.
- Midgley, J. (1995). Social Development: The Developmental Perspective in Social Welfare. Sage Publications.
- Desai, V., & Potter, R. B. (2002). The Companion to Development Studies. Hodder Arnold

Course Title: Statistics for Psychology	L	T	P	Cr.
Course Code: BAT4256	4	0	0	4

Total Hours: 60**Course Learning Outcomes**

1. The students will learn about statistical data analysis, enabling them to utilise this information in the research process and draw conclusions effectively.
2. Students will learn various methods of calculating correlation, which is essential for conducting correlational studies to determine relationships between variables.
3. They will also learn to apply these methods when variables are not continuous.
4. By learning t-tests and F-tests, students can compare means across different groups. They will also grasp fundamental concepts related to analysing outcomes, such as levels of significance and associated errors.

Course Content**Unit-I****15 Hours**

Correlation: Graphing correlation-the scatter diagram. A pattern of Correlation: Linear and Curvilinear; Zero, Positive, and Negative linear correlation. Correlation Coefficient: Assumptions and significance. Multiple and Partial correlation.

Unit-II**15 Hours**

Calculation of Correlation Coefficient: Product moment (Pearson's) r , Rank Difference Method (ρ). Prediction: Introduction and calculation.

Unit-III**15 Hours**

Further Correlation methods: bi-serial correlation, point bi-serial correlation, phi-coefficient, tetrachoric correlation, and partial and multiple correlation.

Unit-IV

15 Hours

Significance of Differences: Null Hypothesis, Level of Confidence, Type-I and Type-II errors. Significance of difference between two means: Large group and small group; related and independent samples; between two proportions and correlations.

Transactional Mode

Seminars, Group discussion, Team teaching, Focused group discussion, Assignments, Project-based learning, Simulations, reflection and Self-assessment

Recommended Books:

- Forshaw, M. (2007). *Early statistics in Psychology: A BPS guide*. Harper & Row.
- Mangal, S. K. (2002). *Statistics in Psychology and Education*. New Delhi, Pearson.
- Verma, J. P., Ghufraan, M. (2012). *Statistics for Psychology*. New Delhi: Tata McGraw-Hill.
- Garrett, H. E. (2005). *Statistics in Psychology & Education*. New Delhi: Paragon International Publishers.
- Kapil, H. K. (2014). *सांख्यिकीकेमूलतत्त्व*. Sri Vinod Pustak Mandir.

Course Title: Major Dramas in English Literature	L	T	P	Cr.
Course Code: BAT4257	2	0	0	2

Total Hours:30**Learning Outcomes:** After completion of this course, the learner will be able to:

1. Understand key themes such as justice, mercy, prejudice, and the complexities of human relationships
2. Examine Marlowe's treatment of the Faust legend and the conflict between medieval and Renaissance values.
3. Understand themes of the American Dream, disillusionment, and family dynamics.
4. Understand the concepts of absurdism and existentialism in modern drama.

Course Content**UNIT-I** **07 Hours**William Shakespeare: *The Merchant of Venice***UNIT-II** **08 Hours**

Christopher Marlowe: Doctor Faustus

UNIT-III **08 Hours**

Arthur Miller: Death of a Salesman

UNIT-IV **07 Hours**

Samuel Beckett: Waiting for Godot

Transaction Mode- Brainstorming, Quiz, Group Discussion, Open Talk.**Suggested readings:**

- Marlowe, Christopher. *DoctorFaustus*. Manchester University Press, 2001.
- Shakespeare, William. *The Merchant of Venice*. Maple Press, 2013.
- Beckett, Samuel. *Waiting for Godot* (Grove Press edition)
- Miller, Arthur. *Death of a Salesman* (Penguin or Methuen editions)

Course Title: Punjabi Sufi Ate Kissa Kaav	L	T	P	Cr.
Course Code: BAT4258	2	0	0	2

Total Hours:30

Learning Outcomes: ਇਹ ਕੋਰਸ ਨੂੰ ਪੂਰਾ ਕਰਨ ਉਪਰੰਤ ਵਿਦਿਆਰਥੀ:

1. ਸੂਫੀ ਕਾਵਿ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਨਗੇ।
2. ਬੁੱਲੇ ਸ਼ਾਹ ਦੇ ਜੀਵਨ ਅਤੇ ਰਚਨਾ ਬਾਰੇ ਜਾਣੂ ਹੋਣਗੇ।
3. ਕਿੱਸਾ ਕਾਵਿ ਦੇ ਵਿਕਾਸ ਪੜਾਅ ਬਾਰੇ ਜਾਣਨਗੇ।
4. ਵਾਰਿਸ ਸ਼ਾਹ ਦੇ ਜੀਵਨ ਬਾਰੇ ਜਾਣੂ ਹੋਣਗੇ।

Course Content

ਭਾਗ-ੳ

08 Hours

ਸੂਫੀਵਾਦਸਿਧਾਂਤ ਪੱਖ ਤੋਂ ਰੂਪਾਕਾਰ
ਸੂਫੀ ਮੱਤ ਦੀ ਉਤਪਤੀ ਤੇ ਵਿਕਾਸ
ਪੰਜਾਬੀ ਸੂਫੀ ਕਾਵਿ ਦੇ ਵਿਕਾਸ ਪੜਾਅ

ਭਾਗ-ਅ

07 Hours

ਬੁੱਲੇ ਸ਼ਾਹ : ਜੀਵਨ ਅਤੇ ਰਚਨਾ
ਕਲਾਮ ਬੁੱਲੇ ਸ਼ਾਹ ਸੂਫੀ ਅਨੁਭਵ ਅਤੇ ਵਿਚਾਰਧਾਰਾ
ਕਲਾਮ ਬੁੱਲੇ ਸ਼ਾਹ ਸੂਫੀ ਅਨੁਭਵ ਅਤੇ ਵਿਚਾਰਧਾਰਾ

ਭਾਗ-ੲ

08 Hours

ਕਿੱਸਾ ਕਾਵਿ ਸਿਧਾਂਤਕ ਪਰਿਪੇਖ
ਪੰਜਾਬੀ ਕਿੱਸਾ ਕਾਵਿ ਦੇ ਵਿਕਾਸ ਪੜਾਅ

ਭਾਗ-ਸ

07 Hours

ਵਾਰਿਸ ਸ਼ਾਹ ਜੀਵਨ ਤੇ ਰਚਨਾ
ਹੀਰ ਵਾਰਿਸ ਸਮਾਜ ਸੱਭਿਆਚਾਰਕ ਅਧਿਐਨ

Transaction Mode:

Lecture, Seminar, e-Team Teaching, e-Tutoring, Dialogue, Peer Group Discussion, Self-Learning, Collaborative Learning.

ਪੁਸਤਕਸੂਚੀ :

- ਜਗਜੀਤ ਸਿੰਘ ਮੱਧਕਾਲੀ ਪੰਜਾਬੀ ਕਾਵਿ, ਲੋਕ ਗੀਤ ਪ੍ਰਕਾਸ਼ਨ ਮੋਹਾਲੀ ਚੰਡੀਗੜ੍ਹ 2018
- ਡਾ ਸੁਖਦੇਵ ਸਿੰਘ (ਸੰਪਾ) ਭਾਰਤੀ ਸੂਫੀ ਪਰੰਪਰਾ ਤੇ ਸਾਹਿਤ, ਪੰਜਾਬੀ ਸਾਹਿਤ ਅਕਾਦਮੀ, ਲੁਧਿਆਣਾ
- ਡਾ ਜਗਜੀਤ ਸਿੰਘ, ਪੰਜਾਬੀ ਸੂਫੀ ਕਵਿ ਪ੍ਰਵਚਨ, ਬਲਵੰਤ ਪ੍ਰਕਾਸ਼ਨ ਜਲੰਧਰ
- ਜੀਤ ਸਿੰਘ ਸੀਤਲ, ਬੁੱਲੇ ਸ਼ਾਹ ਜੀਵਨ ਤੇ ਰਚਨਾ, ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ ਪਟਿਆਲਾ।
- ਜੀਤ ਸਿੰਘ ਸੀਤਲ, ਹੀਰ ਵਾਰਿਸ, ਨਵਯੁੱਗ ਪਬਲਿਸ਼ਰਜ਼, ਦਿੱਲੀ।

Course Title: Hindi Bhasa	L	T	P	Cr.
Course Code: BAT4259	2	0	0	2

Total Hours: 30**Learning Outcomes:** After completion of this course, the learner will be able to:

1. छात्माभाषाके स्वरूपसे पररहचत्तींगे
2. छात्माभाषाके अध्ययनक्षेत्, पररवतमनएविमानकरूपसे पररहचत्तींगे।
3. छात्बोहलयोिंके स्वरूप, मित्व, आयमभाषाके वगीकरणएविहवदेशीभाषासे शब्दग्रिणकी प्रहियासे पररहचत्तींगे।
4. छात्हलहपके स्वरूप, इहत्तास, पररवतमनएविदेवनागरीहलहपकी हवशेषतासे पररहचत्तींगे।

Course Content

भाग(क) **08 Hours**
भाषाका अिम, पररभाषा, स्वरूपहवश्लेषण और अहभलक्षण
हवभाषा: भाषा और हवभाषाका अंतर

भाग(ख) **08 Hours**
भाषाके रूप पररवतमनके कारण, हदशाएँ
भाषाका अध्ययनक्षेत्, भाषा पररवतमन और मानकताका प्रश्न
हिंिंदीभाषाकामित्वएविप्रकार

भाग(ग) **07 Hours**
सिंसारकी भाषाएँ और हिंिंदी
आधुहनक आयमभाषा और हिंिंदी: वगीकरण और सिंहक्षप्तवणमन
हिंिंदीकी ग्रामीण बोहलयाँ
हिंिंदीमें हवदेशीभाषाओंके अज्ञातशब्द

भाग(घ) **07 Hours**
हलहपका अिम, स्वरूप, मित्वएविइहत्तास
देवनागरीहलहपका हवकासएविहवशेषताएँ
हिंिंदीकी प्रमुख उपभाषाओंका पररचय

Transaction Mode:

व्याख्यान, सिंगोष्ठी, ई-िीमहशक्षण, ई-ट्यूिररिंग, सिंवाद, सिकमीसमूिचचाम, मोबाइलहशक्षण, स्व-हशक्षा, सियोगात्मकहशक्षा और सिकारीहशक्षण।

अध्ययनके लिए सहायक पुस्तक सूची:

- वमामधीरेन्द्र: हिंिंदीभाषा और हलहप, हिदुस्तानी एकेडमी, प्रयाग, 1931.
- शमामदेवन्द्रे नाि: भाषाहवज्ञानकी भूहमका, राधाकृषणप्रकाशन, दररयागिंज, नईहदWी, 2009
- रोिरा, सतीशकुमार, हिंिंदीभाषा और भाषाहवज्ञान, प्रचारकसिंिान, ल्हुरावीर, हपशाचमोशन, वाराणसी, 1976

Course Title: Complex Analysis	L	T	P	Cr.
Course Code: BAT4260	2	0	0	2

Total Hours: 30

Learning Outcomes: After completion of this course, the learner will be able to:

1. Acquire the basic ideas of analysis for complex functions in complex variables with visualization through relevant practical situations.
2. Understand the significance of differentiability of complex functions leading to the understanding of Cauchy-Riemann equations.
3. Evaluate the f Cauchy- Goursat the or contour integrals and understand the role of the Cauchy integral formula.
4. Expand some simple functions as their Taylor and Laurent series, classify the nature of singularities, find residues and apply Cauchy Residue theorem to evaluate integrals.

Course Content

UNIT-I

7 Hours

Analytic Functions and Cauchy-Riemann Equations: Functions of complex variable, Mappings; Mappings by the exponential function, Limits, Theorems on limits, Limits involving the point at infinity, Continuity, Derivatives, Differentiation formulae, Cauchy-Riemann equations, Sufficient conditions for differentiability; Analytic functions and their examples.

UNIT-II

7 Hours

Elementary Functions and Integrals Exponential function, Logarithmic function, Branches and derivatives of logarithms, Trigonometric function, Derivatives of functions, Definite integrals of functions, Contours, Contour integrals and its examples, Upper bounds for moduli of contour integrals,

UNIT-III

8 Hours

Cauchy's Theorems and Fundamental Theorem of Algebra: Antiderivatives, Proof of antiderivative theorem, Cauchy-Goursat theorem, Cauchy integral formula;

An extension of Cauchy integral formula, Consequences of Cauchy integral formula, Liouville's theorem and the fundamental theorem of algebra.

UNIT-IV

8 Hours

Series and Residues: Convergence of sequences and series, Taylor series and its examples; Laurent series and its examples, Absolute and uniform convergence of power series, Uniqueness of series representations of power series, Isolated singular points, Residues, Cauchy's residue theorem, residue at infinity; Types of isolated singular points, Residues at poles and its examples.

Transaction Mode: Video-Based Teaching, Collaborative teaching, Group Discussion, ted talks, E team Teaching, Quiz, Case analysis.

Suggested Readings:

- Brown, James Ward, & Churchill, Ruel V. (2014). Complex Variables and Applications (9th ed.). McGraw-Hill Education. New York.
- Bak, Joseph & Newman, Donald J. (2010). Complex analysis (3rd ed.). Undergraduate Texts in Mathematics, Springer. New York.
- Zills, Dennis G., & Shanahan, Patrick D. (2003). A First Course in Complex Analysis with Applications. Jones & Bartlett Publishers, Inc.
- Mathews, John H., & Howell, Rusell W. (2012). Complex Analysis for Mathematics and Engineering (6th ed.). Jones & Bartlett Learning. Narosa, Delhi. Indian Edition.
- Suggested digital platform: NPTEL/SWAYAM/MOOCs.

Course Title: Aesthetical Study of Hindustani Music	L	T	P	Cr.
Course Code: BAT4261	1	0	0	1

Total Hours:15

Course Learning Outcomes: After successful completion of this course, the students will be able to:

1. Study the texts of ancient scholars of Hindustani music.
2. Learns about the life and contribution of the composers of Hindustani music.
3. Get knowledge of Dhrupad & Dhammar styles of singing.
4. Learns to write the practical composition according to the notation system.

Course Content

UNIT-I

4 Hours

Historical development of Indian music during the 14th to 17th centuries with special reference to the Akbar period.

Origin and development of the following gayanshaillies: Dhrupad and Dhamar. Definition of the following: Khatka, kan, Murki, Andolan.

UNIT-II

4 Hours

Contributions and life sketches of the following Musicians: Pandit Onkar Nath Thakur, Pandit Krishan Rao Shanakr Pandit, Kesar Bai Kerkar. Detailed knowledge of Dhrupad and Dhamar styles of singing.

UNIT-III

4 Hours

Tanpura and SahayakNaad. Varieties of Taans. Importance of Music in Shri Guru Granth Sahib Ji.

UNIT-IV

3 Hours

Description and notation of the following ragas (Khayal) and Talas: Ragas: Asawari, Bhimplasi. Talas: Chartaal, Dhamartaal. Elementary knowledge of the Following Ragas: Jaunpuri, Dhanasri

Transection Mode: Lecture, Demonstration, Discussion. method, Project method, learning by doing method, and assignment method.

SUGGESTED READINGS

- Dr. Davinder Kaur:(1januar2017) Sangeet Roop (Part-I)
- Dr. Prem Lata Sharma:(1january2007) Sangeet Manual
- Dr. Yashpal Sharma:(1998) Gayan Kalan
- Dr. Suman Lata: Hindustani Shastrisangeet Sidhantavam Vyavhar

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Course Title: Study of Ragas-II	L	T	P	Cr.
Course Code: BAT4262	0	0	2	1

Total Hours:15

Course Learning Outcomes: After completion of this course, the learner will be able to:

1. Understand the basic Knowledge of Indian music.
2. Know about the practical composition according to the notation system.
3. Studies about the theoretical aspects of Ragas.
4. Know the importance of Taal and Lay in instrumental music.

UNIT-I**7 Hours**

One Vilambit Khayal in any of the Ragas prescribed in the course with

Unit-II**8 Hours**

One Drut khayal in each of the following Ragas with simple Alaps & Tanas:

Transaction Mode

Group Discussions, Questions, Project Based Learning, Video Based Teaching

Suggested Readings:

- Paul, Neelam (Dr) *Saras Raag Darshika*, Abhishek Publication Chandigarh.
- Thakur, Onkar Nath, *Sangeetanjali*, Sangeet Karyalaya Hathras.
- Bhatkhande, Vishnu Narayan, *Kramik Pustak Malika Sangeet Karyalaya Hathras*.
- Pataki, J.D. *Aprachalit Raags (Part I to II)*, Anubhav Publication Allahabad.
- Jha Ramashraya, *Abhinav Geetanjali*, Sangeet Karyalaya Hathras.
- Kapila, Surinder, *Sangeet Ratnavali*, Punjabi University Patiala.
- Sharma, Ganesh Parshad, *Raag Praveen*, Kanishka Publication Delhi.

Course Title: Comparative Study of Gurmat Sangeet with Classical music and Folk Music	L	T	P	Cr.
Course Code: BAT4263	1	0	0	1

Total Hours:15

Course Learning Outcomes: successful completion of this course, the students will be able to

1. Study of music in Sikhism.
2. Knowledge of the difference between Gurmat Sangeet and Indian Classical music.
3. Learn Introduction to basic Raags.
4. Play stringed instruments.

Course Content

UNIT-I

4 Hours

Technical Terminology of Shruti, Anuvaadi, Vivaadi, Kan, Meend.

Technical Terminology of Gurmat Sangeet: Gayan Shalley, Shabad Reet, Dupade, Vaar. Historical development to Rabab.

UNIT-II

4 Hours

Difference between Gurmat Sangeet and Classical music.

Difference between Gurmat Sangeet and Folk music of Punjab.

Unit-III

4 Hours

Description of prescribed Raags-Todi, Tilang, Suhi, Sarang. Description and notation of Taals-Pauri and Jhaptaal.

Unit-IV

3 Hours

Notation of Shabads in prescribed Raags. Notation of prescribed Raag on stringed instruments.

Transaction Mode: Lecture, Problem Solving, blended learning, Discussion & Demonstration

Suggested Readings

- *Adi Granth Rag Kosh by Gurnam Singh, Pritan Parmanik Parkashan, Patiala.*
- *Gurmat Sangeet by Dharam Parchar Committee, Central Yatimkhana, Sri Amritsar sahib.*
- *Gurmat Sangeet Darpan by Prof. Kartar Singh, SGPC, Amritsar.*
- *Gurmat Sangeet da Sangeet Vigyan by Dr. Varinder Kaur, Amarjit Sahit Parkashan, Patiala.*
- *Gurmat Sangeet Parampara by Prof. Manjeet Kaur, Twenty first century publications, Patiala, 2005.*
- *Gur Shabad Sangeet by Principal Sukhwant Singh, Gur Shabad Sangeet Akadmi, Jawaddi Taksal, Ludhiana.*
- *Gurmat Sangeet Terminology, by Dr. Gurnam Singh, Punjabi University, Patiala, 2012*
- *Sangeet Roop, by Dr. Devinder Kaur, Sangeetanjali Publication, Patiala.*
- *Sri Guru Granth Sahib Raag Ratnakar by Dr. Gurnam Singh, SGPC, Amritsar.*

Course Name: Practical Approach on String Instrumental Music	L	T	P	Cr.
Course Code: BAT4264	0	0	2	1

Total Hours: 15

Course Learning Outcomes: After completion of this course the learner will be able to:

1. Analyze the origin, development of Indian Musical String instruments.
2. Understanding the knowledge of Indian musical instruments.
3. Gain knowledge of musical instruments as accompaniment with Vocal forms of music.
4. Know about the classification of Indian musical instruments.

