GEOGRAPHY

Programme Learning Outcomes

Learning outcomes describe the measurable skills, abilities, knowledge, or values that students should be able to demonstrate as a result of completing a course.

Programme Learning outcomes in geography can include:

Understanding Basic concepts

Students can learn about the concepts of space, place, and region, and how they explain world affairs. They can also learn about demographic principles and their patterns at regional and global scales.

Identifying physical and cultural features, phenomena and processes

Students can learn to locate major physical features, cultural regions, and individual states and urban centers on a map and the processes involved.

Analyzing and Using geographic data

Students can learn to acquire, analyze, evaluate, and interpret geographic data for the human benefit.

Communicating geographic data

Students can learn to communicate geographic data, theories, philosophies, and concepts in oral, written, and visual forms.

Applying geographic concepts

Students can learn to identify and assess how geographic concepts apply in the workplace and in everyday life.

Understanding world views

Students can learn to demonstrate an awareness of multiple world views, and how each is shaped by the interaction of physical and social factors.

Understanding international trade

Students can learn to explain the nature of composition and direction of international trade in the world.

Using cartographic and statistical techniques

Students can learn to develop skills and techniques for transformation of globe information to paper and using statistical techniques for understanding the geographical reality.

GEOGRAPHY (GGY122J and GGY122N) 1st Semester

Course Name: Physical Geography (Batch:2023)

Course Outcomes

1. Students will learn the basic principles and concepts of Physical geography. They will get equipped with the knowledge of the different processes and agencies that change the landscape of the Earth’s surface relentlessly.

2. The course exposes them to the behaviour of the atmosphere and its role in day to day. They get the fundamental knowledge of the atmospheric disturbances like cyclones, monsoons, etc.

3. Students will understand the ocean bottom features and the treasures contained in the oceans.

4. The course will introduce students to the cartographic techniques. It will equip them with the ways to draw maps of different types and the methods of map interpretation.

5. The practical portion will expose them to the methods of representing physical and socio-economic data through diagrams and maps.

Name of the Department: Department of Bioresources
Name of the Program: B.Sc. Bioresources
Duration of the Degree: 3 Years **Program Code: BRS122J-BRS622J3**

The purpose of the Bachelors program in Bioresources is to develop knowledge and skills about the conservation and sustainable use of bioresources and to prepare students for a professional career in academia, industry, or research studies. Since Bioresources is a multidisciplinary the theory and practical modules included in U.G Bioresources provide the right mix of animal, plant, and microbial sciences to have an integrated understanding and multidisciplinary approach for problem-solving related to the conservation of Bioresources and their sustainable use. The program was envisaged to establish a sustainable technology for the exploration, development, and commercialization of a spectrum of high-value compounds for human and animal health derived from a diversity of bioresources (plants, animals, and microbes) based on innovation. The program aims to develop a close and profitable interface between academic institutions, research laboratories, and industries for the sustainable utilization of bioresources.

Program Educational Objectives (PEOs)

PEO 1	To update, extend and deepen students 'knowledge thorough a flexible, research-intensive program **akin to academia and industry requirements.**
PEO 2	To enhance career opportunities in industry, clinical settings both locally and globally or as a preparation for further higher education through in-house state of the art laboratory exposures and outbound dissertation activities **fostering Global Competencies among Students.**
PEO 3	To enable critical thinking and full-fledged grasp of essential aspects of bioethics i**nculcating a Value System among Students.**
PEO 4	To enrich the global think-tank's with right mixes of innovative ability, existing policies at generating and safeguarding the product of their intellect, equipped with

	entrepreneurship abilities **contributing to self and national development.**

Program Outcomes (POs)

L	T	P
60	4	2

PO1	Grasp of basic and advanced knowledge on identification, collection and processing of medicinal important plants of Himalayas. Utilization of traditional knowledge in Bioprospecting and its role in national food safety and security
PO2	Management of Bioresources for the Sustainable development by monitoring biodiversity conservation programmes, the acts and policies of the State/Nation
PO3	Ability to Utilize the Microbes for production of food and beverages. Use of Microbes as Biosensors and in Bioremediation of environmental pollution
PO4	Develop trained human capital for various research organizations to conduct research pertaining to Bioenergy, Biofuels, Biomedicine, Biocosmetics, Biofertilizers & Biopesticides
PO5	Understand status and scope of various bio-based industries and chances of employment and entrepreneurship opportunities in important regions.
PO6	Ability to Identify, collection and processing of animal and animal based products and their commercialization.
PO7	Utilization of Bioresources from animals, plants and microbes for use of cosmetic products/ pharma & Agriculture sector.
PO8	Acquaint the students about basics of molecular biology & immunology
PO9	Ability to utilize the herbs/livestock in various industrial sector using cutting-edge technology
PO10	Grasp the basics and advanced knowledge about cell biology/biochemistry

Semester I

Course title: Bioresources-I (Fundamentals of Bioresources
Course Code: BRS122J

CO1	This course has been designed to acquaint students fundamentals of bioresources (Plant, Animals & Microbial

	resources)
CO2	To know about conservative measures of Bioresources
CO3	To acquaint students with green energy initiatives besides livelihood & its relation with Bioresources management.
CO4	To know about Bioresources management through various policies

Semester II

Course title: Bioresources-II (Plant Resources)
Course Code: BRS222J

L	T	P
60	4	2

CO1	This course has been designed to acquaint students with plant bioresources, their traditional and non-traditional uses, current status and recent developments in value addition and future prospects.
CO2	To know about origin and domestication of important food and medicinal plants.
CO3	To acquaint students with traditional uses of plant Bioresources.
CO4	To know about value addition of medicinal plants.

Semester III

Course title: Bioresources (Animal Resources)
Course Code: BRS322J

L	T	P
60	4	2

CO1	This course has been designed to acquaint students different industries based on animal resources
CO2	To know about breeding improvement programs of farm animal.
CO3	To acquaint students with modern aquaculture practices as a source of livelihood.

CO4	To know about value addition of insect-based industrial products.

L	T	P
60	4	2

Semester IV

Course title: Bioresources – Microbial Resources
Course Code: BRS422J1

CO1	This course has been designed to acquaint students general biology of microbial resources
CO2	To know about different techniques in the microbiology and microbes of industrial importance.
CO3	To acquaint students with application of microbial technology in the agriculture and waste water treatment.

L	T	P
45	3	1

Semester IV

Course title: Bioresources – Bioresources in Immune Modulation
Course Code: BRS422J2

CO1	The objectives of this course are to make students learn about the structural features of the components of the immune system as well as their function
CO2	To know about Immunomodulatory leads from medicinal plants
CO3	To acquaint students enhancement of immune responses by different foods.
CO4	To know about Immunomodulatory Compounds from Marine Organisms

Semester IV

Course title: Bioresources – Biomolecules
Course Code: BRS422J3

CO1	The course is designed to make students appreciate the structure and importance of various biomolecules involved in sustenance and perpetuation of living organisms.

L	T	P
45	3	1

CO2	To acquaint students with the shape, structure, function and importance of proteins.
CO3	Learn the elements that are present in biomolecules and different monomers and polymers
CO4	Students will understand chemical properties, structure and function of different secondary metabolites and its importance

L	T	P
60	4	2

Semester V

Course title: Bioresources – Herbal Technology
Course Code: BRS522J1

CO1	The course is designed to equip the students various herbs processing & extraction techniques
CO2	To acquaint students with the herbs in the complementary & alternative system of medicine.
CO3	Learn how different herbs play a pivotal role in the cosmetic industry

L	T	P
60	4	2

Semester V

Course title: Bioresources – Fungal Resources & Diseases
Course Code: BRS522J2

CO1	This course has been designed to acquaint students general biology of fungal resources
CO2	To acquaint students with industrial applications of fungal resources viz., medicine, beverage, confectionery

	industry.
CO3	Learn about various fungal diseases and antifungal drugs
CO4	Learn about various fungal diseases in agriculture and fungi as biocontrol agents

Semester V

L	T	P
60	4	2

Course title: Bioresources – Cell Biology
Course Code: BRS522J3

CO1	The present course has been devised to familiarize students with the structural and functional aspects of cell, the basic unit of life, and its different organelles. Knowing the components of cells and how they work is fundamental to all biological sciences.
CO2	Students will understand structure and function of different cell organelles
CO3	Students will be able to understand the cyclic events of cell division and types of cell division.
CO4	Will understand cell signaling and processes of cell cycle, cell death and cellular aging.

Semester VI

Course title: Bioresources – Industrial Entomology
Course Code: BRS622J1

L	T	P
60	4	2

CO1	The present course has been devised to familiarize students with the apiculture industry and its management
CO2	Students will understand the sericulture industry and its role in the nation economy
CO3	The present course has been devised to familiarize students with the Lac industry and its management

Semester VI

Course title: Bioresources – Livestock Product Technology
Course Code: BRS622J2

CO1	The present course has been devised to familiarize students basis & general aspects of livestock products

L	T	P
45	3	1

CO2	Students will understand standardization and quality control of packaging material of animal products
CO3	Students will be able to understand the quality control management and marketing of livestock products
CO4	Will learn the post-harvest technology of farm animals and bio-utilization of waste and byproducts

Semester VI

Course title: Bioresources – Molecular Biology
Course Code:BRS622J3

L	T	P
60	4	2

CO1	The course has been devised to familiarize students with Molecular Biology which chiefly deals with interactions among various systems of the cell, including those between DNA, RNA and proteins and learning how these are regulated.
CO2	To gain an understanding of DNA synthesis & repair
CO3	To gain an understanding of RNA synthesis & Processing
CO4	To gain an understanding of Protein synthesis & processing

Semester II – Multidisciplinary course

L	T	P
45	3	1

Course title: Bioresources – Bioindustries
Course Code: BRS022I

CO1	The present course has been devised to familiarize students with the concept of Bioindustries and its scope
CO2	Students will understand the waste to wealth technology

CO3	The present course has been devised to familiarize students Bioentrepreneurship and Green economy

Course Outcomes (COs)

A course on Bioresources focuses on the study, utilization, management, and conservation of biological resources. Below are potential detailed Course Outcomes (COs) for a generic Bioresources course:

1. **Understanding Biodiversity**
    - Explain the concept of biodiversity and its importance to ecosystems, agriculture, and industries.
    - Identify and classify various types of Bioresources, including plants, animals, and microorganisms.
2. **Sustainable Resource Management**
    - Analyze strategies for the sustainable utilization of Bioresources in various sectors, such as agriculture, forestry, and biotechnology.
    - Assess the ecological, economic, and social implications of Bioresources exploitation.
3. **Biotechnology Applications**
    - Demonstrate an understanding of the role of biotechnology in the conservation and enhancement of Bioresources.
    - Apply biotechnological tools for resource improvement and management, such as genetic engineering and microbial techniques.
4. **Conservation Practices**
    - Develop knowledge of conservation techniques, including ex-situ and in-situ conservation methods.

- Propose innovative solutions for preserving endangered species and habitats.

5. **Policy and Ethics**
    - Understand global and national policies related to the use and conservation of Bioresources.
    - Evaluate ethical issues associated with Bioresources exploitation, including biopiracy and intellectual property rights.
6. **Entrepreneurship and Industry**
    - Explore Bioresources as potential avenues for entrepreneurship in pharmaceuticals, agriculture, bioenergy, and biomaterials.
    - Identify market trends and challenges in the Bioresources sector.

Course and Program Outcome of various Semesters of Economics

A. Course Outcome IST Semester batch 2023 Course Description: This is a core course of 06 credits (01 credit for each unit with last two units as tutorials). The course starts with some basic concepts required for understanding the essence of subject, followed by law of demand and supply along with the concepts like market equilibrium, utility, budget line and consumer's equilibrium. The course concludes with the basic concepts associated with producer's equilibrium. Overall focus of the course is to foster knowledge, comprehension and skills among the learners. Course Objective: The course is designed to expose the students to the basic principles of microeconomic theory. The course illustrates how microeconomic concepts can be applied to analyze real life situations. Learning Outcomes: After completing this course, the student is expected to: LO1: Develop a basic understanding of theoretical concepts in

microeconomics LO2: Exhibit a broad understanding of the theory of demand and be in a position to calculate demand elasticity under different circumstances. LO3: Demonstrate an understanding of utility theory and analyze changes in budget and its impact on consumer's equilibrium LO4: Acquire the skills to calculate revenue and cost functions of a firm. B. Course Outcome 3rd Semester batch 2022 Course Description: This is the core course of 06 credits (01 credit for each unit with the last two units as tutorials). The course starts with some basic concepts required for understanding the essence of the subject. It covers topics such as money supply, monetary standards, and the structure of Indian financial system. The course also includes tutorials that explore additional aspects such as inflation targeting, credit creation, and the impact of digital money and crypto-currency. Course Objective: The objective of this course "Monetary Economics" is to provide students with a comprehensive understanding of concepts and measures of money supply. The course enables the students to understand the structure of Indian Financial System and conduct of monetary policy by the RBI. Learning Outcomes: After completing this course, the students are expected to: L01: Demonstrate a clear understanding of the fundamental concepts of money, its evolution, and the functions it serves in an economy. L02: Analyse and evaluate how to measure the money supply, and the factors influencing money supply, including high-powered money. L03: Analyse the structure of Indian Financial System including its various components. L04: Evaluate the role of the Reserve Bank of India in conducting monetary policy. C. Course Outcome 5th Semester batch 2021 Course Description This is the first part of a two-part course on economic development. The course begins with a discussion of alternative conceptions of development and their justification. It then proceeds to develop various measures of inequality and connections between growth and inequality are explored. The course ends by discussing various theories of economic development. After completing this course, the students are expected to: LO1: Demonstrate a good understanding of basic concepts of development, poverty and inequality. LO2: Gain a comprehensive idea about historical and contemporary processes of development. LO3: Understand the role of labour and migration in the process of economic development.

Govt. Degree College Bijbehara

Department of Geography

Course Outcome of BG 1st semester for "Disaster Management (Emergency Response)"

SKILL ENHANCEMENT COURSE

Course Code: DMG122S

CREDITS 2+2

- To explain the fundamental principles and objectives of emergency response in disaster scenarios.
- Analyze the critical components required for an effective emergency response, including coordination, communication, and logistics.
- To learn how to apply the do's and don'ts during earthquakes, floods, and heatwaves to minimize risks and ensure personal safety.
- Demonstrate awareness of safety practices during fires and accidents to prevent injuries and loss of life.
- To learn the correct techniques for using fire extinguishers, including understanding different types and their appropriate applications.
- To respond effectively to fire emergencies through quick decision-making and proper equipment use.
- To perform Cardiopulmonary Resuscitation (CPR) accurately to provide life-saving assistance during emergencies.
- Develop strategies to optimize the use of resources during emergencies.
- Integrate risk assessment and mitigation measures into preparedness planning.

- To define and apply key terms such as search, rescue, evacuation, and relief in practical disaster response scenarios.
- Demonstrate the ability to coordinate search and rescue operations effectively.
- Assess the psychological impacts of disasters, including stress, trauma, rumours, and pain, on individuals and communities.
- Develop psychological first-aid techniques to support affected populations.
- Apply basic and advanced medical aid techniques to manage injuries and health crises during emergencies.
- To collaborate with healthcare teams to ensure timely and effective medical responses.
- Develop the ability to implement proactive measures to reduce the impact of disasters and emergencies.
- Practice preparedness techniques to respond swiftly and effectively during crisis situations.

By the end of the course, students will be equipped with essential safety knowledge and hands-on skills to protect themselves and assist others in various emergency scenarios.

Department of Geography

Outcome course of BG 3rd Semester for "Disaster Management (Technology Interventions in Disaster Management)

SKILL ENHANCEMENT COURSE

Course Code: DMG322S
CREDITS 2+2

- To analyze the role of Information and Communication Technology (ICT) in disaster preparedness, response, and recovery.
- To evaluate tools and technologies for efficient communication and data management during disasters.
- To demonstrate the effective use of social media platforms for real-time disaster communication and community mobilization.
- To understand the mechanisms of early warning systems for extreme weather events.
- To assess the effectiveness of early warnings in reducing risks and enabling timely evacuation and preparedness.
- To use geospatial software for creating and managing inventories of essential resources for disaster response.
- Critically evaluate existing disaster management frameworks and propose technology-driven improvements.
- To foster innovative approaches using ICT and social media to address gaps in disaster response and recovery.
- To conduct rapid visual assessments of critical infrastructure such as educational and healthcare institutions to identify vulnerabilities and prioritize interventions.
- To apply assessment techniques to ensure the resilience and safety of essential community facilities during disasters.
- Utilize rapid assessment tools to support evidence-based decision-making during disaster response and recovery phases.
- Prioritize resource allocation based on assessment findings to optimize disaster recovery efforts.
- Demonstrate the ability to use field-based assessment techniques in real-world disaster scenarios.

By the end of the course, students will be equipped with the analytical and practical skills to evaluate disaster impacts

effectively, ensuring informed planning, response, and recovery actions for resilient communities.

3rd Semester Course Outcomes: Political science

1. Advanced Constitutional Provisions:
   - Explore special provisions for scheduled castes, scheduled tribes, minorities, and backward classes.

2. Governance Challenges:
   - Examine contemporary challenges like corruption, criminalization of politics, communalism, and regionalism.

3. Public Policies and Welfare:
   - Study the impact of public policies on socio-economic development, with a focus on schemes for marginalized communities.

4. Judicial Review and Activism:
   - Analyze the role of the judiciary in upholding constitutional values and addressing social issues through judicial activism.

5. Global Perspective:
   - Compare the Indian political system with other democratic systems, highlighting its unique features and shared challenges.

6. Citizen Engagement:
   - Encourage active participation in governance through understanding mechanisms like Right to Information (RTI) and Public Interest Litigation (PIL)

3rd Semester
Course Objective:
The course provides an overview of international politics. It provides a
comprehensive understanding of emergence of modern state system and the development of
international politics as a distinct field of study. It will also provide students with the background
of the evolution of the discipline along with the changing nature and scope of international

politics. The course further provides a broad overview of the major key concepts of the subject. It
also introduces the emergence of UN system, its working and reforms, along with Cold War, Nam
and end of bipolarity and the emergence of uni-polar moment in the aftermath of end of Cold
War. Finally the course also provides an overview of contemporary dynamics of international
politics, by focusing on the issues of Globalization, IPE, Regional Integration and the current
dynamics of emerging multi-polarity and the return of Great Power politics in Asia.
5th Semester

Course Outcomes:
1. *Understanding Key Concepts*
   - Develop a comprehensive understanding of the major themes and concepts in contemporary political theory, including justice, liberty, equality, democracy, and rights.

2. Engagement with Theorists
   - Critically analyze the works of prominent contemporary political theorists such as John Rawls, Robert Nozick, Charles Taylor, Michel Foucault, and others.

3. Philosophical and Ideological Debates
   - Explore and evaluate the debates around liberalism, communitarianism, feminism, multiculturalism, and postmodernism.

4. Practical Application
   - Apply theoretical frameworks to contemporary political and social issues such as inequality, globalization, environmental politics, and identity politics.

5. Research and Critical Thinking
   - Enhance research skills by engaging with primary and secondary texts and develop critical thinking through discussions and analysis of contemporary political theories.

6. Comparative Perspectives
   - Compare and contrast Western political theories with non-Western perspectives, recognizing the diversity in theoretical frameworks and their relevance in a globalized world.

7. Development of Analytical Skills

- Build analytical skills to assess the relevance of political theories in understanding and addressing real-world problems.

[2:26 pm, 26/11/2024] Dr Aijaz Ul Haq Bijbehara: Programme Outcome

Multidisciplinary Subject: Indian Political System

The Indian Political System course introduces students to the foundational principles, institutions, processes, and challenges of the Indian political framework. Designed for students from diverse disciplines, it ensures that learners develop a holistic understanding of the system's operation and its socio-political implications.

First Semester Course outcome:

The course is introductory in nature and shall help students to understand

the basic concepts in Political Theory. The conceptual understanding will smoothen their path towards

the more advanced theoretical debates in Political Theory and Political Philosophy. Furthermore, the

Field-work/Internship offers an opportunity to understand the working and nature of political institutions

and processes.

LEARNING OUTCOME:

1. To introduce students to basic conceptual categories

2. To make them familiar with the advanced theoretical debate in Political Theory & Political

Philosophy

3. To relate concepts to daily political practice

4. To bridge gap between theory and practice of Political Science

5. To enhance skill and job potential of students.

Course outcome of B.A in Education- Major Courses

- **Philosophical Foundations of Education- BG 1st Semester**

generally, aims to provide students with a comprehensive understanding of the underlying philosophies that have shaped educational theories, practices, and policies. Here are some key outcomes that students can expect upon completing such a course:

1. Students will gain familiarity with essential philosophical movements (e.g., idealism, realism, pragmatism, existentialism, and constructivism) and their influence on education.
2. Students will be able to trace how educational philosophies have evolved over time and relate them to modern educational practices.
3. The course encourages students to critically assess their own beliefs and assumptions about education, teaching, and learning, leading to more informed and reflective professional practice.
4. Students will learn how to apply philosophical perspectives to real-world educational challenges, such as curriculum development, teaching methods, and the purpose of education in society.
5. Students will explore the ethical dimensions of education, including issues of equality, justice, and the role of the educator, fostering a commitment to ethical responsibility in their professional lives.

In sum, this course equips students with a deep understanding of how philosophical ideas shape the goals, methods, and values of education, preparing them to engage thoughtfully with educational issues and to make principled, informed decisions as educators.

- **Sociological Foundations of Education- 2nd Semester**

Sociological Foundations of Education is designed to help students understand the relationship between education and society, exploring how social structures, norms, and values influence educational processes and outcomes. Here are some typical course outcomes:

1. Students will explore the purpose of education within social contexts, including its roles in socialization, cultural transmission, and social change.
2. Students will learn about key sociological theories (such as functionalism, conflict theory, symbolic interactionism, and critical theory) and how these theories explain various aspects of education.
3. Students will examine how factors like class, race, gender, and ethnicity affect access to and quality of educational opportunities, leading to an understanding of educational inequality.
4. The course helps students understand how education intersects with other social institutions, such as the family, government, and economy, influencing educational policies and practices.
5. Students will learn to apply sociological perspectives to analyze current issues in education, such as the achievement gap, educational reforms, and multicultural education.

   In sum, this course aims to prepare students to view education through a sociological lens, helping them understand the complexities of educational systems within broader social structures and equipping them to contribute to positive social change in educational settings.

❖ **Psychological Foundations of Education- 3rd Semester**

Psychological Foundations of Education is designed to give students insight into how psychological principles and theories can be applied to educational settings. Here are common course outcomes that students may achieve:

1. Students will become familiar with fundamental theories of learning, motivation, development, and behavior from areas like cognitive, behavioral, and developmental psychology.
2. Students will learn how different learning theories (e.g., behaviorism, cognitivism, constructivism, social learning theory) inform instructional strategies and classroom management.
3. The course helps students understand the stages of cognitive, emotional, and social development, and how these influence learning processes and educational needs.
4. Students will explore theories of motivation, such as intrinsic and extrinsic motivation, self-determination

theory, and expectancy-value theory, to foster positive learning environments and encourage student engagement.
5. Students will examine factors that contribute to individual differences, such as intelligence, learning styles, and personality, and learn strategies to address diverse learner needs.

In summary, the course equips students with a strong understanding of how psychological principles can enhance teaching and learning, enabling them to create educational experiences that are responsive to students' developmental, cognitive, and emotional needs.

❖ **Indian Education in Historical Perspective- J1-** 4th Semester

Indian Education in Historical Perspective typically aims to provide students with a deep understanding of how the Indian education system has evolved over time, shaped by various cultural, political, and economic influences. Here are some common course outcomes:

1. Students will gain knowledge about the foundations of Indian education during ancient and medieval periods, including the Gurukul system, Buddhist monastic education, and centers of learning like Nalanda and Takshashila.
2. The course covers the transformation of Indian education under British rule, exploring the introduction of Western education, English as a medium of instruction, and the establishment of formal schooling systems.
3. Students will study how education was a tool for both control and resistance during the Indian independence movement, including the rise of nationalist schools and educational contributions by leaders like Mahatma Gandhi, Rabindranath Tagore, and B.R. Ambedkar.
4. The course covers significant post-independence education policies, including the Radhakrishnan Commission, Kothari Commission, and the impact of Five-Year Plans on literacy, school expansion, and the establishment of higher education institutions.
5. Students will gain insight into the development of the current Indian education system, focusing on universal primary education, policies promoting literacy and equality, and the role of education in economic development.