Course Content

Unit-I

8 Hours

Shabad Kirtan Performance in the prescribed Raagas Todi - one Shabad Composition

Tilang - one Shabad Composition. Suhi - one Shabad Composition. Sarang -one Shabad Composition. Maaru –one Shabad Composition.

Unit-II

7 Hours

Oneraga-based Gatton string instrument with Toras.

Ability to demonstrate the following Taals by hand in Ekgun and Duguan of prescribed Taals: Pauri and Jhaptaal.

TransactionMode: Lecture, ProblemSolving, blended learning, Discussion & Demonstration

Suggested Readings:

- *Adi Granth RagKosh by Gurnam Singh, Pvitar Parmanik Parkashan, Patiala.*
- *Gurmat Sangeet by Dharam Parchar Committee, Central Yatimkhana, Sri Amritsar sahib.*
- *Gurmat Sangeet Darpan by Prof. Kartar Singh, SGPC, Amritsar.*
- *Gurmat Sangeet da Sangeet Vigyan by Dr. Varinder Kaur, Amarjit Sahit Parkashan, Patiala.*
- *Gurmat Sangeet Parampara by Prof. Manjeet Kaur, Twenty first century publications, Patiala, 2005.*

- *Gurmat Sangeet Prabandh te Pasaar by Dr. Gurnam Singh, Punjabi University, Patiala.*
- *Gur Shabad Sangeet by Principal Sukhwant Singh, Gur Shabad Sangeet Akadmi, Jawaddi Taksal, Ludhiana*

Course Title: Yoga and Recreation	L	T	P	Cr.
Course Code: BAT4265	1	0	0	1

Total Hours: 15

Learning Outcomes: After completion of this course, the learner will be able to:

1. To enable the students, learn and understand the basic concept of Yoga.
2. To make the students technically sound for meditation and Recreation
3. To understand the concepts and techniques of Asanas
4. To understand the benefits of therapeutic asanas.

Course Content

UNIT-I

05 Hours

Meaning, Philosophy, aims and objectives of Yoga. Types of Yoga – Raja Yoga, Mantra Yoga, Bhakti Yoga, Karma Yoga. Meaning and Philosophy of Asthanga Yoga: Its eight steps – Yama, Niyama, Asana, Pranayama, Pratyahar, Dharma Dhyana, Samadhi.

UNIT-II

04 Hours

Techniques and therapeutic and general benefits of the following: i. Neti-Jal and Sutra ii. Dhauti-Dand and Vastra iii. Kalpalbhati iv. Nauli

UNIT-III

03 Hours

Asana – their major classification: (i) Meditative (ii) Relaxative and (iii) Cultural. Psycho-physiological effects of each category of asanas in general, techniques, and benefits of the following Asanas: Bhujanga, Shalabha, Dhanush, Hal. Matsya, Ushtra, Paschimottan, Vakra. Ardhamatsyendra, Chakra, Standing, baka, Mayur, Padma, Sidha, Makar Shava, Vajra and Supta Vajra.

UNIT-IV

03 Hours

Recreation, leadership, why leadership is needed? Types of leadership, qualifications and training. Facilities needed for community recreation, type of activities in recreation.

Transaction Mode:

Lecture, Seminar, e-Team Teaching, e-Tutoring, Dialogue, Peer Group Discussion,

Mobile Teaching, Self-Learning, Collaborative Learning and Cooperative Learning.

Suggested Readings:

- *Bulter, George D.: Introduction to CommUNITYRecreation, Mc Graw Hill BookCompany, Inc. New York, 1967.*
- *Domick, Hedley S.: Administration of Modern Camp, New York, Association Press.*
- *Janny, Joh, H.: Introduction to RecreationEducation, WBS Saundars Co., London, 1956.*
- *Faculty of Arts & Social Sciences (BAT24)*
- *Fitzaraid Gerald B.: Leadership to Recreation, R.S.Barnes and Company, New YoHaff, G.G and Triplett.N. (2016).*
- *Essential of Strength Training and Conditioning Human Kinetic. USA.*

Course Title: Yoga (Practical)	L	T	P	Cr.
Course Code: BAT4266	0	0	2	1

Total Hours: 15

Course Learning Outcomes: After completion of this course, the learner will be able to:

1. Demonstrate the starting and finishing techniques of asanas.
2. Contrast the rules to perform the asanas
3. Demonstrate the techniques and therapeutic benefits of Shudhi kriyas.
4. Acknowledge the basic and advanced techniques of asanas.

Course Content

Techniques and Therapeutic Benefits of Shudhi Kriyas:

Neti – Jal Neti and Sutra Neti

Dhauti – Dand Dhauti and VastraDhauti

Kapalbhati

Nauli Kriya

Asanas – Meditative, Relaxative, Cultural Asanas:

Padmasana, Sukhasana, Bhujangasana, Shalabhasana, Dhanurasana, Halasana, Matsyasana, Ushtra, Paschimottan, Vakra. Ardhmatsyendra, Chakra, Standing, baka, Mayur, Sidha, Makar Shava, Vajra and Supta Vajra asana.

Course Title: Basic of Welding Technology	L	T	P	Cr.
Course Code: BAT4267	2	0	0	2

Total Hours: 30

Learning Outcomes: After completion of this course, the learner will be able to:

1. Demonstrate knowledge of the basic principles of welding
2. Identify the different types of welding processes and their applications
3. Describe the basic safety procedures associated with welding
4. Select the appropriate welding equipment and materials for a given application

Course Content

UNIT-I

6 Hours

Introduction and definition of welding and weldability; safe working practices; elementary first aid; welding equipment, tools, accessories, electrodes and filler rods;

UNIT-II

8 Hours

types of welding joints and its applications; temporary and permanent metal joining methods; classification of welding and allied processes.

UNIT-III

8 Hours

Arc welding: equipment for arc welding, tungsten arc welding (TIG), metal arc welding (MIG), shielded metal arc welding, submerged arc welding and their applications, advantages and limitations.

UNIT-IV

8 Hours

Allied Processes: material joining processes- soldering, brazing, adhesive bonding, Surfacing and thermal spraying.

Course Title: Basic of Welding Lab	L	T	P	Cr.
Course Code: BAT4268	0	0	4	2

Total Hours:30**Course Content****List Of Practicals:**

- 1) Introduction to welding equipment.
- 2) Introduction to safety devices for welding processes.
- 3) Jigs and fixtures used during welding processes.
- 4) Basic sample preparation for welding.
- 5) Setting up of arc welding machine and accessories, and striking an arc.
- 6) Deposit straight line bead on MS plate in flat position.
- 7) Deposit bead with filler rod on MS sheet 2 mm thick in flat position.
- 8) Use arc welding to make basic welded joints (Lap and Butt joint).

List Of Recommended Books

- *Welding Engineering and Technology by Dr. R.S. Parmer, 2nd Edition, Khanna Publishers.*
- *Welding Technology and Design by V. M. Radakrishnan, New age internationals.*
- *Materials and Processes in Manufacturing by E. Paul Degarmo, J.T. Black, Ronald A. Kohser. Eighth Edition, Prentice Hall India.*
- *Elements of Workshop Technology Vol. I and II by S. K. Hajra Choudhury, A'.K.*
- *Hajra Choudhury, Nirjhar Roy, Media Promoters & Publishers Pvt. Ltd.*

Course Title: Fundamental of Nutrition and Human Development	L	T	P	Cr.
Course Code: BAT4269	2	0	0	2

Total Hours:30

Learning Outcomes: After completion of this course, the learner will be able to:

- Prepare the students to understand physiology-based courses.
- Students will get familiar with different methods of cooking.
- Acquaint students with practical knowledge of nutrient rich foods.
- Explain the need and importance of studying human growth and development across life span.

Course Content

UNIT-I

8 Hours

Introduction to Food and Nutrition

Nutrition- Definition and scope of nutrition, Relationship between nutrition and health.

Food- Meaning, Classification and function of Food

Nutrients-Macronutrients – Carbohydrates, Proteins, and Fats- Functions and sources of macronutrients, Digestion and metabolism of macronutrients, Dietary requirements and imbalances.

Micronutrients – Vitamins and Minerals-Water-soluble and fat-soluble vitamins, Major and trace minerals, Deficiency diseases and toxicity effects.

Cooking Methods- Methods, Advantages and Disadvantages Preservation of Nutrients while Cooking.

UNIT-II

6 Hours

Digestion and Absorption of Nutrients- Anatomy and physiology of the digestive system, Digestive enzymes and nutrient absorption, Factors affecting digestion.

Nutrition-Related Health Conditions: Malnutrition and undernutrition, Obesity and lifestyle diseases (diabetes, cardiovascular diseases), eating disorders and mental health links.

UNIT-III

8 Hours

Introduction to Human Development

Concept, Definition and need to study of Human Development, Domains, Stages and contexts of development, Principles of Growth and Development, Determinants of Development- heredity and environment.

Stages of Development

Prenatal Development and Birth Process, Infancy, Early Childhood (Pre School) years, Middle Childhood.

UNIT-IV

8 Hours

Stages of Development: Adolescence, Early Adulthood, Middle Adulthood, Late Adulthood

Special Topics in Human Development: Gender and sexuality, Developmental disabilities and neurodiversity, Impact of technology on human development, Resilience and coping strategies.

Suggested Readings:

- Dr. Brinda Singh, Manav Sharir evam Kriya Vigyan Panchsheel Prakashan, Jaipur;2015 ,15th Ed.
- Chatterjee, C.C, “Human Physiology” Medical Allied Agency; Vol I,II.
- Keenan, T., Evans, S., & Crowley, K. An introduction to child development, Sage (2016)
- Punita Sethi and Poonam Lakda, “Aahar Vigyan, Suraksha evam Poshan”; Elite Publishing House, New Delhi ;2015
- Sumati R Mudami, “Fundamentals of food Nutrition and Diet Therapy”, New Age International Pvt. Ltd, New Delhi, 6 th Ed. (2018)

Course Title: Fundamental of Nutrition and Human Development (Practical)	L	T	P	Cr.
Course Code: BAT4270	0	0	4	2

Total Hours:30**Course Content****Basic cooking skills**

Weighing of raw materials

Preparing of different food items before cooking

Preparation of various dishes using different methods of cooking

Boiling /steaming

Roasting

Frying – Deep/shallow

Pressure cooking

Hot air cooking/Baking

Different styles of cutting fruits and vegetables

Salad Decoration/Dressings

Preparation of nutrient rich dishes

Protein rich dish

Carbohydrate rich dish

Fat rich dish

Vitamins rich dish

Minerals

Fibers

Course Title: Indian Agriculture	L	T	P	Cr.
Course Code: IKS0009	2	0	0	2

Total Hours:30

Learning Outcomes: After completion of this course, the learner will be able to:

1. Understand the significance of agriculture and irrigation in ancient Indian texts.
2. Analyze historical accounts of Indian agriculture by Greek historians and travelers.
3. Explore ancient water management systems and advanced agricultural technologies.
4. Assess agricultural productivity in medieval and early modern India through historical reports.

Course Content

UNIT-I

7 Hours

Introduction, the significance of agriculture and irrigation as emphasised in the Ramayana, Mahabharata and other texts.

UNIT-II

7 Hours

Mention of Indian agriculture by the Greek historians and later travellers. Significance of agriculture and irrigation for the kings of Indian tradition.

UNIT-III

8 Hours

Major water bodies of ancient times. The Ery system of South India. Excellence of Indian agricultural technologies as observed by more recent European observers.

UNIT-IV

8 Hours

Productivity of Indian agriculture in medieval Thanjavur and eighteenth-century Allahabad, Chengalpattu, etc. Indian attitude towards agriculture, based on Walker and later reports.

Transactional Mode

Seminars, Group discussion, Team teaching, Focused group discussion, Assignments, Project-based learning, Simulations, reflection and Self-assessment

Suggested Readings:

- Srivastava, Vinod Chandra. History of Agriculture in India, up to c. 1200 AD. Vol. 5. Concept Publishing Company, 2008.
- Buckley, Robert Burton. The Irrigation Works of India. E. & FN Spon, 1905.
- Sunil Kumar. Agriculture in Ancient India. ShivalikPrakashan.
- Saxena, R. C., S.L. Choudhary, and Y.L. Nene. Textbook on Ancient History of Indian Agriculture. Munshiram Manoharlal Publishers.

Course Title: Punjabi Galap-I	L	T	P	Cr.
Course Code: BAT4271	2	0	0	2

Total Hours:30

Learning outcomes:

1. ਇਸਕੋਰਸਨੂੰ ਪੂਰਾ ਕਰਨ ਉਪਰੰਤ ਵਿਦਿਆਰਥੀ:
2. ਕਹਾਣੀ ਅਤੇ ਨਾਵਲ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਨਗੇ।
3. ਸ਼ਬਦਜੋੜਾਂ ਦੇ ਨਿਯਮਾਂ ਤੋਂ ਜਾਣੂ ਹੋਣਗੇ।
4. ਨਾਵਲ ਸਾਹਿਤ ਕਰੂਪ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।
5. ਆਧੁਨਿਕ ਸਾਹਿਤ ਦੇ ਕਾਵਿ-ਰੂਪ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਨਗੇ।

Course Content**ਭਾਗ-ੳ****8 hours**

ਕਥਾਸੰਸਾਰ (1960 ਤੋਂ ਪਿੱਛੋਂ ਦੀ ਪੰਜਾਬੀ ਕਹਾਣੀ ਦਾ ਸੰਗ੍ਰਹ) ਸੰਪਾ. ਡਾ. ਜਸਵਿੰਦਰ ਸਿੰਘ ਅਤੇ ਡਾ. ਗੁਰਮੁਖ ਸਿੰਘ, ਪ੍ਰਕਾਸ਼ਕ: ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ ਪਟਿਆਲਾ।

ਭਾਗ-ਅ**7 hours****ਵਿਆਕਰਨ**

ਸ਼ਬਦਜੋੜਾਂ ਦੇ ਨਿਯਮ

ਗੁਰਮੁਖੀ ਲਿਪੀ ਦੀਆਂ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ

ਭਾਗ-ੲ**7 hours**

ਨਾਵਲ : ਪਵਿੱਤਰ ਪਾਪੀ (ਨਾਨਕ ਸਿੰਘ)

ਭਾਗ-ਸ**8 hours**

ਆਧੁਨਿਕ ਸਾਹਿਤ ਰੂਪ (ਕਾਵਿ-ਰੂਪ) – ਨਜ਼ਮ, ਗੀਤ, ਗਜ਼ਲ, ਰੁਬਾਈ, ਕਵਿਤਾ, ਪਰਿਭਾਸ਼ਾ, ਪ੍ਰਕਿਰਤੀ ਅਤੇ ਤੱਤ

Transaction Mode: Lecture, Seminar, e-Team Teaching, e-Tutoring, Dialogue, Peer Group Discussion, Self-Learning, Collaborative Learning.

ਪ੍ਰਸਤਾਵਿਤ ਸਰੋਤ:

- ਬਲਦੇਵ ਸਿੰਘ ਧਾਲੀਵਾਲ, ਪੰਜਾਬੀ ਕਹਾਣੀ ਦਾ ਇਤਿਹਾਸ, ਪੰਜਾਬੀ ਅਕਾਦਮੀ ਦਿੱਲੀ।
- ਬੂਟਾ ਸਿੰਘ ਬਰਾੜ, ਪੰਜਾਬੀ ਵਿਆਕਰਨ: ਸਿਧਾਂਤ ਤੇ ਵਿਹਾਰ, ਚੇਤਨਾ ਪ੍ਰਕਾਸ਼ਨ, ਲੁਧਿਆਣਾ
- ਸੁਖਵਿੰਦਰ ਸਿੰਘ ਸੰਘਾਂ, ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਵਿਗਿਆਨ, ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਕਾਦਮੀ, ਜਲੰਧਰ
- ਰਤਨ ਸਿੰਘ ਜੱਗੀ, ਸਾਹਿਤ ਤੇ ਰੂਪ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।
- ਰਜਿੰਦਰ ਪਾਲ ਸਿੰਘ ਬਰਾੜ ਤੇ ਬਲਦੇਵ ਸਿੰਘ ਚੀਮਾ, ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਸਾਹਿਤ ਰੂਪਾਕਾਰ : ਰੂਪਾਂਤਰਣ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।
- ਟੀ. ਆਰ. ਵਿਨੋਦ, ਨਾਵਲ ਆਲੋਚਨਾ ਸ਼ਬਦਾਬਲੀ ਕੋਸ਼, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।

Course Title: Hindi (हिंदीभाषाकाव्यावहारिकव्याकरण)	L	T	P	Cr.
Course Code: BAT4272	2	0	0	2

Total Hours: 30

Course Learning outcome: विद्यार्थियोंको हिंदीभाषाके व्याकरणिक अंगों जैसे संज्ञा, सर्वनाम, क्रिया, विशेषण, वाक्य, काल आदिकी गहरी समझ प्रदान करना।

हिंदीमें स्पष्ट, शुद्ध और प्रभावशाली रूप से बोलने, लिखने, सुनने तथा पढ़ने की क्षमता का विकास करना।

व्याकरणके नियमोंको दैनिक जीवनकी भाषामें व्यावहारिक रूप से लागू करना।

सही व्याकरणिक संरचनाके माध्यम से रचनात्मक लेखन (निबंध, पत्र, संवाद आदि) में परिपक्वता लाना।

इकाई 1: भाषा और व्याकरण**08 Hours**

भाषा की परिभाषा एवं विशेषताएँ

व्याकरण की परिभाषा, महत्त्व, भाषा और व्याकरण का अंतःसंबंध

ध्वनि, वर्ण एवं मात्राएँ

इकाई-2: शब्द परिचय**08 Hours**

शब्दों के भेद तत्सम, तद्भव, देशज, विदेशी (स्रोत के आधार पर)

शब्दों की व्याकरणिक कोटियाँ (संज्ञा, सर्वनाम, क्रिया आदि)

(केवल परिभाषा एवं भेद)

शब्दगत अशुद्धियाँ

इकाई-3: व्याकरण-व्यवहार**07 Hours**

लिंग, वचन, कारक

संधि और समास

मुहावरे एवं लोकोक्तियाँ

इकाई-4: वाक्य परिचय**07 Hours**

वाक्य के अंग उद्देश्य और विधेय

वाक्य के भेद (रचना के आधार पर)

वाक्यगतअशुद्धियों

सहायकग्रंथ

हिंदीभाषाकाइतिहासधीरेंद्रवर्मा

भारतीयपुरालिपिडॉ. राजबलीपाण्डेय (लोकभारतीप्रकाशन)

हिंदीभाषाकाउद्गमऔरविकासउदयनारायणतिवारी

हिंदीभाषाकीपहचानसेप्रतिष्ठातकडॉ. हनुमानप्रसादशुक्ल

लिपिकीकहानीगुणाकरमुले

Course Title: English Literature and Language Skills	L	T	P	Cr.
Course Code: BAT4273	2	0	0	2

Total Hours: 30

Course Learning Outcomes: After completion of this course, the learner will be able to:

1. Critically analyse and interpret the themes of civilization versus savagery, leadership, human nature and social breakdown in the selected text.
2. Understand the socio-political and cultural context of 1950s Britain, including class tensions, gender dynamics, and the decline of the British Empire.
3. Improve grammatical and syntactical skills.
4. Learn to comprehend unseen passages and poems from a critical standpoint.