In summary, this course provides students with a comprehensive understanding of the evolution of Indian education, equipping them with historical insights to critically analyze and engage with contemporary educational challenges and reforms.

- **Inclusive Education- J2- 4th Semester**

Inclusive Education aims to equip students with the knowledge, skills, and attitudes needed to create and support educational environments that accommodate all learners, regardless of their abilities, backgrounds, or special needs. Here are typical course outcomes:

1. Students will learn the fundamental principles of inclusive education, such as equity, access, participation, and respect for diversity.
2. Students will understand key national and international policies, laws, and conventions related to inclusive education, such as the Rights of Persons with Disabilities Act, the UN Convention on the Rights of Persons with Disabilities (CRPD), and the Salamanca Statement.
3. The course will help students recognize common barriers to inclusive education, including physical, social, cultural, and attitudinal obstacles that may hinder learners with diverse needs.
4. Students will learn strategies to foster an inclusive culture within educational settings, ensuring that diversity is valued and that all students feel accepted and supported.
5. Students will acquire skills in differentiated instruction and universal design for learning (UDL) to tailor teaching methods, materials, and assessments to meet the diverse needs of all learners.

In summary, this course equips students with the theoretical knowledge and practical skills necessary to create inclusive educational environments that accommodate and support the learning and growth of all students.

- **Environmental Education- J3- 4th Semester**

Environmental Education is designed to enhance students' understanding of the natural environment and foster attitudes and behaviors that promote environmental sustainability. Here are some typical course outcomes:

1. Students will gain knowledge of essential ecological concepts, such as ecosystems, biodiversity, conservation, and sustainability.
2. Students will explore local and global environmental challenges, such as climate change, pollution, deforestation, loss of biodiversity, water scarcity, and waste management.
3. The course helps students understand the complex relationships between human activities and the environment, including the social, economic, and cultural factors that impact environmental sustainability.
4. Students will develop a sense of environmental responsibility and learn ways to advocate for sustainable practices in their personal lives, communities, and professional contexts.
5. Students will gain knowledge of key environmental policies, regulations, and international agreements, such as the Paris Agreement, to understand how governance influences environmental protection efforts.
6. The course often covers sustainable practices and technologies that reduce environmental impact, including renewable energy, resource conservation, recycling, and sustainable agriculture.

In summary, this course equips students with the knowledge, attitudes, and skills necessary to understand, promote, and engage in environmental sustainability efforts, empowering them to make informed choices and contribute to the well-being of the planet.

- **Educational Technology and ICT (Information and Communication Technology)- J1- 5th Semester**

Educational Technology and ICT (Information and Communication Technology) is designed to prepare students to effectively integrate technology into educational settings, enhancing teaching, learning, and administrative processes. Here are some typical course outcomes:

1. Students will gain foundational knowledge of educational technology, digital tools, and ICT concepts, including their applications in education.
2. Students will become proficient in using digital tools and platforms (e.g., learning management systems, productivity software, multimedia creation tools) to support teaching, learning, and communication.

3. Students will learn how to design and implement technology-enhanced instructional strategies that cater to diverse learning needs, making lessons more interactive and accessible.
4. Students will explore instructional design principles and learn how to create and manage e-learning content and resources, such as online modules, videos, and interactive presentations.
5. The course will cover strategies for using technology to increase student engagement and motivation, including the use of gamification, multimedia, and adaptive learning technologies.

In summary, this course equips students with the skills and knowledge needed to integrate educational technology and ICT effectively, making education more dynamic, personalized, and accessible.

- **Issues and Trends in Educations- J2- 5th Semester**

Issues and Trends in Educations designed to help students critically explore current and emerging issues, challenges, and trends in the field of education. The course aims to deepen understanding of how these factors impact educational policies, practices, and outcomes. Here are typical course outcomes:

1. Students will gain a comprehensive understanding of contemporary issues in education, such as equity, access, funding, curriculum reform, and teacher shortages.
2. Students will explore and analyze significant trends shaping education today, including digital learning, personalized learning, global education, competency-based education, and lifelong learning.
3. Students will study the effects of socioeconomic factors on educational opportunities, including poverty, social inequality, and community resources.
4. The course introduces students to comparative education, enabling them to examine global education trends and policies, including how different countries address educational challenges.
5. Students will evaluate the impact of technology on education, including the rise of e-learning, artificial intelligence in the classroom, virtual learning environments, and digital equity concerns.

In summary, this course equips students with a broad and critical understanding of the complex issues and trends influencing education today, empowering them to engage with current debates, make informed decisions, and adapt to future challenges in the educational landscape

- **Health Educations- J2- 5th Semester**

Health Education aims to provide students with knowledge, skills, and attitudes necessary to promote health and wellness within various settings, such as schools, communities, and workplaces. Here are typical course outcomes:

1. Students will gain foundational knowledge of key health topics, including nutrition, physical activity, mental health, substance abuse, sexual health, and disease prevention.
2. Students will learn to foster health literacy, enabling them to access, understand, and evaluate health information, which helps individuals make informed health choices.
3. The course covers various models and theories related to health behavior change (e.g., Health Belief Model, Theory of Planned Behavior) that help explain and promote healthy lifestyles.
4. Students will learn to design, implement, and assess health education programs tailored to specific populations or community needs.
5. Students will understand the importance of preventive health measures and learn strategies to reduce risks of common health issues, such as obesity, diabetes, cardiovascular disease, and infectious diseases.

In summary, this course equips students with the tools to educate, inspire, and support individuals and communities in achieving healthier lifestyles and promotes lifelong well-being through informed choices and preventive practices.

- **Educational Guidance and Counselling- J1- 6th Semester**

Educational Guidance and Counselling is designed to prepare students to support the personal, academic, and career development of learners. Here are some typical course outcomes:

1. Students will gain knowledge of the theoretical foundations, principles, and history of guidance and counselling in educational settings.

2. Students will acquire essential counselling skills, such as active listening, empathy, questioning techniques, and rapport-building, which are critical for effective guidance and counselling.
3. Students will learn to design and implement age-appropriate guidance programs that support students' emotional, social, and academic development.
4. Students will gain insight into career development theories and learn to help students explore career options, set goals, and make informed career choices.
5. The course teaches strategies for helping students with academic planning, study skills, time management, and overcoming barriers to academic success.

In summary, this course prepares students to offer comprehensive support and guidance to learners, helping them succeed academically, emotionally, and socially while developing the skills needed to become effective and ethical counsellors in educational settings.

- **Creativity and Education- J2- 6th Semester**

Creativity and Education is designed to help students understand the role of creativity in the learning process and how to foster creative thinking and expression in educational settings. Here are typical course outcomes:

1. Students will gain a comprehensive understanding of creativity, its definition, theories, and its importance in educational contexts.
2. Students will explore how creativity enhances learning, problem-solving, and critical thinking, and how it can be integrated into various subjects and learning activities.
3. The course will provide students with strategies to encourage and nurture creative thinking among learners, helping them develop imagination, innovation, and original thought.
4. Students will learn to design and implement creative teaching strategies that engage students, stimulate curiosity, and promote active participation in the learning process.
5. Students will understand how creative approaches can be used to teach problem-solving skills, enabling students to think outside the box and find innovative solutions to challenges.

In summary, this course equips students with the knowledge and skills to integrate creativity into education, fostering environments that encourage original thinking, problem-solving, and the development of both cognitive and emotional intelligence in learners.

- **Social Psychology- J3- 6th Semester**

focuses on understanding how individuals' thoughts, feelings, and behaviors are influenced by the presence and actions of others. It explores various social processes, such as group dynamics, social perception, and interpersonal relationships. Here are typical course outcomes:

1. Students will gain foundational knowledge of core concepts in social psychology, including social perception, attitudes, group behavior, social influence, and interpersonal attraction.
2. Students will learn how and why individuals' behaviors and attitudes are shaped by social contexts, including conformity, obedience, persuasion, and social norms.
3. Students will examine how group membership influences behavior, including topics such as group decision-making, leadership, cooperation, and conflict within groups.
4. Students will explore the concepts of social identity, in-group vs. out-group dynamics, and how group affiliations influence perceptions, prejudice, and discrimination.
5. Students will gain insights into the psychological roots of prejudice, stereotyping, and discrimination, and learn strategies to reduce these issues in social settings.

In summary, this course provides students with an in-depth understanding of how social influences shape human behavior, offering valuable insights into group processes, interpersonal dynamics, and societal issues. It equips students with the tools to apply social psychological concepts to everyday situations and various professional contexts.

LEARNING OUTCOME OF SKILL COURSES

Early Childhood Care and Education- 1st Semester

The learning outcomes of Early Childhood Care and Education (ECCE) refer to the skills, knowledge, attitudes, and behaviors that children are expected to develop during their early years

of education, typically from birth to eight years old. These outcomes are crucial for laying the foundation for lifelong learning and development. They encompass several domains, including cognitive, physical, social, emotional, and language development. Below are key learning outcomes of ECCE:

1. Children develop the ability to think critically, solve problems, and explore new ideas through hands-on experiences.
2. Basic numeracy (counting, sorting, patterns) and science concepts (understanding the environment, cause-and-effect relationships) are introduced.
3. Children begin to understand the fundamentals of reading and writing, such as letter recognition, phonemic awareness, and storytelling.
4. The ability to focus on tasks, retain information, and recall details is nurtured.
5. Children refine skills such as holding a pencil, using scissors, drawing, or stacking objects.
6. Activities like running, jumping, climbing, and balancing help develop larger muscle groups.
7. Healthy habits like handwashing, eating nutritious foods, and engaging in physical activities contribute to overall well-being.
8. Children expand their vocabulary through exposure to new words and phrases during everyday interactions.
9. ECCE supports active listening and verbal expression, helping children communicate their thoughts and needs.
10. Children learn to use language in social contexts (e.g., greetings, sharing ideas, negotiating with peers).

In short, Early Childhood Care and Education aims to provide a holistic learning experience that addresses various aspects of a child's growth. The learning outcomes of ECCE are intended to build a strong foundation for future academic success, emotional well-being, and social responsibility. These outcomes help children develop the skills necessary to navigate the world around them, building a sense of confidence, curiosity, and capability

Guidance and Counselling- 2nd Semester

Guidance and Counselling focus on helping individuals (usually students) to navigate personal, social, academic, and career challenges, develop self-awareness, and achieve their full potential. These outcomes encompass knowledge, skills, and attitudes that contribute to the emotional and psychological

well-being of individuals. In the context of education, guidance and counselling aim to support students in overcoming challenges and making informed decisions. Below are key learning outcomes:

1. Self-Awareness and Personal Development with respect to Increased Self-Knowledge, Emotional Regulation, Personal Goal Setting, Students develop the ability to set and pursue personal goals, understanding the steps required to achieve them.

2. Social and Interpersonal Skills viz. communicate effectively, both verbally and non-verbally, in various social contexts, conflict resolution.

3.Academic Skills and Achievement viz. Study Skills, Decision Making and Problem Solving. Students develop the ability to make informed choices regarding academic decisions, such as course selection, and to approach academic challenges with critical thinking.

4. Guidance helps students cope with academic difficulties, such as stress, procrastination, or learning disabilities, and develop strategies for success.

5. To sensitize the students with regard to mental and emotional well-being viz. Stress management, coping strategies, building resilience.

6. Students learn to adapt to life changes, such as moving to a new school, dealing with peer pressure, or adjusting to new family dynamics.

7. In multicultural settings, students may receive support to navigate and appreciate cultural differences, enhancing social integration and inclusivity.

8. Students develop the ability to be flexible and open to new ideas and experiences, adjusting positively to change.

9. Students receive advice on choosing the right academic pathways based on their interests, skills, and future career aspirations.

10. Counsellors help students who are unsure about their academic direction or career options by providing assessments, resources, and personalized guidance.

In short, the learning outcomes of guidance and counselling aim to nurture well-rounded individuals who are capable of understanding themselves, interacting positively with others,

achieving their personal and academic goals, and adapting to life's challenges. These outcomes support not just academic success but also emotional resilience, social development, and career readiness, preparing students for both personal fulfilment and future professional endeavors.

Educational Technology: 3rd Semester

Educational Technology involves the use of digital tools, resources, and strategies to facilitate teaching and learning. The learning outcomes of educational technology focus on enabling students, teachers, and institutions to effectively incorporate technology into the learning process. These outcomes can include both technical and pedagogical skills, as well as broader cognitive, social, and practical competencies. Below are key learning outcomes for educational technology:

1. Students and educators develop proficiency in using various educational technologies, such as learning management systems (LMS), educational apps, digital assessments, and multimedia tools.
2. Students learn to analyze, evaluate, and critically assess digital content, distinguishing credible sources from misinformation.
3. Students gain the skills to effectively engage with online platforms and virtual classrooms, managing their learning in digital spaces.
4. virtual labs, and game-based learning, increasing engagement and motivation.
5. Students can benefit from adaptive learning technologies that adjust content and pacing based on their individual learning needs, fostering self-paced and personalized education.
6. Technology supports collaboration among students, enabling them to work together in virtual groups, share resources, and engage in discussions, even from remote locations.
7. Students use technology to engage in problem-solving activities, such as simulations, case studies, and project-based learning, which stimulate critical thinking and creativity.

8. The integration of data analysis tools, coding platforms, and virtual experiments allows students to apply analytical thinking in real-world contexts.
9. Educational technology can provide students with problem-solving scenarios where they must apply knowledge and skills to achieve specific goals.
10. The use of collaborative platforms allows students and educators to provide constructive feedback, share ideas, and engage in discussions in a structured, digital format.

In short, the learning outcomes of educational technology aim to create an enriching, interactive, and efficient learning environment for both students and educators. They support the development of digital literacy, critical thinking, collaboration, and personalized learning experiences, preparing students for the challenges of the digital world and enabling educators to enhance their teaching practices. Integrating educational technology into teaching and learning helps promote a more accessible, engaging, and effective educational experience, fostering lifelong learning and adaptability in an ever-evolving technological landscape.

Course Outcomes
ELR222J: English Literature**

1. Understanding Poetic Traditions
   - Analyze and appreciate the metaphysical and neoclassical poetry of John Donne and Alexander Pope.
   - Examine themes of love, spirituality, and human nature in “A Valediction: Forbidding Mourning,” “Batter My Heart,” and *An Essay on Man*.

2. **Critical Study of Shakespearean Drama**
   - Develop an understanding of the themes, characters, and dramatic techniques in William Shakespeare's *Twelfth Night*.
   - Critically evaluate the play's exploration of love, identity, and social norms.

3. **Introduction to the Novel as a Genre**
   - Understand the historical context behind the rise of the English novel.
   - Identify and analyze the essential elements of a novel, including plot, character, setting, and narrative techniques.

- Differentiate between various forms of the novel, such as Bildungsroman, psychological novels, and historical novels.

4. **Close Reading of Classic English Novels**
   - Examine the themes of class, gender, and relationships in Jane Austen's *Pride and Prejudice*.
   - Develop an understanding of Austen’s narrative style, social criticism, and the cultural context of her time.

5. **Enhancing Critical Thinking and Analytical Skills**
   - Apply critical approaches to texts, focusing on form, style, and thematic concerns across different genres.
   - Cultivate skills in literary appreciation and contextual analysis of canonical English literature.

6. **Strengthening Academic and Research Skills**
   - Engage in tutorial discussions to strengthen comprehension and interpretation of literary texts.
   - Develop skills in academic writing, including analytical essays and critical responses, through tutorial sessions.

Here are the **Course Outcomes (COs)** for the syllabus **ELR222N: English Literature**:

Course Outcomes (COs)

1. **Understanding Poetic Forms and Themes**
   - Analyze the metaphysical poetry of John Donne, focusing on themes of love, faith, and mortality in *“A Valediction: Forbidding Mourning”* and *“Batter My Heart.”*
   - Examine Alexander Pope’s neoclassical ideas on human nature and self-awareness in *An Essay on Man (Epistle 2, Part I).*

2. **Critical Exploration of Drama**
   - Study William Shakespeare's *Twelfth Night* to understand its exploration of love, identity, and social constructs.
   - Develop an appreciation of Shakespearean comedy, its dramatic techniques, and the cultural contexts influencing the play.

3. **Introduction to the Novel as a Literary Genre**
   - Understand the historical development of the English novel as a significant literary form.

- Explore essential elements of the novel, including plot structure, character development, setting, and narrative techniques.
- Differentiate between key types of novels such as Novella, Historical Novels, Bildungsroman, Realistic Novels, and Psychological Novels.

4. **Analysis of English Fiction**
   - Investigate the themes, characterization, and stylistic techniques in canonical English novels.
   - Develop critical perspectives on how the novel evolved as a vehicle for social, cultural, and psychological expression.

5. **Developing Analytical and Interpretive Skills**
   - Enhance the ability to critically interpret texts across genres with attention to form, style, and thematic depth.
   - Foster analytical thinking to evaluate texts within their historical and cultural contexts.

6. **Strengthening Academic Research and Writing**
   - Build proficiency in academic writing, such as literary essays and responses, through tutorial discussions.
   - Refine research skills for studying primary texts and supporting materials effectively.

Would you like to include specific skills for research or assessment methods?

Course Outcomes

1. **Understand the Short Story as a Genre**:
   - Gain insight into the origin, evolution, and development of the short story.
   - Identify and analyze various types and elements of short stories, such as plot, characters, setting, theme, and narrative techniques.

2. **Analyze Cross-Cultural Perspectives**:

- Explore short stories from diverse cultural backgrounds to understand universal human experiences and cultural nuances.
- Develop an appreciation of how cultural contexts influence storytelling.

3. **Interpret Canonical Works of Renowned Authors**:
- Critically evaluate O. Henry's *"The Gift of the Magi"* to understand themes of love, sacrifice, and irony.
- Analyze Edgar Allan Poe’s *"The Purloined Letter"* for its exploration of logic, mystery, and psychological depth.

4. **Examine Themes of Morality and Fear**:
- Reflect on moral dilemmas and existential questions in Leo Tolstoy’s *"There are No Guilty People."*
- Discuss the psychological portrayal of fear and survival in Guy de Maupassant’s *"Fear."*

5. **Enhance Critical Thinking and Communication Skills**:
- Develop analytical and interpretative skills by engaging in discussions, presentations, and written assignments.
- Strengthen the ability to articulate complex ideas effectively in academic and creative settings.

6. **Appreciate Literary Diversity**:
- Cultivate a lifelong appreciation for short stories as a literary form, while understanding their relevance in various cultural and historical contexts.

Course Outcomes for ELR522J2: English Literature - Indian Writing in English

By the end of this course, students will:

1. **Understand the Evolution of Indian Writing in English**:
- Trace the development of Indian literature in English, recognizing its unique blend of Indian ethos and global literary traditions.

2. **Critically Analyze Prose Narratives**:
- Explore themes of caste, oppression, and social realism in Mulk Raj Anand's *Untouchable*.
- Examine family dynamics, memory, and identity in Anita Desai's *Clear Light of Day*, with a focus on postcolonial themes.

3. **Interpret Indian Poetry in English**:

- Analyze Nissim Ezekiel’s *"Background, Casually"* and *"Enterprise"* for themes of self-identity, exile, and communal experience.
- Discuss Arun Kolatkar’s *"The Bus"* and *"An Old Woman"* for their portrayal of modernity, spirituality, and human struggles.
- Reflect on Eunice de Souza’s *"Marriages are Made"* and *"Advice to Women"* for their feminist undertones and critique of societal norms.

4. **Evaluate Indian Drama in English**:
- Critically study Girish Karnad’s *Tughlaq* as a historical and political allegory, exploring themes of leadership, power, and idealism.

5. **Enhance Research and Practical Understanding**:
- Engage in internships or tutorial-based assignments focusing on deeper thematic and textual analysis of *Untouchable* and *Clear Light of Day*.

6. **Develop Literary and Cultural Awareness**:
- Appreciate the richness of Indian writing in English and its role in shaping national and cultural identities.

7. **Strengthen Analytical and Communication Skills**:
- Hone critical thinking through textual analysis and discussions, while improving written and verbal articulation of literary insights.

8. **Foster Interdisciplinary Connections**:
- Relate Indian literary texts to broader historical, cultural, and sociopolitical contexts for a comprehensive understanding of their relevance.

Course Outcomes for ELR522J3: English Literature - Afro-American Literature

By the end of this course, students will:

1. **Understand the Historical and Cultural Contexts of Afro-American Literature**:
- Gain insight into the struggles, resilience, and cultural heritage of African Americans through seminal literary works.

2. **Critically Engage with Afro-American Essays**:
- Analyze W.E.B. Du Bois’s *“Of Our Spiritual Strivings”* and *“Of the Training of Black Men”* to understand the concept of

double consciousness, racial uplift, and the importance of education in the African American experience.

3. **Explore Afro-American Fiction**:
   - Examine themes of slavery, trauma, motherhood, and identity in Toni Morrison's *Beloved*, highlighting its significance in African American literary canon.

4. **Appreciate Afro-American Poetry**:
   - Analyze Langston Hughes's *"Let America Be America Again"* and *"The Negro Speaks of Rivers"* for their exploration of racial inequality, heritage, and hope.
   - Reflect on Audre Lorde's *"A Woman Speaks"* and *"A Litany for Survival"* for their feminist perspectives and themes of survival and resistance.

5. **Critically Study Afro-American Drama**:
   - Interpret August Wilson's *Fences* as a representation of family dynamics, race relations, and the African American pursuit of the American Dream.

6. **Develop Analytical and Research Skills**:
   - Engage in tutorials and assignments focused on the novel and poetry units, fostering critical and creative interpretations of the texts.

7. **Strengthen Awareness of Social Justice Themes**:
   - Deepen understanding of the ongoing struggles against racism, sexism, and inequality, and their reflection in literature.

8. **Enhance Interdisciplinary Connections**:
   - Relate Afro-American literature to historical, sociopolitical, and cultural movements, fostering a broader perspective on its global impact.

9. **Foster Critical and Reflective Thinking**:
   - Improve the ability to articulate complex ideas about race, identity, and resistance in written and oral forms through discussions and presentations.

Course Outcomes for ELR622J1: English Literature - British Literature (20th Century)

By the end of this course, students will:

1. **Understand the Modernist Movement**:
   - Gain a deeper understanding of the literary, cultural, and historical contexts of 20th-century British literature, focusing on modernist themes and techniques.

2. **Analyze Modernist Poetry**:
   - Explore T.S. Eliot's *"The Love Song of J. Alfred Prufrock"* to analyze modernist themes of alienation, fragmentation, and self-reflection.
   - Examine W.B. Yeats's *"Adam's Curse"* and *"Easter, 1916"* for their reflections on the tension between personal and political realms, as well as Yeats's evolving poetic vision in the context of Irish nationalism.

3. **Interpret Modern Drama**:
   - Critically engage with George Bernard Shaw's *Pygmalion* to understand themes of class, language, and social mobility, and explore its critique of Victorian society and its impact on modern drama.

4. **Explore Modernist Prose and Narrative Techniques**:
   - Analyze Virginia Woolf's *Mrs. Dalloway* to understand her innovative narrative style, the use of stream-of-consciousness, and themes of mental illness, time, and the inner lives of characters in post-World War I society.

5. **Enhance Literary Analysis Skills**:
   - Develop advanced skills in textual analysis, focusing on the use of symbolism, irony, and modernist experimental techniques in poetry, drama, and prose.

6. **Foster Comparative and Critical Thinking**:
   - Encourage comparative analysis between different genres (poetry, drama, prose) and authors, fostering critical thinking and a deeper appreciation for the complexities of 20th-century British literature.

7. **Develop Written and Oral Communication Skills**:
   - Strengthen the ability to articulate and defend critical interpretations of texts through essays, tutorials, and presentations.