Course Content

UNIT-I **10 hours**

1. William Golding-Lord of the Flies

UNIT-II **07 hours**

John Osborne: Look Back in Anger

UNIT-III **06 hours**

2. Reading Skills
3. Comprehension of Unseen Passage (Poetry and Prose)

UNIT-IV **07 hours**

4. Vocabulary:
5. Synonym
6. Proverb

TRANSACTION MODE- Brain Storming, Quiz, Group Discussion, Open Talk.

SUGGESTED READINGS:

- Wilfred D. *The Student's Companion*. The Pearson Education, 1983.

- Eastwood, John. *Oxford Practice Grammar*. OUP, 2004.
- Roget, Peter Mark. *Roget's Thesaurus of English Words and Phrases*. Penguin, 2014.
- Mieder, Wolfgang, et al. *A Dictionary of American Proverbs*. Oxford University Press, 1992.
- Golding, William. *Lord of the Flies*. Penguin Books, 1954.
- Harris, Sandra. *Unlocking the Text: A Reading Skills Handbook*. Cambridge University Press, 2008.
- Osborne, John. *Look Back in Anger*. Faber & Faber or Penguin Classics editions are commonly used in academic settings.

Semester V

Course Title: History of World	L	T	P	Cr.
Course Code: BAT5300	4	0	0	4

Total Hours: 60

Learning Outcomes: After completion of this course, the learner will be able to:

1. Analyse the Renaissance and reformation of Europe.
2. Discuss the rise of nationalism in Europe.
3. Understand the causes of various revolutions especially French and Russian revolutions occurred in the Europe.
4. Evaluate the causes of Second World War and the formation of UNO.

Course Content**UNIT-I****15 Hours**

Rise of Modern Age: Renaissance and Reformation.
 French Revolution of 1789: its causes and effects,
 Napoleon; His reforms, causes of his downfall.

UNIT-II**15 Hours**

Congress of Vienna, rise of Nationalism in Europe, Italy and Germany
 Crimean War: Causes and effects.

UNIT-III**15 Hours**

Industrial Revolution and its effects.
 The Russian Revolution of 1917: causes and significance.
 Causes and consequences of the First World War, important treaties,
 Rise of Facism and Nazism

UNIT-IV**15 Hours**

Causes and Consequences of the Second World War, important treaties
 Chinese Revolution of 1949: its causes and effects, UNO and the World Peace

Transaction Mode:

Lecture, Group Discussion, Quiz, Open Talk, Self-study, Assignment.

Suggested Readings:

Text Books:

- Palmer, R. (2007). *A History of the Modern World*. McGraw-Hill.
- *A History of Modern World Since 1800* (2020) by Kenneth J. Hagan. Oxford University Press.
- *The Making of the Modern World: A Global History* (Volume 2: Since 1760) (2016) by Kenneth Pomeranz & Linda Colley. W. W. Norton & Company.
- *The Norton Anthology of World History* (Volume 2: Since the 16th Century) (2019) edited by Peter Stearns et al. W. W. Norton & Company. (This is an anthology with primary source documents and excerpts)
- *Global Interactions in World History* (2019) by Bentley & Ziegler. Pearson Education Limited.
- *A Concise Global History* (2017) by Melvin P. Leffler. Oxford University Press.

Reference Books:

- Lindemann, A. S. (2013). *A history of modern Europe: From 1815 to the present*. Chichester, West Sussex; Malden, MA : Wiley-Blackwell.
- Hazen, C. D. (1917). *Modern European history*. [New York, H. Holt and Company].
- Palmer, R. (2007). *A history of the modern world*. McGraw-Hill.
- Thompson, W. R. (2013). *The Cambridge history of European thought, 1715-1815*. Cambridge University Press.
- Hobsbawm, E. J. (1995). *The age of extremes: A history of the world, 1914-1991*. Vintage Books.

Course Title: Development Economics	L	T	P	Cr.
Course Code: BAT5301	4	0	0	4

Total Hours: 60

Course Learning Outcomes: After completion of this course, the learner will be able to:

1. Understanding of the basic concept of growth and development.
2. Elaborate the major growth theories.
3. Analyze the basic theories of development
4. Explain the sources and strategies of Capital Formation and price Mechanism

Course Content

UNIT-I

15 Hours

Economic Development: Meaning and measurement, Economic and Non-Economic Factors, Nature and characteristics of an Underdeveloped Economy, Determinants of Economic Development, Nurkse Theory of Disguised Unemployment, Lewis Theory of Unlimited Supply of Labor

UNIT-II

15 Hours

Growth Model: Classical, Marxian, and Schumpeter's Model. Neoclassical Model of growth (Harrod Domar Model), Poverty and Development: Amartya Sen's View, Beninjee's Action Approach.

UNIT-III

15 Hours

Strategies of Economic Development: Balanced vs Unbalanced Growth, Theory of Big-Push, Rostow's Theory of Stages of Growth, Leibenstein's Critical Minimum Efforts Thesis.

UNIT-IV

15 Hours

Capital Formation: Meaning and Sources. Planning: types, Need, Objectives, Strategies and Problems. Choice of Technique.

Transaction Mode

Verbal Exposition, Teacher Talk, Classroom Discussion, Questioning and Answering, Learner Participation, use of ICT tools etc.

Suggested Readings

- Ray, D. (2009). *Development Economics*. Oxford University Press.
- Partha Dasgupta, P. (2007). *Economics. A Very Short Introduction*. Oxford University Press, 2007.
- Banerjee, A. Roland, B and Dilip, M. (2006). *Understanding Poverty*. Oxford University Press.
- Amartya, S. (2000). *Development as Freedom*. OUP.
- Daron, A and James, R. (2006). *Economic Origins of Dictatorship and Democracy*. Cambridge University Press.
- Robert, P. (1994). *Making Democracy Work: Civic Traditions in Modern Italy*, Princeton University Press.
- G.M. Meier (Ed.): *Leading Issues in Development Economics*, Oxford University Press, New York, 1964, pp. 3-47, 231-265, 464-496.
- W.W. Rostow: *Stages of Growth*, Cambridge University Press, 1991, pp. 1-92.
- Benjamin Higgins: *Economic Development, Principles, Problems and Policies*, Central Book Depot, Allahabad, 1966, pp. 3-24, 85-143.

Course Title: Religion and Philosophy of Religion	L	T	P	Cr.
Course Code: BAT5302	4	0	0	4

Total Hours:60

Learning Outcomes: After completion of this course, the learner will be able to:

1. Understand that the philosophy of religion is the philosophical examination of the central themes and concepts involved in religious traditions.
2. Learn an ancient discipline, found in the earliest known manuscripts concerning philosophy, and relates to many other branches of philosophy, including metaphysics, epistemology, and ethics.
3. Know that the philosophy of religion differs from religious philosophy in that it seeks to discuss questions regarding the nature of religion as a whole.
4. Understand the philosophy of the religion.

Course Content

Unit- 1

15 Hours

ਪ੍ਰਾਚੀਨ ਧਰਮ

ਪ੍ਰਾਚੀਨ ਮਨੁੱਖ ਅਤੇ ਉਸਦਾ ਧਰਮ :- ਕੁਦਰਤ ਦੀ ਕਰੋਧੀ, ਧਰਮ ਦਾ ਆਰੰਭ

ਮੁੱਢਲੇ ਧਾਰਮਿਕ ਵਿਸ਼ਵਾਸ :- ਐਨੀਮਿਜ਼ਮ, ਮਾਨਾ, ਟੋਟਮਵਾਦ

ਧਰਮਿਕ ਪ੍ਰਗਟਾਵੇ :- ਜਾਦੂ, ਮਿੱਥ, ਟੈਬੂ।

Unit-II

15 Hours

ਧਰਮ ਦੀ ਪ੍ਰਕਿਰਤੀ

ਧਰਮ ਦੀ ਪਰਿਭਾਸ਼ਾ ਅਤੇ ਸਰੂਪ

ਧਰਮ ਦਰਸ਼ਨ :- ਪਰਿਭਾਸ਼ਾ

ਧਰਮ ਅਤੇ ਨੈਤਿਕਤਾ : ਪਰਿਭਾਸ਼ਾ ਅਤੇ ਸੰਬੰਧ

Unit – III

15 Hours

ਧਰਮ ਸੰਸਕਾਰ

ਧਰਮ-ਸੰਸਕਾਰ :- ਪਰਿਭਾਸ਼ਾ

ਜਨਮ ਅਤੇ ਪ੍ਰਵੇਸ਼ ਸੰਸਕਾਰ

ਮ੍ਰਿਤਕ ਸੰਸਕਾਰ

Unit – IV

15 Hours

ਧਰਮ ਉਦੇਸ਼

ਧਰਮ ਦਾ ਵਿਆਕਤੀਗਤ ਉਦੇਸ਼

ਪਰਿਵਾਰਗਤ ਉਦੇਸ਼: ਵੱਖ-ਵੱਖ ਧਰਮਾਂ ਅਨੁਸਾਰ

ਧਰਮ ਦਾ ਸਮਾਜਗਤ ਉਦੇਸ਼:- ਜੀਵਨ ਵਿਚ ਧਰਮ ਦੀ ਭੂਮਿਕਾ

- ਟ੍ਰਾਜੈਕਸ਼ਨਮੋਡ: ਲੈਕਚਰ, ਸਮੱਸਿਆਹੱਲ, ਮਿਸ਼ਰਤਸਿਖਲਾਈ, ਚਰਚਾਅਤੇਪ੍ਰਦਰਸ਼ਨਅਤੇਕੇਸਅਧਿਐਨ।
- ਸਹਾਇਕਪੁਸਤਕਾਂ:-
- ਡਾ. ਸਾਤੀਨਾਥਗੁਪਤਾ, ਧਰਮਦੀਉਤਪਤੀਤੇਵਿਕਾਸ, ਪੰਜਾਬੀਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।
- ਡਾ. ਗੁਰਬਚਨਸਿੰਘਤਾਲਿਬ, ਧਰਮਦਰਸ਼ਨ, ਧਰਮਦੀਉਤਪਤੀਤੇਵਿਕਾਸ, ਪੰਜਾਬੀਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।
- ਡਾ. ਜੋਧਸਿੰਘ, ਧਰਮਦਾਦਾਰਸ਼ਨਿਕਪੱਖ:- ਡਾ. ਅਨੰਦਸਪੈਂਸਰ, ਡਾ. ਹਰਪਾਲਸਿੰਘਪੰਨੂ, ਪੰਜਾਬੀਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।
- ਡਾ. ਵਜੀਰਸਿੰਘਧਰਮਅਧਿਐਨ-ਅਕਾਦਮਿਕਪਰਿਪੇਖ: ਧਰਮਦਾਦਾਰਸ਼ਨਿਕਪੱਖ:- ਪੰਜਾਬੀਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।
- ਡਾ. ਜੋਧਸਿੰਘ, ਡਾ. ਅਨੰਦਸਪੈਂਸਰ, ਡਾ. ਹਰਪਾਲਸਿੰਘਪੰਨੂ, ਧਰਮਅਧਿਐਨ-ਅਕਾਦਮਿਕਪਰਿਪੇਖ, ਪਬਲੀਕੇਸ਼ਨਬਿਊਰੋ, ਪੰਜਾਬੀਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।
- ਡਾ. ਦਰਸ਼ਨਸਿੰਘ, ਧਰਮਅਧਿਐਨਅਤੇਸਿੱਖਅਧਿਐਨ, ਪਬਲੀਕੇਸ਼ਨਬਿਊਰੋ, ਪੰਜਾਬੀਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।
- ਡਾ. ਗੁਰਬਚਨਸਿੰਘਤਾਲਿਬ, ਧਰਮਦੀਉਤਪਤੀਤੇਵਿਕਾਸ, ਪਬਲੀਕੇਸ਼ਨਬਿਊਰੋ, ਪੰਜਾਬੀਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।

Course Code: BAT5303	4	0	0	4
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Total Hours: 60

Learning Outcomes: After completion of this course, the learner will be able to:

1. Explain the historical events that took place at the international level
2. Discuss the Role of United Nations Organization in contemporary international system.
3. Categorize International Relations Approaches.
4. Identify the key international actors that shaped the international political system.

Course Content

Unit I **15 hours**

1. International Relation: Meaning, Nature and Scope
2. Historical Foundations of International Relations
3. National Power: Elements, Kinds and Methods.

Unit II **16 hours**

4. Cold War in International Politics.
5. Uni-Polar, Bi-Polar and Multi-Polar System.

Unit III **15 hours**

6. UNO: Organs, Objective, Principals and Importance as an international Organization
7. International Organizations: WTO, IMF, World Bank
8. Collective Security as a Instrument to Maintain International Security.

Unit IV **14 hours**

9. Globalization Relevance and its Discontents
10. Nature of New Emerging World Order.

Transaction Mode

Lecture, Group Discussion, Quiz, Open Talk, Self-study, Assignment

SUGGESTED READINGS

- Waltz Kenneth & Neal. Man. (2001). *The state, and war: A theoretical analysis*. Columbia University Press.
- Mearsheimer, John J. (2001.) *The tragedy of great power politics*. WW Norton & Company.
- Rosecrance, Richard. (1996). *The Clash of Civilizations and the Remaking of World Order*. By Samuel P. Huntington. New York: Simon and Schuster.
- Waltz, Kenneth N. (2010). *Theory of international politics*. Waveland Press.
- Kissinger, Henry. (1994). *Diplomacy*. Simon and Schuster.
- Slaughter, Anne-Marie. (2009). *A new world order*. Princeton University Press.
- NCERT text book, <http://ncert.nic.in/textbook/pdf/leps101.pdf>
- Andre Gunder Frank. (1977). *Dependence is Dead, Long Live Dependence and the Class Struggle: An Answer to Critics*, World Development.
- Barry Buzan and Ole Weaver (2003). *Regions and Powers: The Structure of International Security*, Cambridge, Cambridge University Press.
- Dhirenda Dwivedi. (2005). *Collective Security under United Nations*, New Delhi: Kanishka.
- Francis Fukuyama. (1992). *The End of History and the Last Man*, New York: Avon, G.K. Caidhha (ed.), *WTO and the Indian Economy*, New Delhi.
- Hedley Bull. (1995). *The Anarchical Society: A Study of Order in World Politics*, 2nd edn., London : Macmillan.
- James Lee Ray & Juliet Kaarbo. (2005). *Global Politics*, Boston: Houghton Mifflin Company.
- John Baylis and Steve Smith. (2001). *The Globalization of World Politics: An Introduction to International Relation*, Oxford University Press.
- Ghai U. R. Indian. (2009). *Political System*, New Delhi.
- Burton, John (1990). *Conflict: Resolution and Prevention* (London: Macmillan).

Course Code: BAT5304	4	0	0	4
Total Hours:60				

Learning Outcomes: After completion of this course, the learner will be able to:

1. Comprehend the process of socialization, its agencies and major theories.
2. Familiarize with the theories of social evolution.
3. Elucidate the concept, nature and dimensions of personality
4. Define the perspectives of Emile Durkheim and Mahatma Gandhi.

Course Content

UNIT- 15 Hours

Positivism: Comte's Law of three stages, Social Static & Dynamics,
Evolutionism- Spencer's Evolutionary Approach,

UNIT-II 15 Hours

Emile Durkheim: Division of Labour, Social Fact, Religion, Suicide

UNIT-III 15 Hours

Karl Marx: Dialectical Materialism, Theory of Class Struggle, Alienation,

UNIT-IV 15 Hours

Max Weber: Ideal Type, Verstehen, Bureaucracy, Types of Authority

Transaction Mode:

Lecture, Problem Solving, blended learning, Discussion & Demonstration.

Suggested Readings:

- Abraham, F and Morgan J.H. 1985. Sociological Thought. Delhi: MacMillanIndia.
- Haralambos, M.1998. Sociology: Themes and Perspectives. New Delhi: Oxford University Press.
- Jammu, P.S. and Bhatnagar, G.S. (eds). 1989. SamajVigyanikSidhant (SamajikVigyanPattar No. 26, 27, 28). Punjabi University, Patiala.
- Abraham, Francis. 1982. Modern Sociological Theory. Delhi: Oxford UniversityPress.
- Aron, R. 1965. Main Currents in Sociological Thought, Vol- (1 & 2) London: Penguin Books.

- Gandhi, M.K. 1946. Hind Swaraj or Indian Home Rule.Ahmedabad: Navajivan.
- Timasheff, N.S. and Theodorson, G. 1976. Sociology Theory, New York: Random House.
- Mann, Michael(ed) 1994. Macmillan Student Encyclopedia of Sociology.London: Macmillan Press.
- Zeitlin, I.M. 1969. Ideology and the Development of Sociological Theory. NewDelhi: Prentice Hal.

Course Title: HIV and Family Education	L	T	P	Cr.
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Course Code: BAT5305	4	0	0	4
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Total Hours: 60

Course Learning Outcomes: After completion of this course, the learner will be able to:

1. To develop a basic understanding about HIV/AIDS
2. To develop an understanding about prevention and treatment of HIV/AIDS
3. To understand the importance of Social Work interventions in public health, especially while working with people suffering from HIV/AIDS.

Course Content:

Unit I

15 hours

Introduction To Public Health:

Definition and Meaning, Changing Concepts of Public Health, HealthCare Revolution. History of the Public Health Care System in India.

Unit II

15 hours

BASICS OF HIV/ AIDS: Immune System of the Body, Profile of HIV and AIDS,

Natural History of HIV/AIDS, HIV Infection, and STDs.

Unit III

15 hours

Myths and Misconceptions Related to Transmission of HIV/AIDS/STDs,

Misconceptions Related to Traditional and Cultural Practices, Misconceptions

Related to Care, Treatment, and Rehabilitation. Policies related to the eradication of HIV/AIDS

Unit IV

15 hours

Social Work Intervention for the Prevention and Control of HIV/AIDS in India

Context. Prevention strategies and its effectiveness,

Targeted Intervention for High-Risk Group.

TRANSACTION MODE: Brainstorming, Quiz, Group Discussion, Open Talk.

Suggested Readings:

- *Assessment of knowledge and attitudes of medical, nursing and medical technologist students: Teaching and Learning in Medicine: Vol. 4 (3), 156-161.*
- Avins, A.L., Woods, W.J., Lindan, C.P. and others (1994), *HIV infection and risk, Behaviours among heterosexuals in alcohol treatment programmes.*
- Journal of the American Medical Association; 271: 515-518: In what are the Substance Abuse Prevention Needs? AIDSPrevention Studies, University of California, Internet.
- Brown, L., DiClemente, R.; Beausoleil, N. (1992): *Comparison of HIV knowledge, Attitudes, Intentions and Behaviours among sexually active and abstinent young Adolescents*, Journal of Adolescent Health, 13: 140-145.
- Bruce, L. (1989), AIDS ruling helps the falsely accused. New York Times (11/8/89)Information Inc. CDC, National AIDS Clearinghouse, Internet.

Course Title: Counselling Psychology	L	T	P	Cr.
Course Code: BAT5306	4	0	0	4

Total Hours: 60**Course Learning Outcomes**

1. This course will introduce students to another applied field of psychology, guidance and counselling, one of the most career-focused areas in psychology.
2. Students will comprehend the societal needs and requirements of guidance and counselling programs.
3. They will learn the fundamental steps of these programs and the conditions under which particular programs are conducted.
4. Learning to measure fundamental psychological constructs such as personality, intelligence, aptitude, and interests is essential for planning guidance programs.

Course Content**Unit-I****13 Hours**

Guidance: Nature and scope; Areas of guidance, Implementation of the guidance program.

Unit-II**16 Hours**

Techniques of guidance: Individual vs. group; problems of guidance; evaluation of guidance services.

Unit-III**14 Hours**

Psychological basis of guidance: Intelligence test, aptitude test, Interest test, personality test.

Unit-IV**17 Hours**

Counselling: Nature and scope; Areas of counselling, Skills of a counsellor, various issues in counselling. Counselling process; special forms of counselling; guidance and counselling for students.

Transactional Mode

Video-Based Teaching, Collaborative Teaching, Dialogue, Group Discussion, Brainstorming, Peer Teaching Demonstration, Project-Based Learning, Team Teaching.

Recommended Books:

- Rai, A.N., & Asthana, M. (2017). *Nirdeshanevamparamarsh: Sampratyaykshetraevamupagam*. New Delhi: Motilal Banarasidas.
- Gladding, S. T. (2018). *Counselling*. Pearson Education.
- Bhatnagar, A., & Gupta, N. (1999). *Guidance & Counselling: Practical* (Vol I & II). New Delhi: Vikas Publishing House.
- Chauhan, V., & Jain., K. (2004). *Nirdeshan Evam Prammarsh*. Udaipur: Ankur Prakashan

Course Title: British English Literature	L	T	P	Cr.
Course Code: BAT5307	2	0	0	2

Total Hours:30**Learning Outcomes:** After completion of this course, the learner will be able to:

1. Critically analyse and interpret the themes of Modernism, spiritual decay, futility of life, time and memory in the selected text.
2. Critically analyse and interpret the themes of power and corruption, idealism versus reality, and language and propaganda In the selectedtext.
3. Critic ally analyses and, marriage, religion and morality in the selected text.
4. Criticallyanalyse andinterpret thethemes ofdystopia andtotalitarianism,technologyanddehumanization,conformityand rebellion in the selected text.

Course Content**UNIT-I** **08 Hours***TheWasteLand*byT.S.Eliot**UNIT-II** **08 Hours***Nineteen Eighty-Four*byGeorgeOrwell**UNIT-III** **07 Hours***JudetheObscure*–ThomasHardy**UNIT-IV** **07 Hours***BraveNewWorld*-AldousHuxle**Transaction Mode:**

Brain Storming, Quiz, Group Discussion, Open Talk.

SuggestedReadings:

- Abrams, M.H. *A Glossary of Literary Terms*. Cengage Learning India, 2015.
- Eliot,T.S.*TheWasteLand*.BenedictionPress,2011.
- Hardy,Thomas.*JudetheObscure*.PenguinBooks,2003.
- Orwell, George. *Nineteen Eighty-Four*. (Penguin Modern Classics, Harvill Secker, or Everyman's Library edition)
- Huxley, Aldous.*BraveNewWorld*.VintageClassics,2000

Course Title: Punjabi Galap-II	L	T	P	Cr.
Course Code: BAT5308	2	0	0	2

Total Hours:30

Learning outcomes:

1. ਇਸਕੋਰਸਨੂੰ ਪੁਰਾਕਰਨ ਉਪਰੰਤ ਵਿਦਿਆਰਥੀ:
2. ਕਹਾਣੀ ਅਤੇ ਨਾਵਲ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਨਗੇ।
3. ਸ਼ਬਦ ਜੋੜ ਦੇ ਨਿਯਮਾਂ ਤੋਂ ਜਾਣੂ ਹੋਣਗੇ।
4. ਨਾਵਲ ਸਾਹਿਤ ਕਰੂਪ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।
5. ਆਧੁਨਿਕ ਸਾਹਿਤ ਦੇ ਕਾਵਿ-ਰੂਪ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਨਗੇ।

Course Content

ਭਾਗ-ੳ

09 hours

ਕਥਾਸੰਸਾਰ (1960 ਤੋਂ ਪਿੱਛੋਂ ਦੀ ਪੰਜਾਬੀ ਕਹਾਣੀ ਦਾ ਸੰਗ੍ਰਹ) ਸੰਪਾ. ਡਾ. ਜਸਵਿੰਦਰ ਸਿੰਘ ਅਤੇ ਡਾ. ਗੁਰਮੁਖ ਸਿੰਘ, ਪ੍ਰਕਾਸ਼ਕ: ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ ਪਟਿਆਲਾ।

ਭਾਗ-ਅ

06 hours

ਵਿਆਕਰਨ

ਸ਼ਬਦ ਜੋੜ ਦੇ ਨਿਯਮ

ਗੁਰਮੁਖੀ ਲਿਪੀ ਦੀਆਂ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ

ਭਾਗ-ੲ

06 hours

ਨਾਵਲ : ਪਵਿੱਤਰ ਪਾਪੀ (ਨਾਨਕ ਸਿੰਘ)

ਭਾਗ-ਸ

09 hours

ਆਧੁਨਿਕ ਸਾਹਿਤ ਰੂਪ (ਕਾਵਿ-ਰੂਪ) – ਨਜ਼ਮ, ਗੀਤ, ਗਜ਼ਲ, ਰੁਬਾਈ, ਕਵਿਤਾ, ਪਰਿਭਾਸ਼ਾ, ਪ੍ਰਕਿਰਤੀ ਅਤੇ ਤੱਤ

Transaction Mode: Lecture, Seminar, e-Team Teaching, e-Tutoring, Dialogue, Peer Group Discussion, Self-Learning, Collaborative Learning.

ਪੁਸਤਕਸੂਚੀ:

- ਬਲਦੇਵ ਸਿੰਘ ਧਾਲੀਵਾਲ, ਪੰਜਾਬੀ ਕਹਾਣੀ ਦਾ ਇਤਿਹਾਸ, ਪੰਜਾਬੀ ਅਕਾਦਮੀ ਦਿੱਲੀ।
- ਬੂਟਾ ਸਿੰਘ ਬਰਾੜ, ਪੰਜਾਬੀ ਵਿਆਕਰਨ: ਸਿਧਾਂਤ ਤੇ ਵਿਹਾਰ, ਚੇਤਨਾ ਪ੍ਰਕਾਸ਼ਨ, ਲੁਧਿਆਣਾ
- ਸੁਖਵਿੰਦਰ ਸਿੰਘ ਸੰਘਾਂ, ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਵਿਗਿਆਨ, ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਕਾਦਮੀ, ਜਲੰਧਰ
- ਰਤਨ ਸਿੰਘ ਜੱਗੀ, ਸਾਹਿਤ ਤੇ ਰੂਪ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।
- ਰਜਿੰਦਰ ਪਾਲ ਸਿੰਘ ਬਰਾੜ ਤੇ ਬਲਦੇਵ ਸਿੰਘ ਚੀਮਾ, ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਸਾਹਿਤ ਰੂਪਾਕਾਰ : ਰੂਪਾਂਤਰਣ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।
- ਟੀ. ਆਰ. ਵਿਨੋਦ, ਨਾਵਲ ਆਲੋਚਨਾ ਸ਼ਬਦਾਬਲੀ ਕੋਸ਼, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।

Course Title: Sahitya Sarani - Hindi Literature	L	T	P	Cr.
Course Code: BAT5309	2	0	0	2

Total Hours:60**Learning Outcomes:** After completion of this course, the learner will be able to:

1. छात्तुत्तरछायावादीचेतनासे अवगतिंिंगें।
2. छात्तुमिकके स्वरूपस्वरूप और काव्यचेतनासे पररहचतिंिंगें।
3. छात्तुगद्यकाव्यके स्वरूपसे पररहचतिंिंगे।
4. छात्तोिंको आत्मकिाजीवनीके स्वरूपका ज्ञानिगा।

भागक-I**15 Hours**

उत्तरछायावाद: नवीनप्रवृहतयोिंका सिंिमण
 रामधारीहसिंहदनकर: कहव औरचाँद, कहलिंगहवजय

भागख-II**15 Hours**

हमिकीयकाव्य और युगीनसिंवेदना
 नरेशमेिता: मिाप्रान

भागग-III**15 Hours**

गद्यकाव्य: अिमएविंस्वरूप
 माखनलालचतुवेदी: साहित्यदेवता

भागघ-IV**15 Hours**

आत्मकिा: स्वरूपहवश्लेषण
 कमलेश्वर: जलतीुईनदी (1999)
 जीवनी: अिमएविंस्वरूप
 हवश्वनाहिहत्पाठी: व्योमकेशदरवेश (२०११)

Transaction Mode:

व्याख्यान, सिंगोष्ठी, ई-िीमहशक्षण, ई-ट्यूिररिंग, सिंवाद, सिकमीसमूिचचाम, मोबाइलहशक्षण, स्व-हशक्षा, सिंयोगात्मकहशक्षा और सिकारीहशक्षण।

अध्ययनकेलिएसहायकपुस्तकसूची:

- नवलनन्दहकशोर: उत्तरछायावाद और रामगोपालशमामरूद्र, प्रकाशनसिंिान, दररयागिंज, नईहदWी, 2015
- चतुवेदीमाखनलाल: ग्रन्थावली, वाणीप्रकाशन, दररयागिंज, नईहदWी, 2010
- कुमारतरुण: हदनकररचनावली, लोकभारतीप्रकाशन, राजकमलप्रकाशनसमूि, नईहदWी, 2018.
- हसिंिकमलेशआत्मकाि: स्वरूप और साहित्य, नेशनलपब्लिहशिंगिँउस, दररयागिंज, नई, हदWी, 1986
- कमलेश्वर: जलतीुईनदी, राजपालएडसिंस, कश्मीरीगेि, हदWी 2016
- हत्पाठीहवश्वनाि: व्योमकेशदरवेश, राजकमलप्रकाशन, हदWी, 20

Course Title: Real Analysis	L	T	P	Cr.
Course Code: BAT5310	2	0	0	2

Total Hours:30

Learning Outcomes: After completion of this course, the learner will be able to:

1. Recognize bounded, convergent, divergent, Cauchy and monotonic sequences and to calculate their limits superior, limit inferior, and the limit of a bounded sequence.

2. Apply the ratio, root, alternating series and limit comparison tests for convergence and absolute convergence, comparison test, Cauchy's root Test, ratio Test, Rabbe's of an infinite series of real numbers.

3. Equipped with the knowledge of improper integrals, and their convergences, convergence and uniform convergence of sequences.

4. Utilize the analytic and technical skills necessarily at practical field and analyse the real analysis for further higher studies.

Course Content

UNIT-I

08 Hours

Continuity and Differentiability of functions: Continuity of functions, Uniform continuity, Differentiability, Taylor's theorem with various forms of remainders. Integration: Riemann integral-definition and properties, integrability of continuous and monotonic functions, Fundamental theorem of integral calculus, Mean value theorem of integral calculus.

UNIT-II

08 Hours

Sequence and Series: Sequences, theorems on limit of sequences, Cauchy's convergence criterion, infinite series, series of non-negative terms, Absolute convergence, tests for convergence, comparison test,

Cauchy's root Test, ratio Test, Rabbe's, Logarithmic test, De Morgan's Test, Alternating series, Leibnitz's theorem.

UNIT-III

07 Hours

Improper Integrals: Improper integrals and their convergence, Comparison test, Dirichlet's test, Absolute and uniform Weierstrass M-Test, Infinite integral depending on a parameter.

UNIT-IV

07 Hours

Uniform Convergence: Point wise convergence, Uniform convergence, Test of uniform convergence, Weierstrass M-Test, Abel's and Dirichlet's test, Convergence and uniform convergence of sequences and series of functions.

Transaction Mode

Video Based Teaching, Collaborative teaching, Group Discussion, ted talks, E team Teaching, Quiz.

Suggested Readings:

- *Walter Rudin, (1976), Principle of Mathematical Analysis (3rd edition) McGraw-Hill Kogakusha, International Student Edition.*
- *Bartle, Robert G., & Sherbert, Donald R. (2015). Introduction to Real Analysis (4th ed.). Wiley India Edition. New Delhi.*
- *T. M. Apostol, (1985), Mathematical Analysis, Narosa Publishing House, New Delhi*

Course Title: Historical Development of Hindustani Music	L	T	P	Cr.
Course Code: BAT5311	1	0	0	1

Total Hours: 15

Course Learning Outcomes: After completion of this course, the learner will be able to:

1. Learn about the music in the Vedic period, the Ramayana and the Mahabharat.
2. Study the works on Indian music by medieval.
3. Elementary knowledge of Raga-Raag vargikaran.
4. Stud about the theoretical aspects raags.

Course Content

UNIT-I

3 Hours

Explain the following Upaj, Mukhda, Bol-Alap, Khatka, Meend, Bol-bant, Gamak.

UNIT-II

5 Hours

Knowledge of written talas in single and double. Elementary knowledge of Raga-Raag vargikaran

UNIT-III

4 Hours

Gharana, its importance & contribution towards khayal gayan. Knowledge of Alap, Taan and its various forms.

UNIT-IV

3 Hours

Role of music festivals in the propagation of Hindustani Music.

Role of AIR in the propagation of Indian music.

Transaction Mode: Lecture, Demonstration, Discussion, Mobile Teaching, Self-Learning, Collaborative Learning, Composition method.

Suggested Readings

- *Subhadra Choudhary, Bharatiya Sangeet me Nibadda: Taal, Geetak, Prabandh, ka Lakshan Lakshyamulak Adhyayan, Radha Publications, Delhi, 2004*
- *Sharma, Yashpal (Dr.) Bhartiya Sangeet Mein Shruti, Kanishka Publishers, New Delhi, 2002.*
- *Strangways, A.H., Features, Principles and Technique of Indian Music, Kanishka Publication Delhi, 2008*
- *Tagore, S.M, Universal History of Music, Sanjay Publication Delhi, 1998*
- *Tagore, S.M, History of Hindu Music, Kanishka Publication Delhi, 2008*
- *Mahajan Anupam (1994) Raag In The Hindustani Classical Music, Gyan Publishing House, New Delhi.*
- *Bagchee Sandeep (1998) Nad-Understanding Raag Music, Eeshwar, Mumbai*
- *Jha Ramashraya (2014), Abhinava Geetanjali, Sangeet Kryalaya, Hatras*
- *Roy Ashok (2004) Music Makers: Living: Legends of Hindustani Classical Music, Rupa, New Delhi*
- *Mishra, Kanta Prashad, Voice Culture Gyanavm Parampara, Kanishka Publication Delhi, 2018*
- *Vijay Chandorkar, Bhartiya Sangeet mein Nibadh or Anibadh Gaan Parbandh Shaili ka Vikas, Hindi Madhyam Karyalya Nideshalya, Delhi Vishavvidalya.*

Course Title: Study of Light Music	L	T	P	Cr.
Course Code: BAT5312	0	0	2	1

Total Hours: 15

Course Learning Outcomes: After completion of this course the learner will be able to:

1. Explore the ability as an artist with light music artistic aptitude.
2. Develop the fundamental knowledge about stage performance.
3. Students will be able about how to perform and sing as well as Mian ki Todi on the Stage.
4. Students will learn about Notation System.

Course Content

UNIT-I

07 Hours

One Drut khayal in each of the following Ragas with alap and tanas: Bihag,

Mian Ki Todi. Shiranjani.

UNIT-II

08 Hours

Ability to play Teen Taal on tabla. Ability to recite Jhoomratal, Tilwaratal, Dhamar taal with Showing taali and Khali matra on hand motion in Ekgun, Dugun Layikaries. One folk song of Punjab.

Transaction Mode

Group Discussions, Questions, Project Based Learning, Video Based Teaching

Suggested Readings:

- *Dhankar Reeta (Dr.) Haryana or Punjab ki Sangeet Parampara, Sanjay Parkashan, Delhi, 2016*
- *Paranjape, Saratchandra Shridhar (Dr.), Bhartiya Sangeet Ka Itihas, Chaukhamba Vidhabhawan Varanasi, 2016*
- *Singh, Lalit Kishore (Prof), Dhvani or Sangeet, Bharti Gyanpeeth New Delhi, 2011*
- *Shukla, Shatrughan, Thumri ki utpatti, Vikas or shailiyan, Madhyam Karyalayanideshalya Delhi Uni. Delhi, 1991*
- *Brihaspati, Acharya, Sangeet Chintamani, Sangeet Karyalayaya, Hathras.*

Course Title: Theoretical Orientation of Gurmat Sangeet	L	T	P	Cr.
Course Code: BAT5313	1	0	0	1

Total Hours: 15

Course Learning Outcomes: On successful completion of this course, the students will be able to

1. Learn of music in Sikhism.
2. Introduction of Sri Guru Granth Sahibji.
3. Learning about the Raag Parbandh of Gurmat Sangeet.
4. Introduction of basic raags of Sri Guru Granth Sahibji.

Course Content

Unit-I

3 Hours

Technical Terminology: Ashraya Raag, Janak Raag, Janya Raag, Vakar Sur, Tukda, Tihai, Palta.

Dhrupad Ang Da Shabad, Dakhnee Raag Parkar.

Unit-II

4 Hours

Musical Arrangement of Sri Guru Granth Sahib.

Raag Parbandh of Gurmat Sangeet.

Unit-III

3 Hours

Description of following Raagas:

Tukhari, Majh, Bihagarha, Jaijvanti

Unit- IV

5 Hours

Kirtan Chaut tradition in the Sikh way of life.

One Shabad Reet on any wind instruments.

Transaction Mode: Lecture, Problem Solving, blended learning, Discussion & Demonstration

Suggested Readings

- Adi Granth Rag Kosh by Gurnam Singh, P. Vitar Parmanik Parkashan, Patiala.

- GurmatSangeetbyDharamParcharCommittee, CentralYatimkhana, Sri Amritsar sahib.
- GurmatSangeetDarpanbyProf.KartarSingh,SGPC,Amritsar.
- GurmatSangeet da SangeetVigyan by Dr.VarinderKaur, AmarjitSahitParkashan, Patiala.
- GurmatSangeetParamparabyProf.ManjeetKaur, Twentyfirst century publications, Patiala, 2005.
- Gur ShabadSangeet by Principal Sukhwant Singh, Gur Shabad
- SangeetAkadmi, JawaddiTaksal, Ludhiana.
- GurmatSangeetTerminology, by Dr. Gurnam Singh, Punjabi University, Patiala, 2012
- Sri Guru Granth Sahib RaagRatnakar by Dr. Gurnam Singh, SGPC, Amritsar.
- Sri Guru Granth Sahib RaagRatnavli by Prof. Tara Singh, Punjabi University, Patiala.
- TablaVaadanbyDr.jagmohan Sharma, Punjabi University, Patiala, 1996.

Course Title: Practical approach of Rhythmic Beats	L	T	P	Cr.
Course Code: BAT5314	0	0	2	1

Total Hours: 15

Course Learning Outcomes: After completion of this course the learner will be able to:

1. Analyze the origin, development of Indian Musical instruments.
2. Understanding the knowledge of Indian musical instruments.
3. Gain knowledge of musical instruments as accompaniment with Vocal forms of music.
4. Know about the classification of gurmat musical instruments as well as Gurbani Ragas.

Course Contents

Unit-I

8 Hours

Shabad Kirtan Performance in the prescribed Raagas Majh - one
 Shabad Composition. Bihagarha - one Shabad Composition.
 Wadahans - one Shabad Composition. Sorath- one Shabad
 Composition. Jaijavanti - one Shabad Composition. Kirtan
 Chauki tradition in the Sikh way of life.

Unit-II

7 Hours

One shabad Reeton string instruments.

Ability to demonstrate the following Taals by hand in Ekgun
 and Duguan of prescribed Taals: Punjabi Theka, Roopak.

Transaction Mode: Lecture, Problem Solving, blended learning,
 Discussion & Demonstration

Suggested Readings

- Adi Granth Rag Kosh by Gurnam Singh, Puitar Parmanik Parkashan, Patiala.
- Gurmat Sangeet by Dharam Parchar Committee, Central Yatimkhana, Sri Amritsar sahib.
- Gurmat Sangeet Darpan by Prof. Kartar Singh, SGPC, Amritsar.