Course Outcomes for ELR622J2: English Literature - Postcolonial Literatures in English (African & Caribbean)

By the end of this course, students will:

1. **Understand the Theoretical Foundations of Postcolonial Literature**:
   - Explore key postcolonial theories on language, identity, and colonialism, particularly through Ngũgĩ wa Thiong'o's *"The Language of African Literature"* and Frantz Fanon's *"The Negro and Language."*
   - Analyze the impact of colonialism on language and culture, and how postcolonial writers engage with these issues.

2. **Critically Engage with African Fiction**:
   - Analyze Chinua Achebe's *Things Fall Apart* to understand the effects of colonialism on indigenous cultures, the conflict between tradition and modernity, and themes of identity, power, and resistance.

3. **Examine Caribbean Literature**:
   - Critically explore George Lamming's *In the Castle of My Skin* to examine themes of self-discovery, colonial resistance, and the complexities of identity in the Caribbean context.

4. **Explore Postcolonial Poetry**:
   - Analyze Derek Walcott's *"A Far Cry from Africa"* and *"The Sea is History"* for their exploration of postcolonial identity, historical trauma, and the blending of African and Caribbean heritage.
   - Examine Edward K. Brathwaite's *"Calypso"* and *"Negus"* to understand the role of cultural memory, resistance, and the celebration of Afro-Caribbean identity.

5. **Develop Critical and Analytical Skills**:
   - Engage in detailed critical analysis of postcolonial texts, focusing on narrative techniques, themes of decolonization, and the social, cultural, and political implications of colonial histories.

6. **Enhance Research and Writing Skills**:
   - Strengthen analytical and interpretative writing skills through tutorials and assignments, focusing on in-depth textual analysis and critical thinking.

7. **Understand the Cultural Impact of Colonialism**:
   - Appreciate the ways in which postcolonial literature reflects the social, political, and economic consequences of colonialism in both African and Caribbean contexts.

8. **Promote Interdisciplinary Connections**:

- Connect literary analysis with broader historical, cultural, and political theories, recognizing the interrelationship between literature, identity, and colonial power dynamics.

9. **Foster Cross-Cultural Understanding**:
   - Develop an appreciation for the rich diversity of African and Caribbean cultures through literature, while critically examining the continuing effects of colonial legacies on contemporary societies.
8. **Appreciate the Impact of Historical Events on Literature**:
   - Understand how historical events, such as World War I and the rise of modernism, influenced the themes and styles of British literature in the 20th century.

9. **Cultivate Interdisciplinary Connections**:
   - Relate literary works to broader cultural, political, and philosophical movements of the 20th century, fostering an interdisciplinary approach to literature.

Course Outcomes for ELR622J3: English Literature - Kashmiri Literature in Translation

By the end of this course, students will:

1. **Understand the Rich Tradition of Kashmiri Literature**:
   - Gain an understanding of the unique literary traditions and cultural expressions in Kashmiri literature, particularly through poetry, short stories, and folk tales.

2. **Explore the Themes and Poetic Techniques of Kashmiri Poetry**:
   - Analyze the works of Lala Ded, Habba Khatoon, Shaikh-ul-Alam, and Mahmud Gami to appreciate the spiritual, mystical, and socio-cultural themes in Kashmiri poetry.
   - Study the symbolic and philosophical nature of the Vakhs and Shruhks, focusing on themes of love, mysticism, and the human connection with nature and the divine.

3. **Examine the Translation of Kashmiri Literary Works**:
   - Critically assess the challenges of translating Kashmiri poetry into English, and the role of translation in preserving and disseminating cultural narratives.
   - Reflect on how translated works maintain or transform the essence of the original texts.

4. **Analyze Kashmiri Short Stories**:

- Study short stories such as *"This Capital City"* by Hari Krishan Koul and *"The Autumnal Storm"* by Amin Kamil to understand themes of cultural identity, societal changes, and human emotions.
- Examine narrative techniques used in Kashmiri short fiction and their reflection of the region's socio-political landscape.

5. **Explore Kashmiri Folk Tales**:
- Study traditional Kashmiri folk tales, such as *"Why the Fish Laughed"* and *"Nagray and Himal"*, to understand the role of folklore in preserving cultural values, myths, and history.
- Discuss the moral and allegorical aspects of these folk tales.

6. **Develop Critical Thinking and Analytical Skills**:
- Hone skills in analyzing literary texts, focusing on symbolism, cultural context, and themes of Kashmiri identity, mysticism, and spirituality.

7. **Enhance Writing and Communication Skills**:
- Strengthen academic writing skills through assignments and tutorials, promoting deeper engagement with Kashmiri literature and its translation.
- Improve oral communication skills through presentations and discussions of literary themes, narratives, and translation issues.

8. **Appreciate the Cultural Significance of Kashmiri Literature**:
- Develop a greater appreciation for Kashmiri culture, history, and traditions, recognizing how literature reflects and shapes the experiences of the Kashmiri people.

9. **Promote Interdisciplinary Awareness**:
- Connect the study of Kashmiri literature to broader cultural, historical, and socio-political contexts, enhancing interdisciplinary learning and global literary perspectives.

The **Programme Outcomes (POs)** of a **BA Honours in English Language and Literature** focus on equipping students with comprehensive skills, knowledge, and critical perspectives related to language, literature, and culture. Here's an overview of typical programme outcomes:

1. **Critical Thinking and Analysis**
   - Develop the ability to critically analyze texts from diverse genres, periods, and cultures.
   - Apply theoretical and critical frameworks to understand literature and language.

2. **Communication Skills**
   - Enhance verbal and written communication skills for effective expression.
   - Master the art of argumentation, persuasion, and creative writing.

3. **Literary and Cultural Awareness**
   - Gain knowledge of the historical, cultural, and social contexts of English literature and language.
   - Understand global and regional literary traditions and their interconnectedness.

4. **Research and Inquiry**
   - Develop skills in independent research, critical inquiry, and academic writing.
   - Engage in interdisciplinary studies, drawing connections between literature and other fields.

5. **Language Proficiency**
   - Improve proficiency in English for academic, professional, and creative purposes.
   - Understand and analyze the structure, history, and development of the English language.

6. **Ethical and Social Awareness**
   - Reflect on ethical issues, human values, and cultural diversity through literary study.
   - Address societal issues like gender, race, class, and environment within literary and cultural contexts.

7. **Lifelong Learning**
   - Foster intellectual curiosity and a passion for lifelong learning.
   - Equip students with skills to adapt to evolving cultural and literary landscapes.

8. **Career Preparedness**
   - Prepare students for careers in teaching, writing, publishing, media, public relations, and more.

- Build transferable skills in critical thinking, communication, and problem-solving.

9. **Interdisciplinary Approach**
- Encourage the exploration of literature in conjunction with history, philosophy, sociology, and other disciplines.
- Foster appreciation for the connections between literature and broader human experiences.

These outcomes ensure that graduates possess not only subject-specific expertise but also the critical and transferable skills needed for various career paths and further academic pursuits.
Course Objective for ELR122J: English Literature

This course aims to introduce students to the foundational elements of English poetry and drama, focusing on their historical development, forms, and literary techniques. It seeks to:

1. Familiarize students with key poetic forms and devices while fostering an appreciation for the structure and rhythm of poetry.

2. Provide critical engagement with selected works by iconic poets like Shakespeare and Milton, enhancing literary analysis skills.

3. Trace the evolution of English drama and explore its diverse types and elements.

4. Cultivate an in-depth understanding of Shakespearean drama through the study of *Othello,* emphasizing thematic and character-driven analysis.

By the end of the course, students will develop analytical and interpretive skills to appreciate and critique English literary texts within their cultural and historical contexts.

Course Objective:

The multidisciplinary introductory course *ELR022I: English Literature* aims to provide students with a foundational understanding of literary forms, including poetry, short stories, and one-act plays. Through an exploration of diverse authors, time periods, and themes, the course seeks to:

1. Develop an appreciation for the richness and variety of English literature.
2. Foster critical thinking and interpretive skills through the study of classic and modern literary texts.
3. Introduce students to significant cultural, social, and political themes reflected in literary works.
4. Enhance students' ability to analyze and engage with texts from multiple perspectives.
5. Encourage connections between literature and broader interdisciplinary contexts.

This course is designed to inspire a lifelong interest in literature while equipping students with tools for literary analysis and appreciation.

Course Objectives:

The *CNS122A: Communication Skills Course* aims to equip students with essential communication and interpersonal skills to enhance their personal and professional effectiveness. The objectives of the course are to:

1. Introduce students to the fundamentals of communication, its processes, and the barriers that hinder effective communication.
2. Develop verbal and non-verbal communication skills to improve clarity, understanding, and engagement in diverse settings.
3. Build soft skills such as emotional intelligence, time management, leadership, and interpersonal relationships to foster personal growth and teamwork.

4. Enhance public speaking, presentation, and group discussion abilities for professional and academic environments.

5. Provide practical training in writing skills, including letter writing, CV preparation, report drafting, and crafting effective messages for various formal and informal contexts.

6. Prepare students to confidently handle real-world scenarios, such as interviews, meetings, and other communication-intensive situations.

This course aims to ensure students become effective communicators and successful professionals.

Course Outcomes (COs)

The course outcomes will vary depending on the specific courses within the zoology program. Below are some general COs that can be adapted:

For a General Zoology Course

1. Explain the fundamental concepts of animal biology, including taxonomy, morphology, and physiology.

2. Describe the evolutionary processes that contribute to the diversity of animal life.

3. Analyze the relationships between structure and function in various animal systems.

For an Ecology and Environmental Biology Course

1. Evaluate the interdependence of organisms within ecosystems and their ecological roles.

2. Analyze environmental challenges and propose strategies for biodiversity conservation.

3. Demonstrate field techniques for sampling, monitoring, and studying animal populations.

For a Genetics and Molecular Biology Course

1. Understand the principles of inheritance and molecular mechanisms underlying gene expression.

2. Apply genetic concepts to understand variations and evolutionary processes.

3. Use laboratory techniques for genetic analysis and molecular biology experiments.

For a Physiology and Biochemistry Course

1. Explain the biochemical pathways that sustain animal life.

2. Understand the physiological mechanisms underlying homeostasis and adaptation.

3. Conduct experiments to analyze metabolic and physiological processes.

For an Animal Behavior and Ethology Course

1. Recognize and interpret various patterns of animal behavior in their ecological contexts.

2. Analyze the physiological and environmental factors influencing animal behavior.

3. Apply observational techniques to study and document behavioral patterns.

For Entomology Course:

1. Understanding Insect Diversity and Taxonomy

- Identify and classify insects into their respective taxonomic groups based on morphological characteristics.
- Demonstrate knowledge of insect diversity, evolution, and adaptations.

2. Insect Morphology and Physiology

- Describe the structure and function of insect systems, including the exoskeleton, respiratory, circulatory, and nervous systems.
- Explain the physiological processes unique to insects, such as molting, metamorphosis, and flight.

3. Ecological Roles of Insects

- Analyze the roles insects play in ecosystems, such as pollination, decomposition, and as prey or predators.
- Evaluate the ecological significance of insects in maintaining biodiversity and ecosystem balance.

4. Economic Importance of Insects

- Differentiate between beneficial insects (e.g., pollinators, natural enemies) and harmful insects (e.g., pests, vectors of diseases).
- Assess the economic impact of insects on agriculture, forestry, and public health.

5. Pest Management and Control Strategies

- Explain integrated pest management (IPM) strategies and their applications in agriculture.
- Demonstrate knowledge of biological control agents and environmentally sustainable pest control methods.

6. Insect Behavior and Communication

- Analyze insect behaviors such as foraging, mating, and social organization (e.g., in bees, ants, termites).
- Explain insect communication mechanisms, including pheromones and visual or acoustic signals.

7. Entomological Techniques

- Apply field and laboratory techniques for collecting, preserving, and identifying insect specimens.

- Demonstrate proficiency in tools and technologies used in entomological studies, such as traps, microscopes, and imaging systems.