- Gurmat Sangeet da Sangeet Vigyan by Dr. Varinder Kaur, Amarjit Sahit Parkashan, Patiala.
- Gurmat Sangeet Parampara by Prof. Manjeet Kaur, Twenty first century publications, Patiala, 2005.
- Gurmat Sangeet PrabandhtePasaar by Dr. Gurnam Singh, Punjabi University, Patiala.
- Gur Shabad Sangeet by Principal Sukhwant Singh, Gur Shabad Sangeet Akadmi, Jawaddi Taksal, Ludhiana.
- Gurmat Sangeet Terminology, by Dr. Gurnam Singh, Punjabi University, Patiala, 2012
- Sri Guru Granth Sahib Raag Ratnakar by Dr. Gurnam Singh, SGPC,Amritsar.
- Sri Guru Granth Sahib Raag Ratnavli by Prof. Tara Singh, PunjabiUniversity, Patiala.

Course Title: Health and Fitness	L	T	P	Cr.
Course Code: BAT5315	1	0	0	1

Total Hours: 15

Course Learning Outcomes: After completion of this course, the learner will be able to:

1. Define and understand the core concepts of health and wellness across multiple dimensions.
2. Recognise the significance of physical fitness and exercise in maintaining health.
3. Apply nutritional knowledge to make healthy food choices and maintain a balanced diet.
4. Develop strategies for managing mental and emotional health to enhance overall wellness.

Course Content

UNIT-I

08 Hours

Concepts of Health and Fitness: Definitions and dimensions (physical, emotional, mental, social and spiritual).

Holistic Approach to Health: Interconnectedness of body, mind, and spirit.

Determinants of Health: Genetics, lifestyle, environment and access to healthcare.

UNIT-II

08 Hours

Importance of Physical Activity: Benefits of regular exercise for overall health.

Components of Fitness: Cardiovascular endurance, muscular strength, flexibility, body composition.

Exercise Guidelines: Recommendations for physical activity based on age, fitness levels and health goals.

Prevention of Physical Health Issues: Prevention of lifestyle-related diseases through fitness and exercise.

Unit III

08 Hours

Basic Principles of Nutrition: Macronutrients, micronutrients and their role in health.

Healthy Eating Habits: Creating balanced meal plans, understanding portion control and nutritional choices.

Hydration and its Importance: Role of water and proper hydration in health.

Special Diets and Trends: Impact of popular diets (e.g., vegetarian, low-carb, intermittent fasting) on health and fitness.

UNIT-IV

06 Hours

Mental Wellness: Importance of mental health for overall well-being.

Stress Management: Techniques for managing stress, anxiety and emotional challenges.

Building Emotional Intelligence: Recognizing, understanding and managing emotions for better health.

Creating a Positive Lifestyle: Promoting happiness, resilience and healthy relationships for emotional wellness.

Transaction Mode:

Lecture, Seminar, e-Team Teaching, e-Tutoring, Dialogue, Peer Group Discussion, Mobile Teaching, Self-Learning, Collaborative Learning and Cooperative Learning

Suggested Readings:

- Corbin, C. B., Lindsey, R., & Welk, G. J. (2013). *Concepts of Fitness and Wellness: A Comprehensive Lifestyle Approach (11th Ed.)*. McGraw-Hill Education.
- Pescatello, L. S., Arena, R., Riebe, D., & Thompson, P. D. (2014). *ACSM's Guidelines for Exercise Testing and Prescription (9th Ed.)*. Wolters Kluwer.
- Hales, D. (2013). *An Invitation to Health: Live It Now! (15th Ed.)*. Cengage Learning.
- Hoeger, W. W. K., & Hoeger, S. A. (2016). *Principles of Physical Fitness (12th Ed.)*. Cengage Learning.
- Garcia, J. P. (2014). *Nutrition for Health and Wellness (4th Ed.)*. Cengage Learning.

Course Title: Proficiency of Athletics and Games	L	T	P	Cr.
Course Code: BAT5316	0	0	2	1

Total Hours: 15

Course Learning Outcomes: After completion of this course, the learner will be able to:

1. Demonstrate the starting and finishing techniques of running events.
2. Contrast the rules of any one game from Base ball, Cricket and Minor Games
3. Demonstrate the measurements for the seevents and games.
4. Acknowledge the basic and advanced techniques of the game.

Course Content

Marking of Track: 200 Meter and 400 Meter Track Marking of Field Events: Throwing and Jumping Events Games

Baseball

Cricket

Minor

Games

Readings

Course Title: Basic of Internal Combustion Engine	L	T	P	Cr.
Course Code: BAT5317	2	0	0	2

Total Hours:30

Learning Outcomes: After completion of this course, the learner will be able to:

1. To identify the different parts of an automobile and it's working
- 2.To understand the working of transmission and braking systems
- 3.To comprehend the working of steering and suspension systems
- 4.To learn various types of fuels and injection systems
- 5.To know the cause of automobile emissions, its effects on environment and methods to reduce the emissions

Course Content

UNIT-I

7 Hours

History of IC engines: Nomenclature, Classification & Comparison, SI & CI, 4stroke- 2 stroke, Fuel air cycles, Actual cycles.

UNIT-II

7 Hours

Fuel: Classification of IC Engine fuels, Desirable characteristics of SI & CI engine fuels, Rating of SI & CI engine fuels, Alternative fuels for SI and CI engine (liquid, gaseous, hydrogen, LPG, CNG, Biogas etc.), Air requirement, Analysis of combustion products, HHV and LHV of fuels.

UNIT-III

8 Hours

Testing and performance: Power, Fuel and air measurement methods, performance of SI and CI Engines, Characteristics curve. Variables affecting performance and methods to improve engine performance

UNIT-IV

8 Hours

Supercharging & Turbo charging: Methods of supercharging, & turbo charging Effects of super charging and turbo charging. Engine Modifications for

supercharging, supercharging of two stroke engines. microprocessor controlled supercharging. Cooling & lubrication of SI & CI Engines.

List of Recommended Books:

- *Automotive mechanics, William H Crouse & Donald L Anglin (10th Edition) Tata McGraw Hill Publishing Company Ltd., 2007.*
- *Automotive mechanics: Principles and Practices, Joseph Heitner, D Van Nostrand Company, Inc*
- *Fundamentals of Automobile Engineering, K.K.Ramalingam, Scitech Publications (India) Pvt. Ltd.*
- *Automobile Engineering, R. B. Gupta, SatyaPrakashan,(4th Edition) 1984.*

Course Title: Basic of Internal Combustion Engine Lab	L	T	P	Cr.
Course Code: BAT5318	0	0	4	2

Total Hours:30

Course Content

List Of Practical's:

- 1) To study the constructional details & working principles of two-stroke/ four stroke petrol engine.
2. To study the constructional detail & working of two-stroke/ four stroke diesel engine.
3. Analysis of exhaust gases from single cylinder/multi cylinder diesel/petrol engine by Orsat Apparatus.
4. To prepare heat balance sheet on multi-cylinder diesel engine/petrol engine.
5. To find the indicated horse power (IHP) on multi-cylinder petrol engine/diesel engine by Morse Test.

Course Title: Home and Community Resource Planning	L	T	P	Cr.
Course Code: BAT5319	2	0	0	2

Total Hours:30

Learning Outcomes: After completion of this course, the learner will be able to:

1. Identify and implement the steps of the management process in household activities.
2. Identify key considerations in choosing furniture, including space utilization, functionality, and aesthetics.
3. Identify the steps in decision-making and demonstrate their role in effective home management.
4. Identify different types of income and their significance in household financial planning.
5. Assess strategies for managing household expenses and savings effectively.

Course Content

UNIT-I

7 Hours

Meaning and definition of Home Management: Steps on management Process. Elements of Art, Principles of Art, Color.

Furniture and Flower Arrangement: Basic consideration while selection of furniture, Types, essential equipment used in flower arrangement, Selection of material, application of elements and principles of Art in Flower Arrangement.

UNIT-II

8 Hours

Resources, Decision making & Family life cycle: Classification of Resources, Human and Non-Human, Factors affecting the use of Resources. Steps and Role of Decision-Making In-Home Management. Stages of Family Life Cycle.

UNIT-III

7 Hours

Money Management: Types of Income, budget, its advantage and limitations, Planning of Budget, Sources of Income, Expenditure and Savings.

UNIT-IV

8 Hours

Time and Energy Management: Time as a Resource, Steps in making Time Plan, Tools in time Management- Peak loads, work curve, and rest periods. Energy as a

Resource, Fatigue- Types, causes and effects of fatigue, Principles of Work Simplification.

Suggested Readings:

- Nickell, P., and Dorsey, J, M. (2002). Management in Family Living. New Delhi: CBS Publishers
- Varghese, M. A, Ogale, N. N and Srinivasan, K. (2001). Home Management. New Delhi. New Age International (P) Ltd.
- Moorthy G. (Ed.). (1985). Home Management. N. Delhi.: Arya Publishers, Mullick, P. Text book of Home science. Ludhiana.: Kalyani Publishers.
- Deacon R.E. and Firebaugh F.M. (1998) Family Resource Management Principles and application. N. Delhi.: Roy Houghton Mifflin Company
- Faulkner, R. & Faulkner, S. (1961) Inside Today's Home. Rev. ed. © Holt, Rinehart & Winston, Inc.

Course Title: Home and Community Resource Planning (Practical)	L	T	P	Cr.
Course Code: BAT5320	0	0	4	2

Total Hours: 30

Course Content

Cleaning of window pane, refrigerator, food processor, Microwave, Gas burner, cooking range.

Flower Arrangement- Fresh and Dry Arrangement

Table Manner, Table setting, and Napkin Folding.

Craft workshop- Glass Painting, Pot Painting, utility article like bag, magazine holder etc.

To prepare articles using above techniques.

Course Title: Punjabi galap- II	L	T	P	Cr.
Course Code: BAT5321	2	0	0	2

Total Hours: 30**Learning Outcomes:**

ਇਸਕੋਰਸਨੂੰ ਪੂਰਾ ਕਰਨ ਉਪਰੰਤ ਵਿਦਿਆਰਥੀ:

ਪੰਜਾਬੀ ਨਾਵਲ ਦੀਆਂ ਪ੍ਰਵਿਰਤੀਆਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਨਗੇ।

ਦਲੀਪ ਕੌਰ ਟਿਵਾਣਾ ਦੇ ਜੀਵਨ ਤੋਂ ਜਾਣੂ ਹੋਣਗੇ।

ਪੰਜਾਬੀ ਕਹਾਣੀ ਪ੍ਰਤੀ ਦਿਲਚਸਪੀ ਪੈਦਾ ਹੋਵੇਗੀ।

ਵੱਖ-ਵੱਖ ਕਹਾਣੀਆਂ ਦੇ ਵਿਸ਼ਿਆਂ ਤੋਂ ਜਾਣੂ ਹੋਣਗੇ।

Course Content**ਭਾਗ-ੳ****08 Hours**

ਪੰਜਾਬੀ ਨਾਵਲ : ਆਰੰਭ ਤੇ ਵਿਕਾਸ

ਪੰਜਾਬੀ ਨਾਵਲ : ਪ੍ਰਵਿਰਤੀਆਂ

ਭਾਗ-ਅ**07 Hours**

ਦਲੀਪ ਕੌਰ ਟਿਵਾਣਾ : ਜੀਵਨ ਅਤੇ ਰਚਨਾ

ਏਹੁਮਾਰਾ ਜੀਵਨਾ : ਵਿਸ਼ਾਵਸਤੂ

ਏਹੁਮਾਰਾ ਜੀਵਨਾ : ਪਾਤਰ-ਉਸਾਰੀ

ਭਾਗ-ੲ**08 Hours**

ਪੰਜਾਬੀ ਕਹਾਣੀ : ਆਰੰਭ ਤੇ ਵਿਕਾਸ

ਪੰਜਾਬੀ ਕਹਾਣੀ : ਪ੍ਰਮੁੱਖ ਪ੍ਰਵਿਰਤੀਆਂ

ਭਾਗ-ਸ**07 Hours**

ਕਥਾ ਲੋਕ (ਕਹਾਣੀ ਸੰਗ੍ਰਹਿ), ਸੰਪਾ. ਸ. ਪਸੰਘ ਅਤੇ ਜਸਵਿੰਦਰ ਸਿੰਘ,

ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ

ਪੁਸਤਕਸੂਚੀ

- ਬਲਦੇਵ ਸਿੰਘ ਧਾਲੀਵਾਲ, ਪੰਜਾਬੀ ਕਹਾਣੀ ਦੇ ਇਤਿਹਾਸ, ਪੰਜਾਬੀ ਅਕਾਦਮੀ, ਦਿੱਲੀ
- ਗੁਰਬਖਸ਼ ਸਿੰਘ ਫਰੈਂਕ, ਨਿੱਕੀ ਕਹਾਣੀ ਅਤੇ ਪੰਜਾਬੀ ਨਿੱਕੀ ਕਹਾਣੀ, ਪੰਜਾਬੀ ਗਾਈਡਰਜ਼ ਕੋਆਪਰੇਟਿਵ, ਸੁਸਾਇਟੀ, ਲੁਧਿਆਣਾ।
- ਗੁਰਪਾਲ ਸਿੰਘ ਸੰਧੂ, ਪੰਜਾਬੀ ਨਾਵਲ ਦਾ ਇਤਿਹਾਸ, ਪੰਜਾਬੀ ਅਕਾਦਮੀ, ਦਿੱਲੀ।
- ਹਰਜਿੰਦਰ ਸਿੰਘ ਢਿੱਲੋਂ ਅਤੇ ਪ੍ਰੀਤਮ ਸਿੰਘ ਸਰਗੋਧੀਆਂ (ਸੰਪਾਦਕ) ਦੇਰੰਗ, ਗੁਰੂਨਾਨਕ ਦੇਵ ਯੂਨੀਵਰਸਿਟੀ, ਅੰਮ੍ਰਿਤਸਰ।
- ਪਰਮਿੰਦਰ ਸਿੰਘ, ਸਾਹਿਤ ਦੇ ਰੂਪ, ਲਾਹੌਰ ਬੁੱਕ ਸ਼ਾਪ, ਲੁਧਿਆਣਾ।

Course Title: Hindi (आधुनिकहिन्दीकविता)	L	T	P	Cr.
Course Code: BAT5322	0	0	4	2

Total Hours: 30

Course out comes: After the completion of Course, the students will be able to:

1. धात्रकरवतामेंआधुनिकचेतनासेअवगतहोंगे।
2. छात्रबदलतेपरिवेशपहकाफावितापरप्रभावलक्ष्यसकेंगे।
4. यातहिन्दीकविताकीआधुनिकशैलीएवंभाषासेपरिचितहोंगे।
५. छात्रआधुनिककविताश्रीप्रमुखप्रवृत्तियोंसेपरिचितहोंगे।

Unit 1**08 Hours**

१८ प्रस्ताद - (कोतीविभावरीजागरी, जमशंकरअरुणयहमुच्चुभमयदेशहमारा)

सुमितानंदनपंत (ग्रामश्री, जवाहरलालनेहरूकेप्रत

-Unit 2**07 Hours**

(1) स० हीरानन्दकटस्मायनअज्ञेय (महदीपअकेला, सॉप)

गजाननमाच्चवमुक्तिबोच्च - (मूलगलती, मुझेपुकारतीहुईपुकार)

(ग) गिरिजाकुमारमापुर- २ छायामतछूना, नमाकवि/

Unit 3**08 Hours**

1) एमचारीसिंहदिनकर - (आगकीभीख, दिल्ली)

(ii) गोपालसिंहनेपाली'. (मेराधन्नहैस्वाचीनकलम, नौलाखसितारोंनेपूरा)

Unit 4**07 Hours**

(1) रघुवीरसहाय (हत्याकीकातिलोवेनकाअंन्निश्चनक्षणहै)

कुमार- (कोआदमीनहींहैमुकम्मलक्यानहै।इसनदीकीचारमेंठंडीहवाआतीतोहै)

सहायकग्रंथ

- समकालीनहिन्दीकविता- विश्वनाथप्रसादतिवारीपाणीप्राशन, नईदिल्ली
- कविताकाअर्थात - परमानन्दश्रीवास्तव, आचारप्रकाशन, पंचकूला,
- ग़ज़ल - राहतदनकौरी, वाणीप्रकाशन, नईदिल्ली
- आयुनिका: गंगाप्रसादविमल-मैकलिनपविलेकेशन, नईदिल्ली -
- हसबालाकी - मेप्रकारकिताबघरप्रकाशननईदिल्ली-
- मुक्तिबोच्चकीअदिताऔरउनकाजीवन-- , मन्थनप्रकाशन, रोहतक, घीमाणाविवेक
- भूमिकनधूमिलकरकाव्य :बद्वदेवमिश्रलोकभारतीप्रकाशन, इलाहाबाद

Course Title: Translation and English Literature	L	T	P	Cr.
Course Code: BAT5323	2	0	0	2

Total Hours: 30

Course Learning Outcomes: After completion of this course, the learner will be able to:

1. Critically analyse and interpret the themes of transformation and identity, illusion versus reality, love and betrayal, spirituality and materialism in the selected text.
2. Critically analyse and interpret the themes of transience of life, nature, imagination and creativity, power and control, aesthetics and loss in the selected poetic pieces.
3. Structure and articulate coherent arguments, and formulate appropriately professional Curriculum vitae.
4. Accurately translate passages into English, preserving the original tone, meaning and nuances of the source text.

Course Content

UNIT-I

09 Hours

The Guide by R. K. Narayan

UNIT-II

12 Hours

Selected College Poems (Orient Longman). Edited by Ambika Sengupta- The following poems from this book are prescribed:

All the World's a Stage

Kubla Khan

Ode to the West Wind

La Belle Dame Sans Merci

Ulysses

MyLastDuchess

SayNottheStruggleNaughtAvaileth

Nightingales.

UNIT-III

05 Hours

1.a)EssayWriting

CurriculumVitaewriting

UNIT-IV

04 Hours

Translation of a running passage comprising atleast ten sentences from Punjabi/Hindi Into English.

Transaction Mode- Brain Storming, Quiz, Group Discussion, Open Talk.

Suggestedreadings:

- Narayan,R.K.*TheGuide*.PenguinBooks,2005.
- Singh,VandanaR.*TheWrittenWord*.OxfordUniversityPress,2000.
- Williams, Joseph M. *Style: Lessons in Clarity and Grace*. Pearson, 2016.
- Whitcomb, Susan Britton. *Resume Magic: Trade Secrets of a Professional Resume Writer*. JIST Works, 2019.
- Kachru, Yamuna, and Braj B. Kachru. *Language in South Asia*.Cambridge University Press, 2008.

Course Title: Community Engagement and Social Responsibility	L	T	P	Cr.
Course Code: BAT5324	0	0	8	4

Total Hours: 60

Learning Outcomes: After completion of this course, the learner will be able to:

- 1.To inculcate civic responsibility and empathy through direct community involvement.
- 2.To equip students with skills in organizing, conducting, and evaluating grassroots-level outreach programs.
- 3.To provide real-world exposure to local development issues and stakeholder collaboration.
- 4.To enhance reflective and critical thinking through hands-on community practice.

Course Content

Orientation and Planning

10 Hours

Introduction to outreach and field ethics.

Understanding the chosen community (rural/slum/tribal).

Mapping local issues and identifying outreach themes.

Planning group-based or individual field interventions.

Community-Based Field Engagement

20 Hours

Students will actively participate in field-based programs such as:

Health Awareness Drives

Literacy Support and Tuition Programs

Sanitation and Cleanliness Campaigns

Environmental Awareness Drives

Legal and Gender Rights Campaigns

Social Surveys and Documentation

Students must maintain regular contact with community stakeholders and reflect on challenges.

Documentation and Report Writing

20 Hours

Field diary: Daily activities, reflections, challenges, feedback from community members.

Photographic and narrative documentation.

Data collection (qualitative and quantitative where applicable).

Presentation and Viva Voce

10 Hours

Students will present their field experiences through:

PPTs

Posters or videos

Oral presentations

Panel viva to assess depth of engagement and learning.

Suggested Tools & Materials:

Fieldwork Diary

Survey/Feedback Formats

IEC Materials (Information, Education, Communication)

Basic data collection apps or tools, First-aid and safety guideline

Semester VI

Course Title: History of Punjab (1799-1858 AD)	L	T	P	Cr.
Course Code: BAT6350	4	0	0	4

Total Hours: 60

Learning Outcomes: After completion of this course, the learner will be able to:

1. Examine the concepts like Dhal Khalsa and the formation of military
2. Analyze the causes of establishment of Sikh Empire by Ranjit Singh and his relation with British Empire
3. Evaluate the political, economic, social and religious issues of this time.
4. Discuss the nature of British administration in Punjab.

Course Content**UNIT-I****15 Hours**

Evolution and Functions of Dal Khalsa, Gurmatta and Rakhi System.
Misals; Nature, Civil & Military Organization.

UNIT-II**15 Hours**

The establishment of Ranjit Singh's Kingdom: Conquests of Lahore, Multan, Kashmir and Peshawar. Relations between Ranjit Singh and the British (1800-1839)

UNIT-III**15 Hours**

Central and Provincial Administration and Military System of Ranjit Singh.
Anglo-Sikh War and the Annexation of the Punjab.

UNIT-IV**15 Hours**

Administration of Punjab 1849-58; Board of Administration and its working;
Johan Lawrence as Chief Commissioner, Revolt of 1857 in Punjab

Transaction Mode

Lecture, Group Discussion, Quiz, Open Talk, Self-study, Assignment.

Suggested Readings:**Text Books:**

- Grewal, J. S. (1990). *The Sikhs of the Punjab (Vol. 2)*. Cambridge University Press.
- Singh, K. (2004). *A History of the Sikhs: Volume 1: 1469-1839*. Oxford University Press.
- Singh, K. (2005). *A History of the Sikhs: Volume 2: 1839-2004*. Oxford University Press.
- Talbot, I. (2012). *Punjab and the Raj 1849-1947*. Routledge.
- Mahmood, C. K. (1996). *Fighting for Faith and Nation: Dialogues with Sikh Militants*. University of Pennsylvania Press.

Reference Books:

- Grewal, J. S. (2004). *The Khalsa: Sikhs and Their Scriptures*. Oxford University Press.
- Khushwant Singh. (2001). *The Birth of the Khalsa: A Feminist Re-Memory of Sikh Identity*. State University of New York Press.
- McLeod, W. H. (2003). *Sikhs of the Khalsa: A History of the Khalsa Rahit*. Oxford University Press.
- Duggal, K. S. (2001). *Maharaja Ranjit Singh: The Last to Lay Arms*. Abhinav Publications.
- Dhillon, G. S. (1991). *Maharaja Ranjit Singh: Emperor of the Punjab*. Atlantic Publishers & Distributors.

Course Title: Statistics for Economics	L	T	P	Cr.
Course Code: BAT6351	4	0	0	4

Total Hours: 60

Learning Outcomes: After completion of this course, the learner will be able to:

1. To know about the basic statistics phenomenon.
2. Calculate the average value by using mean, median, mode.
3. Measure the of regression and correlation.
4. Develop the computational skill of Estimating the time series and trend analysis.

Course Content

UNIT-I

15 Hours

Introduction to Statistics and scope: Meaning and scope of Statistics. Concepts of population and sample Variables and Attributes, Scales of measurement - nominal, ordinal, interval and ratio. Diagrammatic presentation of Data, Summarization of Data: Frequency Distribution and Graphical Presentation.

UNIT-II

15 Hours

Central Tendency: Measures of Central Tendency: Mean, Median, Mode, GM, HM. Measures of Dispersion: range, quartile deviation, mean deviation, standard deviation, measures of Skewness (Karl Pearson) and kurtosis.

UNIT-III

15 Hours

Regression and Correlation Methods: Bivariate data: Definition, scatter diagram, simple correlation, and Rank correlation. Simple linear regression. Applications and uses.

UNIT-IV

15 Hours

Time Series Analysis: Least Squares and Movement Methods.

Index Numbers: Methods and its limitations.

Transaction Mode:

Lecture, Problem Solving, blended learning, Discussion & Demonstration, and Case Studies.

Suggested Readings:

- *Medhi, J. (2000). Statistical Methods: An introductory Text, NewAge International (P) Ltd.*
- *Gupta, S.C. and Kapoor, V. K. (2007). Fundamentals of Mathematical Statistics, S. Chand.*
- *Cochran, W.G. (1977). Sampling Techniques, third edition, John Wiley & Sons.*
- *Feller, W. (2005). An Introduction to Probability Theory and Its Applications, Vol. I, Wiley.*
- *Uspensky, J. V. (2005). Introduction to Mathematical Probability, (McGraw Hill).*
- *Suggested digital platform: NPTEL/SWAYAM/MOOCs.*

Course Title: The Sikh Scripture, thoughts and Institutions	L	T	P	Cr.
Course Code: BAT6352	4	0	0	4

Total Hours: 60**Learning Outcomes:** After completion of this course, the learner will be able to:

1. Understand that the philosophy of religion is the philosophical examination of the central themes and concepts involved in religious traditions.
2. Learn an ancient discipline, being found in the earliest known manuscripts concerning philosophy, and relates to many other branches of philosophy, Including metaphysics, epistemology, and ethics.
3. Know that the philosophy of religion differs from religious philosophy in that it seeks to discuss questions regarding the nature of religion as a whole.
4. Understand the philosophy of the religion.

Course Content**Unit- I****12 Hours****ਸਿੱਖਧਰਮਦੇਮੁੱਢਲੇਸ਼੍ਰੋਤ**

ਸ੍ਰੀਗੁਰੂਗ੍ਰੰਥਸਾਹਿਬ: ਸੰਪਾਦਨਕਲਾਅਤੇਵਿਚਾਰਧਾਰਾ

ਦਸਮਗ੍ਰੰਥ: ਮੁੱਢਲੀਜਾਣ-ਪਛਾਣ

ਵਾਰਾਂਭਾਈਗੁਰਦਾਸਜੀ : ਸਿੱਖਪੰਥਦਾਸਰੂਪ, ਵਿਚਾਰਧਾਰਾ

Unit- II**11 Hours****ਪ੍ਰਮੁੱਖਬਾਣੀਆਂ**

ਜਪੁ: ਵਿਸ਼ਾ-ਵਸਤੂ

ਸਖਮਨੀ: ਵਿਚਾਰਧਾਰਾ

ਬਾਰਹਮਾਝ: ਪ੍ਰਕਿਰਤੀਚਿਤਰਨਅਤੇਮਨੁੱਖੀਜੀਵਨਦਾਉਦੇਸ਼

Unit- III**12 Hours****ਪ੍ਰਮੁੱਖਸਿਧਾਂਤ**

ਅਕਾਲਪੁਰਖ

ਸ਼੍ਰਿਸ਼ਟੀਰਚਨਾ

ਸ਼ਹਾਦਤ

Unit- IV**10 Hours****ਸਿੱਖਸੰਸਥਾਵਾਂ**

ਗੁਰਿਆਈਸੰਸਥਾ

ਧਰਮਸ਼ਾਲਾਅਤੇਗੁਰਦੁਆਰਾ

ਲੰਗਰ/ਪੰਗਤ, ਸੰਗਤ

ਟ੍ਰਾਂਜੈਕਸ਼ਨਮੋਡ: ਲੈਕਚਰ, ਸਮੱਸਿਆਹੱਲ, ਮਿਸ਼ਰਤਸਿਖਲਾਈ, ਚਰਚਾਅਤੇਪ੍ਰਦਰਸ਼ਨਅਤੇਕੇਸਅਧਿਐਨ।
ਸਹਾਇਕਪੁਸਤਕਾਂ:

- ਡਾ. ਵਜੀਰਸਿੰਘ, ਸ੍ਰੀਗੁਰੂਗ੍ਰੰਥਸਾਹਿਬਵਿਲੱਖਣਤੱਤ, ਪੰਜਾਬੀਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।
- ਡਾ. ਰਤਨਸਿੰਘਜੱਗੀ, ਆਸਾਦੀਵਾਰਦਾਟੀਕਾ, ਸੰਪਾਦਕਆਰਸੀਪਬਲਿਸ਼ਰਜ਼, ਦਿੱਲੀ।
- ਡਾ. ਜੋਗਿੰਦਰਸਿੰਘ।
- ਪ੍ਰੀਤਮਸਿੰਘਸੁਖਮਨੀਸਾਹਿਬਦਾਦਾਰਸ਼ਨਿਕਆਧਾਰ, ਗੁਰਮਤਿਵਿਚਾਰਧਾਰਾ, **SGPC**, ਸ੍ਰੀਅੰਮ੍ਰਿਤਸਰਸਾਹਿਬ।
- ਬਾਰਹਮਾਹਾਸਟੀਕ, **SGPC**, ਸ੍ਰੀਅੰਮ੍ਰਿਤਸਰਸਾਹਿਬ।
- ਡਾ. ਦਲੀਪਸਿੰਘਦੀਪ, ਜਪੁਜੀਇਕਤੁਲਨਾਤਮਕਅਧਿਐਨ, ਪੰਜਾਬੀਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।
- ਡਾ. ਰਤਨਸਿੰਘਜੱਗੀ, ਆਸਾਦੀਵਾਰਦਾਟੀਕਾਸੰਪਾਦਨ :ਪੰਜਾਬੀਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।
- fw. mihMdrkOrig~l, sRIgurUgRMQswihbjldlsMpwdnklw, ਪੰਜਾਬੀਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।
- fw. rqnisMGj~gl, AwSwdlvwrdwtlkwsMpwdk:- ArSI pbiISrj, id~II[
- pRIqmisiMG, gurmiqivcwrDwrw:-SGPC, sRI AMimRqsr swihb[

Course Title: Comparative Governance & Politics	L	T	P	Cr.
Course Code: BAT6353	4	0	0	4

Total Hours: 60

Learning Outcomes: After completion of this course, the learner will be able to:

1. Define and analyze the meaning, concept, characteristics, significance, and scope of Comparative Governance & Politics.
2. Differentiate between traditional and modern approaches in Comparative Politics.
3. Compare the structures and functions of the British Parliament and American Congress, focusing on key institutions like the House of Lords, House of Commons, Senate, and the Executive.
4. Examine the roles of political parties, pressure groups, and the judicial systems in the UK and USA, highlighting their impact on governance and democracy.

Course Content

Unit I

14 hours

1. Comparative Governance & Politics: Meaning, Concept, Characteristics, Significance, and Scope
2. Approaches: Traditional and Modern

Unit II

13 hours

3. British Parliament: House of Lords, House of Commons and Executive- Prime Minister
American Congress- Senate, House of Representative and Executive - The President.

Unit III

16 hours

4. Political Parties U.K. and U.S.A.
5. Pressure Groups – U.K. and U.S.A.

Unit IV

17 hours

6. Judicial system and judicial review in United States of America
7. Judicial system and rule of law in U.K.

Transaction Mode

Lecture, Group Discussion, Quiz, Open Talk, Self-study, Assignment

SUGGESTED READINGS

- *Jean Blondel (1969). An Introduction to Comparative Government, Praeger.*
- *G. Almond and B. Powell (1966). Comparative Politics: A Development Approach, Little Brown.*
- *Robert Ward & Roy Macrides. (1972). Modern Political Systems, Prentice Hall.*
- *D. J. Weller (1970). The Government of Politics of Communist China, Hutchinson.*
- *Peter Bormhead (1974). Britain's Developing Constitution, St. Martin's Press.*
- *John P. Mackintosh (1971). The Government and Politics of Britain, Hutchinson.*
- *P.J. Madgwick. (1971). Introduction to British Politics, Hutchinson.*
- *A.H. Birch. (1980). The British System of Government, Allen & Unwin.*
- *Lucian Pye. (1970). The Spirit of Chinese Politics, Cambridge.*
- *Richard Rose. (1966). Studies in British Politics, Macmillan.*
- *Shanti Swarup. (1966). A Study of the Chinese Communist Movement (only Introduction), Clarendon.*
- *Robert Wesson. (1978). Communism and Communist Systems, Prentice-Hall.*
- *Richard H. Solomon. (1971). Mao's Revolution and the Chinese Political Culture, Oxford University. University.*

Course Title: Indian Sociological Thinkers	L	T	P	Cr.
Course Code: BAT6354	4	0	0	4

Total Hours: 60

Learning Outcomes: After completion of this course, the learner will be able to:

1. **Diverse Perspectives:** Understand diverse sociological perspectives of Indian scholars like G.S. Ghurye, P.N. Prabhu, D.P. Mukherjee, and Radhakamal Mukherjee, analyzing their contributions to topics such as caste, race, tradition, modernity, gender, and kinship.
2. **Critical Analysis:** Critically evaluate the strengths and weaknesses of Indian sociological theories, demonstrating the ability to assess their relevance in contemporary Indian society.
3. **Application Skills:** Apply sociological concepts to analyze real-world social issues, enhancing analytical and problem-solving abilities within the context of Indian society.
4. **Interdisciplinary Understanding:** Develop an interdisciplinary perspective by recognizing the interconnectedness of sociological theories with other disciplines, fostering a holistic understanding of social phenomena in India.

Course Content

UNIT-I **15 Hours**
G.S. Ghurye-Caste and Race; P.N. Prabhu-Varna, Ashrama, Purushartha

UNIT-II **15 Hours**
D.P. Mukherjee - Tradition and Modernity; Radhakamal Mukherjee
Personality, Society, Values, Social Ecology

UNIT-III **15 Hours**
M.N. Srinivas-Social Change; Verrier Elwin-Tribes in India

UNIT-IV **15 Hours**
Irawati Karve - Gender and Kinship; Leela Dube - Caste and Gender; Dr. B.R. Ambedkar

Suggested Readings:

- Ahmed, Imtiaz. *"Fora Sociology of India." Contributions to Indian Sociology 6:172-8, 1972.*
- Ambedkar, B.R. *The Untouchables: Who were They and Why They Became Untouchables.* Amrit Book Company, Delhi, 1948.
- Beteille, Andre. *"Sociology and Ethnology." International Social Science Journal, 24(4):703-4, 1974.*
- Desai, A.R. *Social Background of Indian Nationalism.* Popular Prakashan, Bombay, 1976.
- Dube, S.C. *Indian Village.* London: Routledge & Kegan Paul Ltd, 1959.
- Dube, Leela. *"Caste and Women" in M.N. Srinivas (ed.) Caste: Its Twentieth Century Avatar.* New Delhi: Penguin, pp. 1-27, 1996.
- Ghurye, G.S. *Caste and Class in India.* Bombay: Popular Book Depot, 1957.
- Karve, Iravati. *"The Kinship Map of India," in Patricia Uberoi (ed.) Family Kinship and Marriage in India.* Oxford University Press, pp. 50-73, Delhi, 1994.
- Mukerjee, Ramakrishna. *Sociology of Indian Society.* Bombay: Allied, 1979.
- Mukherjee, D.P. *Diversities.* People Publishing House, 1958.
- Oakly, Ann. *Sex, Gender, and Society.* London: Temple Smith, pp. 99-127, 158-172.
- Prabhu, P.N. *Hindu Social Organization.* Popular Book Depot, Bombay, 1954.

Further Readings:

- Shan, A.M. *The Family in India: Critical Essays.* Orient Longman, pp. 52-63, New Delhi, 1998.
- Singh, Yogendra. *Modernization of Indian Tradition.* Rawat Publications, Jaipur, 1973.
- Singh, Yogendra. *Indian Sociology: Social Conditioning and Emerging Concerns.* Vistaar Publications, New Delhi, 1986.
- Srinivas, M.N. *Religion and Society Among the Coorgs of South India.* London: Asia, 1952.
- Srinivas, M.N. *"Sociology and Sociologists in Indian Today." Sociological Bulletin 19(1):1-10, 1970.*
- Srinivas, M. *Nhdl.* Berkeley: California University Press, 1970.

Course Title: Case Work and Counselling: Working with Marginalized Community	L	T	P	Cr.
Course Code: BAT6355	4	0	0	4

Total Hours: 60

Course Learning Outcomes: On successful completion of this course, the students will be able to:

1. Understand the principles and approaches of case work and counseling within the context of social work practice.
2. Apply case work and counseling skills effectively when working with individuals and groups from marginalized communities.
3. Analyze the unique challenges and strengths of marginalized populations in the context of social work interventions.
4. Develop culturally sensitive and ethical practices in casework and counseling with marginalized communities.

Course Content

UNIT-I

15 Hours

Foundations of Case Work and Counseling

Introduction to case work and counseling: Definitions, historical development, and goals.

Theoretical frameworks: Psychodynamic, cognitive-behavioural, humanistic, and strengths-based approaches.

Ethical considerations and professional boundaries in case work and counseling.

Building rapport and establishing a therapeutic relationship.

UNIT-II

15 Hours

Case Work and Counseling Skills

Assessment and goal setting: Identifying client needs and developing intervention plans.

Active listening, empathy, and communication skills. Crisis intervention and suicide prevention.

Techniques for empowerment, self-esteem building, and resilience.

UNIT-III

15 Hours

Marginalized Communities and Social Work

Understanding marginalization: Race, ethnicity, gender, sexual orientation, disability, and socio-economic factors.

Intersectionality and its impact on clients from marginalized communities. Cultural competence and sensitivity in case work and counseling.

Trauma-informed care and approaches to address historical trauma.

UNIT-IV

15 Hours

Cultural Competence and Ethical Practice

Cultural humility and anti-oppressive practice. Ethical dilemmas in case work

And counselling with marginalized populations. Advocacy and social justice within the counselling process. Supervision and self-care for social work practitioners.

Suggested Readings:

- Davis, M., & Harrington, J. (2009). The Social Work Interview. Columbia University Press.
- Corey, G., Corey, M. S., & Callanan, P. (2018). Issues and Ethics in the Helping Professions. Cengage Learning.

- Sue, D. W., & Sue, D. (2015). Counseling the Culturally Diverse: Theory and Practice. Wiley.
- Glick, M. D. (2015). Social Work in the 21st Century: An Introduction to Social Welfare, Social Issues, and the Profession. Sage Publications.
- Van Wormer, K., & Davis, D. R. (2018). Addiction Treatment: A Strengths Perspective. Cengage Learning.

Course Title: Personality	L	T	P	Cr.
Course Code: BAT6356	4	0	0	4

Total Hours: 60

Course Learning Outcomes: Understand the nature and determinants of personality from various theoretical perspectives.

1. Analyse and compare classic and contemporary theories of personality.
2. Gain proficiency in methods of personality assessment.
3. Apply personality theories to understand individual differences in diverse contexts such as gender, culture, and relationships.

Course Content

Unit-I

14 Hours

Personality: Nature and determinants, Perspectives of personality, Assessment of personality.

Unit-II

16 Hours

Psychodynamic and psychosocial approaches: Freud and Erikson; Neo-Analytic: Jung and Adler. Application to individual difference: Male-Female Differences, Culture and Ethnic Differences, Love and hate.

Unit-III

13 Hours

Biological aspect of personality: Genetic and personality evolutionary approach to personality; Physiological approaches to personality; Behavioristic and social learning approaches: Skinner, Bandura and Mischel.