Course Outcomes

SEMESTER 5th GENERIC ELECTIVE (GE)

Course code: IS520G Course Title: BASIC ISLAMIC SCIENCES. (QUR'AN, HADITH AND FIQH)

Course Outcomes:

1. The course introduces students to the foundational Islamic sciences—Qur'an, Hadith, and Fiqh—highlighting their significance in human life.
2. It emphasizes understanding divine guidance and the methodological principles (Usul) governing these sciences.
3. By the end of the course, students will develop the ability to approach and analyze these sources critically, fostering a deeper appreciation of Islamic knowledge and its practical application.

SEMESTER 5th

DISCIPLINE SPECIFIC ELECTIVE (DSE)

Course Code: IS520DA **Course Title: ISLAMIC CULTURE AND SOCIETY IN KASHMIR**

Course Outcomes:

1. This course aims to provide students with an in-depth understanding of the advent and spread of Islam in Kashmir, exploring its profound impact on the region's culture, society, and education.
2. It highlights the social, artistic, and literary advancements achieved under Muslim rulers.
3. Additionally, the course delves into the lives and contributions of prominent Muslim Sufis and Ulama, emphasizing their pivotal role in shaping Kashmiri society.
4. By the end of the course, students will appreciate the rich Islamic heritage and its enduring influence on the cultural fabric of Kashmir’

SEMESTER: 1 **MAJOR/MINOR**

Course Code: IS1 22J / ISI 22N **Course Title: AN INTRODUCTION TO ISLAMIC CIVILIZATION-I**

Course Outcomes:

1. The objective of the course is to have preliminary knowledge of Islamic Studies as an academic subject along with the doctrine and ritual worship (ibadah) as propounded in the teachings of Islam and Prophet Muhammad(S) including his role in establishing a welfare society at Madinah.

2. The course also forms a study of the early development of Islamic civilization.

SEMESTER – 1st TO 3rd **MULTIDISCIPLINARY COURSE**

Course Code: IS22 IMD **Course Title: Islami Studies as a Multidisciplinary Subject**

Course Outcome:

1. Upon completing the course *IST0221: Islamic Studies*, students will gain an understanding of Islamic Studies as an interdisciplinary and multidisciplinary academic discipline.
2. They will acquire knowledge of the basic tenets of Islam and explore its social sciences, fostering a comprehensive perspective on Islamic teachings and their applications in diverse fields.
3. This foundational course enhances critical thinking and cultural awareness in the context of Islamic traditions.

SEMESTER – 3rd

Major/MINOR

Course Code: IS 322J /IS 322N **Course Title: Islamic Civilization under the Abbasids and the Muslim Spain**

Course Outcomes:

1. The course explores Islamic civilization under the Abbasids and in Muslim Spain, focusing on polity, society, education, and sciences.
2. Students will gain insights into the rich intellectual, scientific, and architectural contributions of Islam and their influence on Western civilization.
3. This knowledge fosters an appreciation of Islamic heritage and its historical impact on global progress.

Course Outcome

U.G 1st Semester:

Subject Code and Title : CAP122J/CAP122N: COMPUTER FUNDAMENTALS

- To introduce to the students the basic understanding of the working of a computer system
- To familiarize the students with the basic notations and data representation methods used.
- To familiarize the students with the various software and hardware aspects of computers.
- To make the students understand the need and working of the interconnection and communication between computers. 5. To make the students familiar with the basic internet technology and concepts

U.G 3rd Semester:

Subject Code and Title : CAP322J/CAP322N : Data Communication& Computer Network

- To Understand the Rudiments of How computers communicate
- To understand the operation on the components in a data communication systems and functional relationship of these components

- To introduce the fundamental concepts of computer Network, topologies, protocols and functioning & significance of networking standards.
- To provide knowledge of protocols, IP addressing and error detection & correction mechanisms.

U.G 5th Semester:

Subject Code and Title : CAP522J1: OPERATING SYSTEM

- To learn and understand the concepts of operating system.
- To understand the core structure and functions of operating system.
- Explain process management, processor scheduling, and concurrent programming.
- Understand the concept of deadlocks and synchronization.
- Learn memory management, file management. I/O systems, and disk scheduling.
- Distinguish main memory and virtual memory.
- Leam Operating System Design issues.
- Leam basic Unix commands and shell programming

Subject Code and Title : CAP522J2: DATA STRUCTURES USING C

- To introduce the fundamentals of Data Structures, Abstract concepts and how these concepts are useful in problem solving.
- To learn the linear and non-linear data structures.
- To explore the applications of linear and non-linear data structures.
- To learn to represent data using tree and graph data structure
- To learn the basic sorting and searching algorithms.
- To write programs for different Data Structures and Algorithms

Subject Code and Title : CAP522J3 : DISCRETE MATHEMATICS

- To be able to understand mathematical reasoning in order to read, comprehend, and construct mathematical arguments.
- To be able to count or enumerate objects, and use basic techniques of counting to solve counting problems.

- To be able to work with discrete structures such as sets, permutations, relations, graphs, and trees, and use them to represent discrete objects and the relationships between these objects.

Course Outcomes (COs): The course outcomes will vary depending on the specific courses within the Anthropology program. Below are some general COs that can be adapted:

- For General Anthropology Course: 1. Understand and critically analyze key anthropological theories and frameworks. 2. Examine human cultural and biological diversity and their ecological adaptations. 3. Develop research skills using qualitative and quantitative methodologies. 4. Explore the roles of social institutions, gender, and demography in shaping societies. 5. Apply ethical and interdisciplinary approaches to address global challenges.

- For Social Anthropology Course 1. Students will learn about the fundamental institutions i.e., Family, Marriage and Kinship. 2. Students will learn about characteristics and types of Religion. 3. Students will gain a practical understanding of Ethnographic Research.

- For Theories in Social Anthropology Course 1. Develop a critical knowledge of theories in socio-cultural anthropology. 2. Cultivate a positive mindset towards appreciating diversity and an inquisitive attitude towards studying culture. 3. Applying and inducing theories from a data set.

- For Human Ecology and Demography Course 1. Students will develop a critical knowledge of anthropological perspectives on ecology. 2. Students will cultivate a positive mindset towards appreciating the diverse ways humans construct and relate their environment. 3. Students will get first-hand experience on how people adapt to their environment.

- For Gender and Society Course 1. Students will gain an understanding of concepts of sex, gender, and patriarchy. 2. The course will develop gender sensitisation among students. 3. This will help to create gender neutral spaces and change the patriarchal institutions of the society

First Semester Major Course Outcome

ATT122J: FUNDAMENTALS OF ACCOUNTING (ACCOUNTING & TAXATION - COMMERCE)

This course is designed to provide the basic understanding, knowledge and perspective of Accounting Fundamentals that business organizations use and apply to record, analyze, and interpret the business transactions and help them in the decision making. The course covers Accounting Principles, Concepts, Conventions and basis of accounting; and, also, acquaints the students with the preparation of Subsidiary-books, Trail Balance, Bank Reconciliation Statement, Financial Statements and treatment of Depreciation. Moreover, to keep the students abreast about the use of the computer-technology in the field of accounting, the course also includes the application of Accounting Software/s in the preparation of Subsidiary Books and Financial Statements.

Learning Outcome

1) To enable the learners to have full understanding of basic Accounting Concepts and Conventions, and make them understand different Subsidiary Books, posting of Journal to Ledger, preparation of Trial Balance and rectification of errors.
2) To make the student understand how the Bank Reconciliation Statement is prepared and how accounting for Depreciation and Valuation of Inventory is done.
3) To enable the students, acquire the knowledge of Computerized Accounting like Tally and generating reports of Ledger, Trial Balance and Financial statements.
4) After going through this course, the students are expected to have a clear understanding, knowledge and application of the Accounting skills as used in the business organizations.

First Semester Minor Course Outcome

FIN122J: INDIAN FINANCIAL SYSTEM (FINANCE - COMMERCE)

The course covers the entire gamut of Indian Financial system such as Financial Instruments, Financial Markets, Financial Institutions and Financial Services. It also highlights how important the efficient financial system is for the economic growth & development.

Learning Outcomes: After going through this course, the students are expected to:

1) Have a thorough understanding of the rationale and significance of a financial system in supporting the acceleration of economic growth and development.
2) Have an understanding of different of different money market instruments and how each of the segments of this market operates.
3) How primary and secondary capital markets in India operate?
4) How to invest directly or indirectly in the capital market?
5) To build conceptual understanding about various aspects of a financial system with particular reference to Indian Financial System;
6) To grasp mechanics of various financial instruments, financial services and institutions;
7) To understand mechanism of various types of financial markets.

3rd Semester Major Course Outcome

Income Tax Law & Practice – I (Course Code:AAT322J)

This course is designed to make students initially understand the basic principles and provisions of the income tax law prevailing in India and finally compute the Total Income and Tax payable by an Individual. It will also provide a greater insight on how to and where to apply the various sections of Income Tax Act applicable for an individual to compute his taxable income. This course will provide the basics for those students who are willing to take Taxation as specialization.

- Understand the basic concepts in the law of income tax and determine the residential status of different persons.
- Identify the five heads in which income is categorized and compute income under the heads 'Salaries' and 'Income from House Property'.

- compute income under the head ' Profits and gains of business or profession', 'Capital gains' and 'Income from other sources'.
- understand clubbing provisions, aggregate income after set-off and carry forward of losses, and deductions allowed under the Income Tax Act; and further to compute taxable income and tax liability of individuals and firms.
- develop the ability to file online returns of income

3rd Semester Minor Course Outcome

Corporate Financial Analysis & Reporting (Course Code:FIN322J)

Financial Analysis and reporting is an integral part of overall financial analysis carried out by various business organizations in India and all around the world. It depicts the financial health of any company and helps the companies to augment their financial resources and management of generated funds efficiently. It compels the business firms to remain judicious in fund allocation to different activities and sub activities and use the generated funds carefully. Financial analysis guides the companies about their future course of action and the direction that any particular company should move on. Financial Analysis and reporting is an integral part of overall financial analysis carried out by various business organizations in India and all around the world. It depicts the financial health of any company and helps the companies to augment their financial resources and management of generated funds efficiently. It compels the business firms to remain judicious in fund allocation to different activities and sub activities and use the generated funds carefully. Financial analysis guides the companies about their future course of action and the direction that any particular company should move on.

The outcomes of a corporate financial analysis and reporting course can include:

- **Understanding financial reporting**: Learning the theory and practices of corporate financial reporting, and how to apply them to analyze a company's performance
- **Evaluating financial statements**: Being able to identify and evaluate financial statements, and understand the components of financial statements like the balance sheet, profit and loss, and cash flow

- **Making financial decisions:** Learning how to make informed business decisions based on financial data, and how to design business strategies to meet stakeholder needs
- **Using financial ratios:** Learning how to use financial ratios and cash flow tools to measure a company's performance, and how to interpret the results
- **Communicating financial information:** Learning how to prepare and present financial reports, and how to communicate a company's financial performance to build relationships with investors, shareholders, employees, and customers.

5th semester Discipline Specific Elective 1 course Outcome

Banking and Insurance (BCH520D1A)

A Banking and Insurance course is designed to provide students with a comprehensive understanding of the financial services industry. It also focuses on the fundamental concepts, operations, and regulations of both banking and insurance sectors. Financial markets, banking operations, risk management insurance principles, and financial analysis are among the subjects that are usually covered in the course.

Programme Specific Outcomes: The students will be able to :
1.Explain , evaluate and interpret the terminology and concepts related to banking ,insurance and finance.

2. Apply fundamental accounting knowledge to analyse and interpret relevant accounting and financial statements
3. Identify ,compare and analyse the characteristics , structure , functioning and performance of banking and insurance companies.

4. Demonstrate the capability to work independently in the related fields/areas
5. Integrate and communicate qualitative and quantitative information to the community at large.

5th semester Discipline Specific Elective 2 course Outcome

Corporate tax planning (BCH520D2A)

This paper aims to provide basic knowledge of corporate tax in India and its effectiveness in tax planning.