Unit –VI**17 Hours**

Trait and Skill Aspects of Personality: Allport, Cattell and Eysenck's theories, BIG-FIVE Model; Humanistic and phenomenological approaches: Rogers and Kelly.

Transactional Mode

Video-Based Teaching, Collaborative Teaching, Dialogue, Group Discussion, Brain Storming, Peer Teaching Demonstration, Project Based Learning, Team Teaching.

Recommended Books:

1. Buss D. M. & Larsen R. J. (2009). *Personality Psychology: Domains of Knowledge About Human Nature*. NJ: McGraw-Hill Humanities.
2. Corr, P. J. & Gerald Matthews, G. (2009). *The Cambridge Handbook of Personality Psychology*. Cambridge: Cambridge University Press.
3. Dan P. McAdams D. P. (2008). *The Person: An Introduction to the Science of Personality Psychology*. Wiley.
4. Pervin, L. A. (2002) *Science of Personality* (2nd Ed.). USA: Oxford University Press.
5. Friedman, H. S. & Schustack, M. W. (2009) *Personality: Classic Theories and Modern Research*, 2nd edition. Pearson Education.
6. Calvin S. Hall C. S., Lindzey G. & Campbell J. B. (2007) *Theories of Personality* (4th Ed) Wiley.
7. Singh, A. K. (2015). *उच्चतरसामान्यमनोविज्ञान*. Varanasi: Motilal Banarasi Das.

Course Title: World Literature in English	L	T	P	Cr.
Course Code: BAT6357	2	0	0	2

Total Hours:30

Learning Outcomes: After completion of this course, the learner will be able to:

1. Critically analyse and interpret the themes of Oedipal complex, struggle for individuality, sexuality and intimacy in the selected text.
2. Critically analyse and interpret the themes of independence and identity, betrayal and consequences, freedom and confinement in the selected text.
3. Critically analyse and interpret the themes of colonialism and imperialism, moral ambiguity, and alienation in the selected text.
4. Critically analyse and interpret the themes of identity and belonging, political and social turmoil, family and relationships in the selected text.

Course Content

UNIT-II **08 Hours**
D. H. Lawrence–*Sons and Lovers*

UNIT-II **08 Hours**
Rohinton Mistry–*Such a Long Journey*

UNIT-III **07 Hours**
Joseph Conrad–*Heart of Darkness*

UNIT-IV **07 Hours**
Henry James: *The Portrait of a Lady*

- **Suggested Readings:**
- Hudson, W.H. *An Outline History of English Literature*. Maple Press, 2012.
- Lawrence, D.H. *Sons and Lovers*. Maple Press, 2010.
- Conrad, Joseph. *Heart of Darkness*. Fingerprint Publishing, 2018.
- Mistry, Rohinton. *Such a long journey*. Faber and Faber, 2006.
- James, Henry. *The Portrait of a Lady*. Penguin Classics, 2011

Course Title: Punjabi Bhasha ate Gurmakhi Lipi	L	T	P	Cr.
Course Code: BAT6358	2	0	0	2

Total Hours: 30

Learning Outcomes: ਇਸ ਕੋਰਸ ਨੂੰ ਪੂਰਾ ਕਰਨ ਉਪਰੰਤ ਵਿਦਿਆਰਥੀ:

1. ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਨਗੇ।
2. ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਵਾਕ ਵਿਉਂਤ ਤੇ ਜਾਣੂ ਹੋਣਗੇ।
3. ਗੁਰਮੁਖੀ ਲਿਪੀ ਬਾਰੇ ਸੂਝ ਬੂਝ ਵਿਚ ਵਾਧਾ ਹੋਵੇਗਾ।
4. ਗੁਰਮੁਖੀ ਲਿਪੀ ਅਤੇ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਸੰਬੰਧ ਬਾਰੇ ਸਮਝ ਵਿਕਸਤ ਕਰਨਗੇ।

Course Content**ਭਾਗ-ੳ****8 Hours**

ਪੰਜਾਬੀ ਭਾਸ਼ਾ : ਨਿਕਾਸ ਅਤੇ ਇਤਿਹਾਸ

ਪੰਜਾਬੀ ਭਾਸ਼ਾ : ਪ੍ਰਮੁੱਖ ਲੱਛਣ

ਭਾਗ-ਅ**7 Hours**

ਪੰਜਾਬੀ ਭਾਸ਼ਾ : ਸ਼ਬਦ ਬਣਤਰ ਤੇ ਸ਼ਬਦ ਰਚਨਾ

ਪੰਜਾਬੀ ਭਾਸ਼ਾ : ਵਾਕ ਵਿਉਂਤ

ਭਾਗ-ੲ**7 Hours**

ਗੁਰਮੁਖੀ ਲਿਪੀ ਦਾ ਇਤਿਹਾਸ

ਗੁਰਮੁਖੀ ਆਰਥੋਗ੍ਰਾਫੀ

ਭਾਗ-ਸ**08 Hours**

ਗੁਰਮੁਖੀ ਲਿਪੀ ਦੀ ਪ੍ਰਾਚੀਨਤਾ

ਗੁਰਮੁਖੀ ਲਿਪੀ ਦੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨੂੰ ਲਿਖਣ ਲਈ ਸਾਰਥਕਤਾ।

ਪੁਸਤਕਸੂਚੀ:

- ਬਲਦੇਵ ਸਿੰਘ ਚੀਮਾ, ਪੰਜਾਬੀ ਵਾਕ ਪ੍ਰਬੰਧ ਬਣਤਰ ਅਤੇ ਕਾਰਜ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।
- ਜੀ. ਬੀ. ਸਿੰਘ, ਗੁਰਮੁਖੀ ਲਿਪੀ ਦਾ ਜਨਮ ਤੇ ਵਿਕਾਸ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਚੰਡੀਗੜ੍ਹ।
- ਬੂਟਾ ਸਿੰਘ ਬਰਾੜ, ਪੰਜਾਬੀ ਭਾਸ਼ਾ : ਸਰੋਤ ਤੇ ਸਰੂਪ, ਵਾਰਿਸ ਸ਼ਾਹ ਫਾਊਂਡੇਸ਼ਨ, ਅੰਮ੍ਰਿਤਸਰ
- ਦੁਨੀਚੰਦ, ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਵਿਕਾਸ, ਪੰਜਾਬ ਯੂਨੀਵਰਸਿਟੀ, ਚੰਡੀਗੜ੍ਹ।
- ਦੁਨੀਚੰਦ, ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਵਿਆਕਰਣ, ਪੰਜਾਬ ਯੂਨੀਵਰਸਿਟੀ, ਚੰਡੀਗੜ੍ਹ।

Course Title: Sahitya Roop-Hindi	L	T	P	Cr.
Course Code: BAT6359	2	0	0	2

Total Hours: 30**Learning Outcomes:** After completion of this course, the learner will be able to:

1. छात्ोिंकोनािककेअमस्वरूपएविंहवकासिमकाज्ञानिगा।
2. छात्ोिंकोएकािंकीकेस्वरूपहवकासिमकाज्ञानिगा।
3. साहित्यरूपकेअंतगमतउपन्यासकेस्वरूपएविंभारतीयतापहशचमीहवकासपरम्पराकाज्ञानिगा।
4. छात्किहनयोिंकेहवकासिमसेअवगतितेएहवहवधकिनीआंदोलनोिंसेपररहचत्तिोिंगे।

Course Content**भाग(क)****08 Hours**

नािक-अम,स्वरूप,हवश्लेषण,हवकासकीभारतीयएविंपारसीपरम्परा
भीष्मसािनी:िानूश,राजकमलप्रकाशन,दररयागिंज,नईहदWी

भाग(ख)**08 Hours**

एकािंकी:अम,प्रकार,स्वरूप,हवश्लेषणहवकासकाऐहिताहसकिम
रीढ़कीिEी:जगदीशचन्द्रमािुर,राजकमलप्रकाशन,हदWी

भाग(ग)**07 Hours**

उपन्यास-स्वरूप,अम,हवश्लेषण,
आख्यानएविंआख्याहयकाकाहवकासताउपन्यासकाभारतीयसिंदभम।हवकासकीपहश्चमीपरम्परा
रोमािंससेउपन्यासतककीयात्ा
रणेन्द्र:गायबितादेश,पेब्लिनप्रकाशन,नईहदWी

भाग(घ)**07 Hours**

किनी:स्वरूप,अम,हवश्लेषण,हवकासिम,आदशमवादीकिनीसेआदशोन्मुखकिनीतककीयात्ा,आधुह
नकताएविंनईकिनीकादौर,किनीकेहवहवधआन्दोलन
कृष्णासोबती:हसक्काबदलगाया,राजकमलप्रकाशन,नईहदWी

Transaction Mode:

व्याख्यान,सिंगोष्ठी,ई-िीमहशक्षण,ई-ट्यूिरिंग,सिंवाद,सिकमीसमूिचाम,मोबाइलहशक्षण,स्व-हशक्षा,
सियोगात्मकहशक्षाऔरसिकारीहशक्षण

अध्ययनकेहलएसियायकपुस्तकसूची:

- ओझादशरि,हििंदिनािक:उद्भवऔरहवकास,राजपालएडसिंस,कश्मीरीगेि,हदWी,2009
- शमामजगन्नािप्रसाद,हििंदिगद्यशैलीकाहवकास,नागरीप्रचाररणीसभा,काशी,1969.
- शमामजगन्नािप्रसाद,किनीकारचनाहवधान,हििंदिप्रचारकसिंिान,हपशाचमोचनलुरावीर,वाराणसी,उत्तरप्रदेश1961.
- हमश्रराजेन्द्र,किनी,आन्दोलनऔरप्रवृहतयाँ,तक्षहशलाप्रकाशन,दररयागिंज,नईहदWी,2009
- फार्मर,इ.एम्.,उपन्यासकाहशल्य,हबिरहििंदिग्रन्थअकादमी,पिना,1973.
- ह्वािआयन,उपन्यासकाउदय,िररयाणाहििंदिग्रन्थअकादमी,पिंचकूला,1978

Course Title: Mathematical Statistics	L	T	P	Cr.
Course Code: BAT6360	2	0	0	2

Total Hours: 30

Course Learning Outcomes: On completion of this course, the successful learner will be able to:

1. Illustrate various properties of Discrete and continuous Distributions.
2. Explain concepts of sampling distribution and its standard error, Chi square, t and F distribution.
3. Grasp the concepts behind estimation and evaluate the various estimation techniques.
4. Explore the concepts of hypothesis and various useful techniques for various distributions.

Course Content

UNIT-I

12 Hours

Discrete distributions: Uniform, Bernoulli, Binomial, Negative binomial,

Geometric and Poisson. Continuous distributions: Uniform, Gamma, Exponential, Chi-square, Beta and normal; Normal approximation to the binomial distribution.

UNIT-II

12 Hours

Sampling distributions: Sampling distribution of statistics. Sampling distribution of the sample mean and variance. Sampling distribution for the normal population.

UNIT-III

12 Hours

Theory of estimation: Estimation and estimate—consistent and biased. Maximum likelihood estimation. Applications to binomial, Poisson and normal populations.

Confidence interval. Interval estimation for parameters of normal population.

Confidence intervals for mean and standard deviation of a normal population.

UNIT-IV

10 Hours

Statistical hypothesis: Simple and composite hypotheses. Tests of hypothesis -large sample tests of means and proportion. t-student, (chi-square) and F-distributions (without derivation) and testing of hypothesis based on them. Test on mean and standard deviation of normal population. Comparison of means and standard deviations of two normal populations.

Transaction Mode

Video Based Teaching, Collaborative teaching, Group Discussion, ted talks, Eteam Teaching, Flipped Teaching, Quiz, Opentalk, Case analysis.

Suggested Readings

- Medhi, J. (2000). Statistical Methods: An introductory Text, New Age International (P) Ltd.
- Gupta, S.C. and Kapoor, V.K. (2007). Fundamentals of Mathematical Statistics, S. Chand & Co.
- Cochran, W.G. (1977). Sampling Techniques, third edition, John Wiley & Sons.
- Feller, W. (2005). An Introduction to Probability Theory and Its Applications, Vol. I, Wiley.
- Uspensky, J.V. (2005). Introduction to Mathematical Probability, (McGraw Hill).
- Suggested digital platform: NPTEL / SWAYAM / MOOCs.

Course Title: Classification of Indian Music	L	T	P	Cr.
Course Code: BAT6361	1	0	0	1

Total Hours: 15

Course Learning Outcomes: After successful completion of this course, the students will be able to:

1. Study about the gharana of Hindustani music.
2. learn about the musical forms of Hindustani music
3. Learn to write the practical compositions according to the nationsystem.
4. Understand the writing notations of Vilambit Khayals & Drutkhayal in the Indian Music.

Course Content

UNIT-I

3 Hours

One Drut khayal with alaps and tanas in each of the following: Bhairvi, Ramkali, Miyan Malhar.

UNIT-II

5 Hours

Ability to play the following Taals on tabla. Ada chautaal, Jattaal, Tilwara. One Tarana with properstyle, in any of the Ragas prescribed in the Syllabus. Tuning of Tanpura. Gazal/Suffiana Qalamin prescribed Ragas with Proper Gayaki.

Unit-III

3 Hours

Origin and development of following Percussion Instruments:

Tabla, Mridang

Unit-IV

4 Hours

Origin and development of following Ghan sInstruments:

Khartaal,Manjeera

Suggested Readings

- Dr. Mrieunjaya Sharma and Dr. Ram Narayan: (2007) Sangeet manual; H. G Publications Delhi
- Dr. Yashpal Sharma (1998), Gayan Kalan; Punjabi University Patiala.
- Dr. Suman Lata (2007) Hindustani Shastri Sangeet Avam Vyavhar; Karnal Publications.
- Dr. Davinder Kaur (1910), Sangeet Anjali Publications Patiala
- Shankar Lal Mishra & Alka Katyal: Sangeet Shaster Vivechan, Punjabi University Patiala.

Course Title: Study of Ragas-III	L	T	P	Cr.
Course Code: BAT6362	0	0	2	1

Total Hours: 15

Course Learning Outcomes: After completion of this course the learner will be able to:

1. The students will be able to depth study of Raags.
2. They will be able to ability to analyse Raag chalan and develop an interest in the critical study of Raags.
3. The students will be able to develop basic skills of playing instruments like Tanpura & Harmonium
4. Students will be able to understand Comparative study of Raags.

Course Content

UNIT-I

8 Hours

One Drut khayal with alaps& tanas in each of the following:
Bhairvi, Ramkali, Miyan Malhar.

UNIT-II

7 Hours

Ability to play the following Taals on tabla. Ada chautaal, Jattaal, Tilwara. One

Tarana with proper style, in any of the Ragas prescribed in the Syllabus. Tuning of Tanpura.

Gazal/Suffiana Qalam in prescribed Ragas with Proper Gayaki.

Transaction Mode:

Performance, Lecture, Peer Group Discussion, Self-Learning, YouTube

Suggested Readings

- Bhatkhande, Vishnu Narayan, Kramik Pustak Malika Sangeet KaryalayayHathras.
- Pataki, J.D. Aprachalit Raags (Part I to II), Anubhav Publication Allahabad.
- Jha Ramashraya, Abhinav Geetanjali, Sangeet KaryalayayHathras.
- Kapila, Surinder, Sangeet Ratnavali, Punjabi University Patiala.
- Sharma, Ganesh Parshad, Raag Praveen, Kanishka Publication Delhi.
- Abhinav geetanjali Part I to V - Pt. Ram Ashray Jha, Sangeet Karyalya, Hathras

Course Title: Historical Perspectives of Gurmat Sangeet	L	T	P	Cr.
Course Code: BAT6363	1	0	0	1

Total Hours: 15

Course Learning Outcomes: On successful completion of this course, the students will be able to

- 1.learn about the historical development of Gurmat Sangeet.
- 2.Do analysis of the History o fGurmat Sangeet.
- 3.Gain knowledge of basic raags of Sri Guru Granth Sahibji.
4. Procedure command over stringed instruments.

Course Content

Unit-I 3 Hours

Contribution & amp; Development of Gurmat Sangeet in period Guru Tegbahadar jiand Guru Gobind Singhji.

Unit-II 5 Hours

Contribution of Rababi tradition in Gurmat Sangeet.

Theoretical knowledge of playing techniques of Rabab and Dilruba.

Unit-III 3 Hours

Historical Development of Gurmat Sangeet during

Guru Hargobind sahib, Guru Har Raiji, Guru Harkrishan ji.

Unit-IV 4 Hours

Historical development of musical instruments in Gurmat Sangeet.

Transaction Mode: Lecture, Problem Solving, blended learning, Discussion & Demonstration

Suggested Readings

- *Adi Granth Rag Kosh by Gurnam Singh, PvitarParmanikParkashan, Patiala.*

- *Gurmat Sangeet by Dharam Parchar Committee, Central Yatimkhana, Sri Amritsar sahib.*
- *Gurmat Sangeet Darpan by Prof. Kartar Singh, SGPC, Amritsar.*
- *Gurmat Sangeet da Sangeet Vigyan by Dr.Varinder Kaur, Amarjit Sahit Parkashan, Patiala.*
- *Gurmat Sangeet Parampara by Prof. Manjeet Kaur, Twenty-first century publications, Patiala, 2005.*
- *Gurmat Sangeet PrabandhtePasaar by Dr. Gurnam Singh, Punjabi University, Patiala.*
- *Gur Shabad Sangeet by Principal Sukhwant Singh, Gur Shabad Sangeet Akadmi, Jawaddi Taksal, Ludhiana.*
- *Gurmat Sangeet Terminology, by Dr. Gurnam Singh, Punjabi University, Patiala, 2012*
- *Sri Guru Granth Sahib Raag Ratnakar by Dr. Gurnam Singh, SGPC, Amritsar.*
- *Sri Guru Granth Sahib Raag Ratnavli by Prof. Tara Singh, Punjabi University, Patiala.*

Course Title: Practical approach to Ragas and Talas	L	T	P	Cr.
Course Code: BAT6364	0	0	2	1

Total Hours: 15

Course Learning Outcomes: After completion of this course the learner will be able to:

1. The students will be able to perform Drut Khayals proficiently the Raags of Hindustani classical music according to their syllabus.
2. The students will be able to perform the Raags of Hindustani classical music in various talas according to their syllabus.
3. Preserve, promote and propagate performing arts, particularly Hindustani Vocal Music.
4. The students will be able to develop basic skills of playing instruments like Tanpura & Harmonium

Course Content

Unit-I

8 Hours

Shabad Kirtan Performance in the prescribed Raagas Siri-one Shabad Composition.

Jaitsri - one Shabad Composition. Bairari - one Shabad Composition. Nat Narain - one Shabad Composition Kedara – one Shabad Composition.

Unit-II

7 Hours

Two shabad Reetonstringinstruments.

Ability to demonstrate the following Taals by hand in Ekgunand Duguan of Prescribed Taals: Char Taal and Ektaal

TransactionMode: Lecture, Problem Solving, blended learning, Discussion & amp; Demonstration.

Suggested Readings

- Gur Shabad Kirtan Parveshika by Dr. Gurnam Singh, Gracious Books, phase I Urban Estate Patiala, 2015.
- Gur Shabad Raga Ratnakar, by Dr. Gurnam Singh, Gracious Books, phase I Urban Estate Patiala, 2015.
- Gur Shabad Sangeet by Principal Sukhwant Singh, Gur Shabad Sangeet Akadmi, Jawaddi Taksal, Ludhiana.
- Gurmat Sangeet da Sangeet Vigyan by Dr. Varinder Kaur, Amarjit Sahit Parkashan, Patiala.

- Gurmat Sangeet PrabandhtePasaar by Dr. Gurnam Singh, Punjabi University, Patiala.
- Gurmat Sangeet by Dharam Parchar Committee, Central Yatimkhana, Sri Amritsar sahib.
- Gurmat Sangeet Darpan by Prof. Kartar Singh, SGPC, Amritsar.SriGuru Granth Sahib Raag Ratnavli by Prof. Tara Singh, Punjabi University, Patiala.
- Tabla Vaadan by Dr. jagmohan Sharma, Punjabi University, Patiala, 1996.

Course Title: Sports and Event Management	L	T	P	Cr.
Course Code: BAT6365	1	0	0	1

Total Hours: 15

Learning Outcomes: After completion of this course, the learner will be able to:

- 1.Paraphrase the concept of sports management.
- 2.Manage events of physical education and sports
- 3.Develop skills of financial management and budget making during sports events.
- 4.Development and knowledge of various sports Events

Course Content

UNIT-I

08 Hours

Management in Physical Education and Sports: Concept, Meaning, Need and Scope of Sports Management

Functions of Management: Planning, Organizing, Staffing, Directing, Controlling and Evaluating

Management Skills: Personal Interpersonal Skills, Conceptual and Technical Skills

UNIT-II

07 Hours

Managerial Roles: Interpersonal Roles, Informational Roles, Decision Making Roles

Qualities & Qualification of a Manager: Personal Qualities, Leadership Qualities, Academic and Professional Qualities
Personal Management: Introduction, Meaning, Principal Aspects of Personal Management

Transaction Mode

Lecture, Seminar, e-Team Teaching, e-Tutoring, Dialogue, Peer Group Discussion, Mobile Teaching, Self-Learning, Collaborative Learning and Cooperative Learning

Suggested Readings

- M.L. Kamlesh. Management Concepts in Physical Education and Sport (2nd revised and updateded.); New Delhi; Khel Sahitya Kendra, (2016)
- P. Cherlladurai. Sport Management –Macro Perspectives; London, Ontario (Canada); Sports Dynamics (1985)
- Allen, L. A. Management & Organization. Kogakusha Co. Tokyo, 1988
- Hert, Renis, New Patterns of Management, McGrawHill, 1961.
- Sandhu, K. Sports Dynamics: Psychology, Sociology and Management Sivia, G.S. Sports Management in Universities.

Course Title: Project	L	T	P	Cr.
Course Code: BAT6366	1	0	0	1

Total Hours: 15

Learning Outcomes: After completion of this course, the learner will be able to:

1. Develop effective project management skills, including project planning, scheduling, resource allocation, and risk assessment, to successfully execute Project Meet initiatives.
2. Analyze and apply advanced tools and techniques for project monitoring and control, ensuring that Project Meet stays on track, within scope, and on budget.
3. Demonstrate leadership and team work abilities by collaborating with diverse stakeholders, managing conflicts, and fostering a positive project environment during Project Meet execution.
4. Evaluate the outcomes and impact of Project Meet on the targeted audience or community, and prepare comprehensive reports and presentations to communicate project results effectively.

Course Content

Students will organise a project meet.

Course Title: Basic of Air Conditioning and Refrigeration	L	T	P	Cr.
Course Code: BAT6367	2	0	0	2

Total Hours: 30

Learning Outcomes:After completion of this course, the learner will be able to:

- 1.Describe the concept of refrigeration and its unit.
- 2.Describe different methods of refrigeration.
- 3.Explain air refrigeration cycle and its application in air craft.
- 4.CO5 Explain vapour absorption refrigeration system

Course Content

UNIT-I

8 Hours

INTRODUCTION: Its meaning and application, unit of refrigeration; Various methods of refrigeration.

REFRIGERANTS: Definition, classification & properties of few important refrigerants

UNIT-II

8 Hours

Refrigeration Cycles: Refrigeration, carnot cycle of refrigeration (ideal cycle).Concept of house hold refrigerator working on vapour compression cycle,

UNIT-III

7 Hours

INTRODUCTION: Its meaning and general application. Psychrometry: Definition, Composition of air, Gas and Vapour mixture, Dry and Wet bulb temperature, Wet bulb depression, Dew point, Dew point depression, Saturated air, Specific humidity, Degree of saturation, Relative humidity, Absolute humidity, Humid specific volume and humid specific heat, Enthalpy of moist air

UNIT-IV

7 Hours

ROOM AIR CONDITIONING: Brief idea of room air conditioning, Window types packaged air conditioner. Central air conditioning system, Round the year air conditioning

Suggested Readings:

- *Refrigeration & Air Conditioning, Sadhu Singh, Khanna Publishing House 2.*
- *Refrigeration and Air Conditioning: A Sarao*
- *Refrigeration and Air Conditioning: RS Khurmi*

Course Title: Basic of Air Conditioning and Refrigeration (Lab)	L	T	P	Cr.
Course Code: BAT6368	0	0	4	2

Total Hours: 30

Course Content

List of Practicals

Study on refrigeration Test Rig.

To study function and working of different parts of an Air Conditioning equipment.

Study on Heat Exchanger.

Study on compression system.

Visit report on Ice Plant.

Course Title: Community Nutrition and Public Health Hygiene	L	T	P	Cr.
Course Code: BAT6369	2	0	0	2

Total Hours: 30

Learning Outcomes:After completion of this course, the learner will be able to:

1. Provide information regarding nutritional assessment.
2. Impart nutrition education among rural and needy people.
3. Acquaint knowledge regarding food security and government and international program running in the field of community nutrition.
4. Understand Public Health and Nutrition Concepts

Course Content

UNIT-1

8 Hours

Introduction to Community Nutrition: Define Community, concept of Community nutrition, Public Health nutrition, goals of Nutrition Programme, Dietary Guidelines, Nutritional surveillance and Nutritional Assessment.

Nutritional Problem in India: Magnitude of nutritional problems in India, Protein energy malnutrition, anaemia, vitamin A deficiency, Iodine deficiency disorder, over nutrition and chronic degenerative diseases. Strategies for the control of malnutrition.

UNIT-2

8 Hours

Hygiene – Definition; Personal, Community, Medical and Culinary hygiene; WASH (Water, Sanitation and Hygiene) programme.

Rural Community Health: Village health sanitation & Nutritional committee (Roles & Responsibilities);

Community& Personal Hygiene: Environmental Sanitation and Sanitation in Public places, Public Awareness

UNIT- 3

7 Hours

Health Hazards: Definition, factors influencing health

Diseases: Common food borne and water borne diseases, mode of transmission, causative agents, symptoms and control, Sexually Transmitted infections.

Health Education: Definition, objectives, principles and methods of health education, ill effects of smoking, alcoholism and drug abuse, Population Control and Family Welfare.

UNIT-4

7 Hours

Community Nutrition Programmes: Introduction to National Nutrition programmes and policies, Integrated Child Development Services (ICDS), National Rural Development Programme (NRDP), National Rural Employment Programme (NREP).

International Community Nutrition Programmes: Food and Agriculture Organization (FOA), World Health Organization (WHO), United Nations Children's Fund (UNICEF).

Suggested Readings:

- Bamji, M.S., K. Krishnaswamy & G.N.V. Brahmam (2009) *Textbook of Human Nutrition*(3rd edition) Oxford and IBH Publishing Co. Pvt. Ltd., New Delhi
- Bendich, A and Deckelbaum, RJ, 1997. *Preventive Nutrition. The Comprehensive guide for health professional.*
- Bagchi, K. 1990. *Guidelines for the management of nutrition programmes- a manual for nutrition officers.* WHO EMRO Technical Publication no. 15, WHO, Geneva
- Srilakshmi, B., (2010) *Food Science, (5th Edition)* New Age International Ltd., New Delhi

Course Title: Community Nutrition and Public Health Hygiene (Practical)	L	T	P	Cr.
Course Code: BAT6370	0	0	4	2

Total Hours: 30**Course Content**

Nutritional Assessment Methods:Anthropometric Measurements (Height, weight, BMI, Dietary Surveys & Recall Methods (24-hour recall, food frequency questionnaire)

Meal planning for vulnerable groups (pregnant women, children, elderly).

Developing IEC (Information, Education, and Communication) materials

Conducting cooking demonstrations for healthy eating.

Conducting a commUNITY nutrition survey. Writing reports and presenting findings

Course Title: Bharatavarsha—A Land of Rare Natural Endowments	L	T	P	Cr.
Course Code: IKS0001	2	0	0	2

Total Hours:30

Learning Outcomes: After completion of this course, the learner will be able to:

Understand the concept and meaning of the Bharatavarsha

Discuss the role and impact of civilizations of India.

Describe the distinctive features of Indian vegetation, animal and mineral wealth.

Trace the influence and significance of geographical features on Indian culture.

Course Content

UNIT-I

8 Hours

Ancient India- Bharat Varsha: People of Ancient Bharat Varsha; Our great natural heritage: The great Himalayas and the rivers.

UNIT-II

8 Hours

The civilizations of the Sindhu-Ganga valley, and the Brahmaputra valley; Our coastal plains; Our Nature: Forests and Minerals; Ancient Indian Traditional Knowledge and Wisdom about nature and climate.

UNIT-III

7 Hours

Abundant rains, sunshine and warmth, vegetation, animals and mineral wealth. Most populous country in the world. India's prosperity held the world in thrall.

UNIT-IV

7 Hours

Splendid geographical isolation of India and the uniqueness of Indian culture. Characteristics of Indian culture, Significance of Geography on Indian Culture

Transactional Mode:

Seminars, Group discussion, Team teaching, Focused group discussion, Assignments, Project-based learning, Simulations, reflection and Self-assessment

Suggested Readings:

- *Baladev Upadhyaya, Samskrta Śāstromka Itihāsa, Chowkhambha, Varanasi, 2010.*
- *D. M. Bose, S. N. Sen and B. V. Subbarayappa, Eds., A Concise History of Science in India, 2nd Ed., Universities Press, Hyderabad, 2010.*
- *Chakravarti, Ranabir: Merchants, Merchandise & Merchantmen, in: Prakash, Om (ed.): The Trading World of the Indian Ocean, 1500-1800 (History of Science, Philosophy and Culture, 362 in Indian Civilization, ed. by D.P. Chattopadhyaya, vol. III, 7), Pearson, Delhi, 2012, pp. 53-116.*
- *Chaudhuri, Kirti N.: Trade and Civilisation in the Indian Ocean, CUP, Cambridge, 1985.*
- *Malekandathil, Pius: Maritime India: Trade, Religion and Polity in the Indian Ocean, Primus Books, Delhi, 2010.*
- *McPherson, Kenneth: The early Maritime Trade of the Indian Ocean, in: ib.: The Indian Ocean: A History of People and The Sea, OUP, 1993, pp. 16-75.*
- *Christie, J.W., 1995, State formation In early Maritime Southeast Asia, BTLV*
- *Christie, J.W., 1999, The Banigrama in the Indian Ocean and the Java sea during the early*
- *Asian trade boom, Communarute's maritimes de l'ocean indien, Brepols*
- *De Casparis, J.G., 1983, India and Maritime Southeast Asia: A lasting Relationship, Third Sri Lanka Endowment Fund Lecture.*
- *Hall, K.R., 1985, Maritime Trade and State development in early Southeast Asia, Honolulu. Walters, O.W., 1967, Early Indonesian Commerce, Ithaca.*

Course Title: Punjabi Rekha chottarte Sahit de Roop (ਪੰਜਾਬੀ ਰੇਖਾ ਚਿਤਰਤੇ ਸਾਹਿਤ ਦੇ ਰੂਪ)	L	T	P	Cr.
Course Code: BAT6371	2	0	0	2

Total Hours: 30**Learning outcomes:** ਇਸ ਕੋਰਸ ਨੂੰ ਪੂਰਾ ਕਰਨ ਉਪਰੰਤ ਵਿਦਿਆਰਥੀ:

ਰੇਖਾ ਚਿਤਰ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਨਗੇ।
 ਵਿਆਕਰਨ ਕਸ਼ਟੀਆਂ ਤੋਂ ਜਾਣੂ ਹੋਣਗੇ।
 ਸਾਹਿਤ ਅਤੇ ਹੋਰ ਰੂਪਾਂ ਬਾਰੇ ਸਮਝਣ ਦੇ ਸਮਰਥ ਹੋਣਗੇ।
 ਆਧੁਨਿਕ ਸਾਹਿਤ ਦੇ ਦ੍ਰਿਸ਼ਟੀ ਰੂਪਾਂ ਨੂੰ ਸੁਝਾਉਣ ਲਈ ਸਮਝਣਗੇ।

Course Content**ਭਾਗ-ੳ.****08 Hours**

ਹੁਸੀਨ ਚਿਹਰੇ (ਬਲਵੰਤ ਗਾਰਗੀ)

ਭਾਗ-ਅ**07 Hours**

ਵਿਆਕਰਨ :

(ੳ) ਵਿਆਕਰਨ ਕਸ਼ਟੀਆਂ : ਲਿੰਗ ਅਤੇ ਵਚਨ

(ਅ) ਨਾਂਵ ਵਾਕਾਂਸ਼ ਅਤੇ ਕਿਰਿਆ ਵਾਕਾਂਸ਼ : ਪਰਿਭਾਸ਼ਾ, ਬਣਤਰ ਤੇ ਪ੍ਰਕਾਰ

ਭਾਗ-ੲ**08 Hours**

ਸਾਹਿਤ ਅਤੇ ਹੋਰ ਅਨੁਸ਼ਾਸਨ : ਸਾਹਿਤ ਅਤੇ ਸਮਾਜ, ਸਾਹਿਤ ਅਤੇ ਸ਼ਖਸੀਅਤ, ਸਾਹਿਤ ਅਤੇ ਸਭਿਆਚਾਰ

ਭਾਗ-ਸ.**07 hours**

ਆਧੁਨਿਕ ਸਾਹਿਤ ਰੂਪ (ਦ੍ਰਿਸ਼ਟੀ ਰੂਪ): ਨਾਟਕ ਅਤੇ ਇਕਾਂਗੀ

ਪੁਸਤਕ ਸੂਚੀ

- ਪਰਮਿੰਦਰ ਸਿੰਘ, ਕਿਰਪਾਲ ਸਿੰਘ ਕਸੇਲ, ਸਾਹਿਤ ਦੇ ਰੂਪ, ਲਾਹੌਰ ਬੁੱਕ ਸ਼ਾਪ, ਲੁਧਿਆਣਾ।
- ਬੂਟਾ ਸਿੰਘ ਬਰਾੜ, ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਸਰੋਤ ਤੇ ਸਰੂਪ, ਵਾਰਿਸ਼ਾਹ ਫਾਊਂਡੇਸ਼ਨ, ਅੰਮ੍ਰਿਤਸਰ
- ਸੁਖਵਿੰਦਰ ਸਿੰਘ ਸੰਘਾਂ, ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਵਿਗਿਆਨ, ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਕਾਦਮੀ, ਜਲੰਧਰ
- ਰਤਨ ਸਿੰਘ ਜੱਗੀ, ਸਾਹਿਤ ਦੇ ਰੂਪ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ
- ਅਬਨਾਸ਼ ਕੌਰ, ਪੰਜਾਬੀ ਰੇਖਾ ਚਿਤਰ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ
- ਸ. ਪ. ਸਿੰਘ ਅਤੇ ਜਸਵਿੰਦਰ ਸਿੰਘ, ਕਥਾਲੋਕ, ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ

Course Title: Hindi (हिन्दीनिर्वाच)	L	T	P	Cr.
Course Code: BAT6372	2	0	0	2

Total Hours: 30**Course out Come**

- छात्रनिबंधकेस्वरूपसेपरिचितहोंगे।
- छात्रोंमेंवस्तुविश्लेषणकीक्षमताविकसितहोगी।
- छात्रनिबंधकेविविधप्रकारोंसेअवगतहोंगे।
- छात्रोंमेंसृजनात्मकअमताकाविकासहोगा।

Unit 1**08 Hours**

(i) निका: परिभाषा, अर्थएवंस्वरूप-विकास।

(11) निबन्ध :वीर्यन्त्याएवंउसकाआचार।

Unit 2**08 Hours**

i) विषयप्रधाननिर्वाच :इतिहासकाअवलोकन, औरवर्तमानपरिप्रेक्ष्य

(11) हिन्दीकेप्रमुखविषय-प्रधाननिबन्धाकार

Unit 3**07 Hours**

विषयीप्रधानमाललितव्यक्तिक) निषेच्ाःइतिहास, वर्तमानऔरभविष्य

1हिन्दीकेप्रमुखललितनिबन्धकार (कहजारीप्रसादद्विवेदी, कुबेरनाथराम, विद्यानिवासमिश्र, विवेकीराम, कन्हैयालालमिश्र 'प्रभाकर')

Unit 4**07 Hours**

हिन्दीकेमहत्त्वपूर्णनिबन्धा :

विषयप्रधान :श्रद्धाऔरभक्ति (रामचन्द्रशुक्काकलाकारऔरसौंदर्य (रामविलासशर्मा)
सहजसाचानाहजारीप्रसादद्विवेदी), कविताकेनयेप्रतिमान (नामवरसिंह),
लघुमानवकेबहानेनईकवितापरएकबहस (विजयदेवनारायणसाही)

सहायकपुस्तकें

- हिन्दीनिकलकरविकास :ओंकारनाथशर्मा

- निर्वाचः सिद्धान्तऔरप्रयोगः डॉ०हरिहरनाथद्विवेदी
- विचारऔरविवेचन :डॉ०नगेन्द्र, २०११ईदिल्ली-
- शास्त्रीयसमीक्षाकेसिद्धान्तः डॉ०गोविन्दतिगुणायतभारतीसाहित्यमंदिर, फव्वारा, दिल्ली
- हिन्दीमेंनिबंध- साहित्य :जनार्दनस्वरूपअग्रवाल, साहित्यभवन, लिमिटेड, प्रयाग
- हिन्दीगद्यसाहित्य :रामचन्द्रतिवारी, विश्वाविद्यालयप्रकाशन, चौक, वाराणसी

Course Title: Literature, Review and Story Writing in English	L	T	P	Cr.
Course Code: BAT6373	2	0	0	2

Total Hours: 30

Course Outcomes: After completion of this course, the learner will be able to:

1. Critically analyse and interpret the theme of caste discrimination, identity and self-worth, and social activism and change in the selected text.
2. Critically analyse and interpret the themes of parental concern, choices and consequences, nature, and identity in the selected poetic pieces.
3. Analytically evaluate literary works, and construct persuasive letters addressing pertinent issues.
4. Craft compelling narratives from unstructured outlines, with Compelling characterization and plotlines.

Course Content

Unit-1

09 Hours

Untouchable by Mulk Raj Anand

Unit-2

10 Hours

Selected College Poems (Orient Longman). Edited by Ambika Sengupta - The following poems from this book are prescribed:

A Prayer for My Daughter

The Kingfisher

Night of the Scorpion

Punishment in Kindergarten.

Unit-3

06 Hours

(a) Book Review

(b) Letter to Editor

Unit-4

05 hours

Development of a story from a given outline of 3-4 lines (Guided Composition)

ReferenceBooks:

- Anand, MulkRaj. *Untouchable*. Penguin Books, 2014.
- Sengupta, Ambika, editor. *Selected College Poems*. OrientLongman.
- Sova, Dawn B. *How to Write Critical Essays: A Guide for Students of Literature*. Routledge, 2018.
- The Editorial Board. *Letters to the Editor: A Guide to Writing Effective Letters*. Oxford University Press, 2016.
- Rosen, Leonard J. *Successful Writing at Work: Concise Third Edition*. Cengage Learning, 2015.