Learning Outcomes

After completion of the course, learners will be able to:

1. Recognise the concept of tax planning, tax management and tax avoidance.

2. Interpret the application of minimum alternate tax.

3. Explore the benefits and incentives available to companies to start a new business.

4. Recognise the implications of tax provisions for a company with respect to capital

structure decisions

5. Identify the need for tax planning with respect to specific management

Course Outcomes (COs)

Each year of the UG program focuses on specific aspects of the Kashmiri language and literature:

1st Year: Introduction to Kashmiri Language and Culture

* Understand the origin and evolution of the Kashmiri language.

* Gain knowledge of basic grammar, syntax, and vocabulary.

* Explore Kashmiri folk literature, including oral traditions, proverbs, and riddles.

2nd Year: Exploration of Kashmiri Literature

* Study Sufi poetry, including works of Lal Ded, Sheikh-ul-Alam, and other mystic poets, focusing on themes of spirituality and philosophy.

* Analyze modern Kashmiri poetry, examining its themes, styles, and contemporary relevance.

* Explore Kashmiri short stories and their reflection of societal and cultural issues.

3rd Year: Advanced Kashmiri Literature and Interdisciplinary Integration

* Critically analyze Kashmiri drama and its contribution to Kashmiri performing arts.

* Explore fiction and non-fiction writings in Kashmiri literature, emphasizing their literary and cultural significance.

* Study the representation of science and technology in Kashmiri language and its adaptability to modern concepts.

* Understand and evaluate folk literature as a repository of Kashmiri culture and traditions.

Practical Components

To enhance practical understanding, students are encouraged to engage in:

* Translation Exercises: Translating Kashmiri texts into English or other regional languages.

* Field Studies: Documenting folk songs, oral narratives, and cultural practices.

* Creative Writing: Composing poetry, short stories, and essays in Kashmiri.

* Critical Analysis: Presenting research papers or essays on specific aspects of Kashmiri literature.

This structure ensures a comprehensive approach to learning Kashmiri language and literature while promoting cultural preservation and modern relevance.

Course Learning Outcomes of BSc with PHYSICS

1st sem Major 1/ Minor

PHY122J/ 122N: MECHANICS

Course Learning Outcomes:

After taking this course, the students will have understanding of the following core concepts and their applications to real physical systems:

1. Coordinate systems and their importance in describing motion.
2. Application of conservation laws in day to day life.
3. Usage of GPS in real time location finding.
4. Importance of elastic objects in our lives

3rd sem Major 1/ Minor

PHY322J/ PHY322N: WAVES AND OPTICS

Course Learning Outcomes:

After taking this course, the students will have understanding of the following core concepts and their applications to real physical systems:

1. Simple harmonic motion, superposition principle and its application to find the resultant of superposition of harmonic oscillations.
2. Concepts of vibrations in strings and different kinds of wave motion.
3. Interference as superposition of waves from coherent sources.
4. Basic concepts of Diffraction: Fraunhoffer and Fresnel Diffraction.
5. Concepts of the polarization of light and Holography

5th sem Major 1/ Minor

PHY522J1/ PHY522N: WAVES AND OPTICS

Course Learning Outcomes:

The learning outcomes of the course cover a wide range of topics in modern physics and its applications, providing students with a solid foundation in the subject.

1. Understand the inadequacies of classical physics in explaining phenomena like Blackbody Radiation, the Photoelectric Effect, and the Compton Effect.
2. Analyze the Davisson-Germer Experiment and its role in confirming the wave nature of particles.
3. Explain Heisenberg's Uncertainty Principle and its significance in quantum mechanics.
4. Understand Schrödinger's wave equation in its time-independent form.
5. Explain the linearity and superposition principles in quantum mechanics.
6. Calculate expectation values and work with operators in quantum mechanics.
7. Understand the concept of tunneling and its effects in quantum mechanics.
8. Understand the concept of electron spin and its experimental verification through the Stern-Gerlach experiment.
9. Describe the concept of symmetric and anti-symmetric wave functions in the context of quantum mechanics.
10. Understand atomic structures, including electron shells and sub-shells.
11. Calculate the total angular momentum J and understand the normal and anomalous Zeeman Effect.

12. Quantized rotational energies and describe rotational energy levels.
13. Explain the Raman Effect from a classical theory perspective.

5th sem Major 2

PHY522J2: MATHEMATICAL PHYSICS-II

Learning Outcomes:

The learning outcomes cover a broad range of topics in complex analysis, Fourier analysis, Laplace transforms, partial differential equations, and special functions. Students completing this course should have a strong understanding of these mathematical concepts and their applications.

1. Understand the fundamentals of complex numbers and their representation in the complex plane.
2. Describe the Cauchy-Riemann conditions and their role in determining analytic functions.
3. Explain Cauchy's Integral Formula and its applications in calculating complex integrals.
4. Understand Taylor and Laurent expansion of complex functions and their applications.
5. Apply the calculus of residues and the Residue Theorem to evaluate complex integrals.
6. Understand the concept of Fourier series and Fourier transform.
7. Calculate the Fourier transforms of derivatives and understand their implications.
8. Introduce the Laplace transform and its properties.
9. Define partial differential equations and boundary conditions in the context of partial differential equations.
10. Solve first-order partial differential equations and apply separation of variables.
11. Explain the concept of singular points in second-order differential equations and solve them using the Frobenius method.
12. Define Bessel functions of the first kind and their orthogonality properties.
13. Introduce Neumann functions and Henkel functions and their relevance.
14. Understand Legendre functions, their orthogonality, and their applications in spherical harmonics.
15. Describe associated Legendre functions and their significance in quantum mechanics.
16. Introduce Hermite functions and Laguerre functions and their applications in solving differential equations.

5th sem Major 3

PHY522J3: Electronics

Learning Outcomes:

The learning outcomes cover a wide range of topics related to semiconductor devices, electronic components, and digital systems. Students completing this course should have a strong understanding of these subjects and their practical applications.

1. Understand the classification of solids based on the energy band theory.
2. Analyze the formation and characteristics of a PN junction.
3. Derive the current equations for diffusion and drift current in a PN diode.
4. Explore the switching characteristics of a PN diode.
5. Understand the principles of transistor biasing.
6. Explain the basic structure and operation of a Junction Field-Effect Transistor (JFET).

COURSE OUTCOMES

7. Analyze the biasing of FET and its operation as a voltage variable resistor (VVR).
8. Explain the structure and working of Metal-Oxide-Semiconductor (MOS) devices, including NMOS, PMOS, and CMOS.
9. Design and analyze the working of half-wave, full-wave, and bridge rectifiers.
10. Determine the efficiency, ripple factor, and peak inverse voltage (PIV) for each type of rectifier.
11. Explain the operation of the Zener diode and its applications in voltage regulation.
12. Analyze the characteristics of operational amplifiers (Op-amps) and their applications as summer, integrator, and differentiator circuits.
13. Understand the physics of Light Emitting Diodes (LEDs).
14. Explain the working principles of solar cells and semiconductor lasers.
15. Analyze number systems and codes, including binary representation, addition, and subtraction.
16. Explain the fundamentals of logic gates, different logic families, and their comparative study.

COURSE ID	COURSE TITLE	CLASS	OUTCOMES
BOT124J/N	Microbes & Algae	BG-Semester-I	➢ The students became aware of: ➢ The diversity of microbes and algae. ➢ Economic importance in our daily lives ➢ Methods of identifying microbes & Algae in field. ➢ their different interactions
BOT222J/N	Anatomy of Angiosperms	BG-Semester-II	➢ The students learnt about: ➢ Various tissues in Plants ➢ Organ Anatomy and wood anatomy ➢ Dicot and monocot plants ➢ Special anatomy of hydrophytes and xerophytes
BOT322J/N	Morphology of Angiosperms	BG-Semester-III	➢ The students learnt about: ➢ Gross morphological features of plant parts. ➢ Their development and modifications ➢ Phyllotaxy and Inflorescences ➢ Fruit and Seed types
Bot422J1	Plant Taxonomy	BG-Semester-IV	➢ The students learnt about: ➢ Steps in plant identification & classification ➢ Taxonomic aids ➢ Herbarium preparation and classification ➢ Understandings of different plant families ➢ Phenetics & Cladistics
BOT422J2	Plant Physiology	BG-Semester-IV	➢ The students learnt about: ➢ Fundamental physiological processes in plants

			➢ Role of Plant hormones in plant development ➢ Physiology of flowering in plants ➢ Plant senescence and Aging.
BOT422J3	**Plant Biochemistry**	**BG-Semester-IV**	➢ The students learnt about: ➢ Primary and secondary metabolites ➢ Anabolism and Catabolism of primary metabolites ➢ Different physiological cycles involving primary and secondary metabolites ➢ Enzymes and enzyme kinetics
BOT522J1	**Mycology and Plant Pathology**	**BG-Semester-V**	➢ The students learnt about: ➢ Diversity of Fungi ➢ Methods of Fungal classification ➢ Economic importance of Fungi ➢ Understanding of different plant diseases caused by different microbes
BOT522J2	**Cell Biology**	**BG-Semester-V**	➢ The students learnt about: ➢ Basic structure of cell and cell organelles ➢ Molecular mechanism of functioning of different cell organelles
BOT522J3	**Plant Molecular Biology**	**BG-Semester-V**	➢ The students learnt about: ➢ DNA & RNA structure ➢ Fundamental processes involved in the process of gene expression ➢ Plant genes and genomes ➢ Regulation of gene expression

BOT624J1	**Reproductive and development biology of Angiosperms**	**BG-Semester-VI**	➢ **The students learnt about:** ➢ **Flower structure** ➢ **Gametogenesis** ➢ **Pollination & fertilization** ➢ **Embryogenesis** ➢ **Application of embryology**
BOT622J2	**Genetics & Cytogenetics**	**BG-Semester-VI**	➢ **The students learnt about:** ➢ **Basic Principles of Mendalian Inheritance** ➢ **Post-Mendalian Inheritance** ➢ **Genne interactions** ➢ **Quantitaive Inheritance** ➢ **Chromosome types** ➢ **Methods of Chromosome isolation and Identification**
BOT622J2	**Plant Breeding**	**BG-Semester-VI**	➢ **The students learnt about:** ➢ **Basic Principles of Crop improvement** ➢ **Plant genetic resources** ➢ **Plant Quarantine** ➢ **Molecular markers in crop breeding**

Urdu Language MIL (URM022A)

Course Outcome

Students would have attainened the ability to read , write and speak urdu with an understanding of its syntaxs, grammer.It embodied the sudents about the techenique of essay writing skill.

Course Outcome multidiscilinery (URL0221) URDU LITERATURE (INTRODUCTRY URDU)

The specific aim of this paper / course is to acquaint students with its origin and history of language and literature. They may also be able to know the satire , light essay .sketching and techniques of writing shortstory .

Couse Outcome Third Semester

HISTORY OF URDU LANGUAGE AND LITERATURE (URL322J)

After the Completion of the said designed course it is expected that the the students are able to attain the sufficient Knowledge of urdu language and literature .Historical development and Significance of various schools of thought viz Fortwilliam College, Delhi College , Schools of thought.

Course Outcome Fifth Semester (URL522J2)The art of translation

This is anticipated that while going through the course the learners would attain proficiency in doing translations from source languages to targetted languages .

Govt. Degree College Bijbehara

Department of Geography

Outcome course of BG 3rd Semester for "Disaster Management (Technology Interventions in Disaster Management)

SKILL ENHANCEMENT COURSE

Course Code: DMG322S **CREDITS 2+2**

- To analyze the role of Information and Communication Technology (ICT) in disaster preparedness, response, and recovery.
- To evaluate tools and technologies for efficient communication and data management during disasters.
- To demonstrate the effective use of social media platforms for real-time disaster communication and community mobilization.
- To understand the mechanisms of early warning systems for extreme weather events.
- To assess the effectiveness of early warnings in reducing risks and enabling timely evacuation and preparedness.
- To use geospatial software for creating and managing inventories of essential resources for disaster response.
- Critically evaluate existing disaster management frameworks and propose technology-driven improvements.
- To foster innovative approaches using ICT and social media to address gaps in disaster response and recovery.
- To conduct rapid visual assessments of critical infrastructure such as educational and healthcare institutions to identify vulnerabilities and prioritize interventions.

- To apply assessment techniques to ensure the resilience and safety of essential community facilities during disasters.
- Utilize rapid assessment tools to support evidence-based decision-making during disaster response and recovery phases.
- Prioritize resource allocation based on assessment findings to optimize disaster recovery efforts.
- Demonstrate the ability to use field-based assessment techniques in real-world disaster scenarios.

By the end of the course, students will be equipped with the analytical and practical skills to evaluate disaster impacts effectively, ensuring informed planning, response, and recovery actions for resilient communities.

Head of the Department

Course outcomes

CHM122J/N: CHEMISTRY: FUNDAMENTALS OF CHEMISTRY AND CHEMICAL ANALYSIS-I

On completion of the course, the student should be able to:

- Understand the nature and strength of forces between chemical constituents, different theories of chemical bonding and acid base concepts.
- Recognize the key reactive intermediates in organic chemistry and understand different aspects of stereochemistry.
- Understand the structural and behavioral aspects of states of matter.

CHM222J/N: CHEMISTRY: FUNDAMENTALS OF CHEMISTRY AND CHEMICAL ANALYSIS-II

- The student should be able to comprehend various aspects of p-block elements.
- Understand basic concepts of organic reaction mechanisms.
- Describe principles of thermodynamics and their application to real systems.

CHM322J/N: CHEMISTRY: FUNDAMENTALS OF CHEMISTRY AND CHEMICAL ANALYSIS-III

On completion of the course, the student should be able to:

- Appreciate and contrast chemistry of transition elements.

- Understanding of electronic, magnetic, spectral and bonding properties of their complexes.
- Applications of transition elements.
- Learn the chemistry of oxygen bearing compounds.
- Evaluate fundamentals of conduction and electrochemical cells.
- Understand the kinetics of chemical processes.

CHM422J1/N: CHEMISTRY: CONCEPTS IN ANALYTICAL CHEMISTRY

After completing this course, the student is expected to learn the following:

- Analytical chemistry and its significance and scope.
- About significant figures and errors, essential for reporting data/results in a scientifically correct way.
- Different types of separation methods and their scope and limitations.
- Theory of gravimetry and titrimetry, which are important components of their laboratory courses.
- Different methods of chromatography, its working and scope.

CHM422J2: CHEMISTRY: SELECTED TOPICS IN INORGANIC CHEMISTRY

- Provide basic understanding of coordination compounds, their bonding and applications.
- Importance of metal ions in biology and knowledge of various enzymes and their activities.
- Understand the structure and importance of metalloproteins, synthetic oxygen carrier model compounds.
- Understand balancing of redox reactions, trends in standard potentials, redox indicators, nuclear forces and application of radioisotopes.
- Understanding of electronic, magnetic, and spectral properties of inner transition elements and applications of these elements.

CHM422J3: CHEMISTRY: STEREOCHEMISTRY AND REACTION MECHANISM

Students will be expected to gain knowledge about basic concept of symmetry and chirality in the molecules, their spatial arrangement, properties and reactivity of stereoisomers, importance of the configuration of chiral organic compounds which will be useful in pharmaceutical industry where chemists works on stereoselective synthesis of compounds. The students will also gain knowledge about reaction mechanisms and stereochemistry involved in formation of products. The knowledge about controlling the stereochemical pathways of the reaction is very useful in

the pharmaceutical industry. The broad spectrum of pericyclic reactions involved in organic synthesis, mechanism and applications.

CHM522J1/N: CHEMISTRY: ENVIRONMENTAL AND GREEN CHEMISTRY

The students will acquire knowledge of:

- Principles of green chemistry.
- Alternative reaction conditions and their applications.
- Designing greener processes.
- Chemistry of environmental segments.
- Chemistry, monitoring and control of environmental contaminants.
- Chemistry behind treatment applications.

CHM522J2: CHEMISTRY: SELECTED TOPICS IN PHYSICAL CHEMISTRY

- Students shall learn to derive some important equations of thermodynamics and understand the implications of these equations.
- Students shall be able to make use of thermodynamic relations for the thermochemical estimations.
- Students will understand the basic concepts of Phase transformations and Phase rule.
- Students shall be able to sketch and read the phase diagrams of one and two component systems.
- Understand some basic concepts of surface chemistry, thermodynamic implications of equilibrium across solid/liquid, solid gas and liquid-air interfaces, like adsorption.
- To understand the basic aspects of interactions of light with matter and laws of photochemistry.

CHM522J3: CHEMISTRY: ADVANCED INORGANIC CHEMISTRY

After completing this course, the student is expected to learn the following:

- Importance of metal ions in biology and knowledge of various enzymes and their activities.
- Advanced applications of bioinorganic chemistry in the field of medicine.
- Basic understanding of organometallic compounds, preparation, properties and structural analysis of pi-acid complexes.
- Knowledge of molecular symmetry and point groups.

CHM622J1/N: CHEMISTRY: BIOLOGICAL CHEMISTRY

On completion of the course, the student should be able to:

- Importance of metal ions in biology.
- Knowledge of various enzymes and their activities.
- Advanced applications of bioinorganic chemistry in the field of medicine.
- Knowledge of various bioorganic molecules.
- Knowledge of biological processes in the realm of thermodynamics and ion transport.

CHM622J2: CHEMISTRY: SELECTED TOPICS IN ORGANIC CHEMISTRY

On completion of the course the student should be able to:

- Understand the fundamentals of various types of organic reactions, their mechanisms and applications.
- Importance of heterocyclic chemistry and cyclization processes.
- Recognize the importance of the chemical aspects of rearrangements, natural products and chemistry involved in medicine.

CHM622J3: CHEMISTRY: ADVANCED CONCEPTS IN PHYSICAL CHEMISTRY

- Students shall learn what are fast reactions and how the kinetic investigations are carried out for such reactions.
- Students will learn about the ways a solvent shall affect the kinetics of reactions in solution.
- Students shall appreciate the difference between the solution and gas phase reactions.
- Learn how to use the activated complex theory for the estimation of rate constants for gas phase, solution phase and surface reactions.
- Students shall understand how reaction kinetics of ionic reactions can be changed through use of salt addition and solvent change.
- Students shall learn the basic concepts of statistical thermodynamics and how to use these concepts for the estimation of thermodynamic parameters of simple systems.
- Students learn the basic concepts of X-Ray crystallography and how to interpret X-Ray diffractograms of simple crystalline solids.

Course outcomes

MMT122J/N: MATHEMATICS: CALCULUS-I

- After the successful completion of the course, students shall be able to apply differential operators to understand the dynamics of various real life situations.

- The students shall be able to use differential calculus in optimization problems.

MMT222J/N: MATHEMATICS: CALCULUS-II

- The techniques involved in the course shall be used to estimate area and to solve complex problems.

MMT322J/N: MATHEMATICS: THEORY OF MATRICES

After the completion of this course, students shall be able to:

- Apply techniques of matrix theory to solve real life problems
- Use matrix techniques in coding theory and cryptography
- Use eigen values to find the stability of various systems.

MMT422J1/N: MATHEMATICS: REAL ANALYSIS -1

After the completion of this course, students shall be able to:

- Apply these concepts to determine convergence and divergence of real sequences and infinite series.
- Explore new ideas in mathematical and modern analysis.

MMT422J2: MATHEMATICS: GEOMETRY

After the completion of the paper, the student is:

- Expected to handle 2D and 3D geometrical concepts.
- Understand the nature of Hyperbolic functions.
- Trace standard curves in Cartesian coordinates and polar coordinates.

MMT422J3: MATHEMATICS: THEORY OF NUMBERS

Upon successful completion of this course students will able to:

- Deal with the problems arising in cryptography and information theory especially in RSA encryption and decryption.
- Solve congruences, linear diaphatine equations, and other higher concepts of Discrete Mathematics.

MMT522J1/N: MATHEMATICS: ALGEBRA – I

After the completion of this course, students shall be able to:

- Understand group through symmetries in nature and can identify patterns.
- Shall be able to apply these concepts in linear classical groups to solve problems arising in physics, computer science, economics and engineering etc.

MMT522J2: MATHEMATICS: MATHEMATICAL MODELING & NUMERICAL METHODS

Students can handle physical and abstract problems to find exact or approximated solutions. After getting trained a student can opt for advance courses in Applied Mathematics, Numerical analysis in higher mathematics.

MMT522J3: MATHEMATICS: FOURIER AND LAPLACE TRANSFORM

After the completion of this course, students shall be able to use Fourier and Laplace transforms to solve the differential equations and to understand signal processing in frequency and time domain.

MMT622J1/N: MATHEMATICS: GRAPH THEORY

After the completion of degree, students shall be able to understand graph theoretical concepts, and discrete structures and their applications in other disciplines

MMT622J2: MATHEMATICS: DIFFERENTIAL EQUATIONS

After completion of this course the students shall be able to handle various real life problems and their dynamical processes.

MMT622J3: MATHEMATICS: ADVANCED CALCULUS

After the completion of this course, students shall be able to solve double and triple integrals. To evaluate problems using Green's theorem, surface integrals for solution of integrals.

Course Objectives

1st Semester

Upon completing the course, students will be able to:

- Identify, read, and write the Arabic alphabet accurately.
- Learn essential vocabulary related to everyday objects and situations in Arabic.
- Understand the fundamentals of Arabic script and writing structure.
- Form simple sentences and basic constructions in Arabic.

3rd Semester

Upon completing the course, students will be able to:

- Read and comprehend intermediate-level Arabic texts and grammar.
- Enhance Arabic communication skills.
- Increase accuracy, fluency, and the ability to express oneself effectively in Arabic.

5th Semester

Upon completing the course, students will be able to:

- Master advanced practical and applied grammar.
- Translate advanced-level texts between Arabic and English.
- Achieve proficiency in advanced Arabic grammar.

Government Degree College Bijbehara

Department Of Statistics

Course Outcomes

Semester Ist

Descriptive Statistics STS123J

1. **To understand the Statistics, its Scope and Importance in various Fields.**
2. **To Develop Ability to understand concepts of Sample, Techniques of Sampling, Data and interpretation of Data, including common graphical tools such as boxplots, histograms and stem plots.**
3. **Develop Deep understanding about summarizing data sets.**

4. **To develop Ability to describe data with measurement of central tendency and measurement of Dispersion.**

Semester 2nd

Statistics: Correlation and Regression Analysis STS223J

1. **To have a clear understanding of when to apply various descriptive statistics like correlation and Regression analysis for the real-life data sets and draw appropriate conclusions from the analysis.**
2. **Develop Clear understanding of measurement of Skewness and Kurtosis.**
3. **Understand Correlation its uses and methods.**

Semester 3rd

Probability Theory STS323J

1. **To understand the basic concepts set theory, calculus and their applications in statistical inference.**
2. **To understand the basic concepts of probability theory and its properties.**
3. **To have clear understanding of when to apply various tests of hypothesis about population parameters using sample statistics and draw appropriate conclusions from analysis.**
4. **Develop ability to deal with problems of attributes.**
5. **Develop ability to understand the concept of random variables, concept of probability of distribution and conditional probabilities based on Bayes Theorem.**

Semester 4th

Statistics: Probability Distribution STS423J1

1. **To understand the basic concepts of Expectation of a random variable and its properties.**
2. **To understand the concept of Binomial Poisson, geometric discrete probability distribution etc.**
3. **To develop the deep understanding of Binomial, Poisson, Geometric discrete probability distribution etc.**
4. **Develop ability to deal Cauchy, gamma and beta of first kind as well as second kind along with their properties.**

Semester 5th

Statistics: Sampling Theory STS522J1

1. **To develop understanding od Sampling Techniques and their applications in Statistical inferences.**
2. **To Develop understanding regarding census and sampling process, reasons for opting the sampling methods, sampling and non-sampling errors.**
3. **To understand the concept of probability sampling with their applications in various fields.**

Semester 6th

Statistical Computing STS622J1

1. **To Express the students the real-life skill for Statistical Computing analysis and graphical interpretations using software skill.**
2. **To understand the Descriptive Statistics and Correlation analysis.**
3. **To understand the usages of Statistical and Computational Software's.**

HISTORY: HISTORY OF ANCIENT INDIA
1ST SEMESTER MAJOR
Course Code: HST123J

Course Overview: This course deals with the history and archaeology of Indian subcontinent from stone ages up to the early medieval times. By imparting basic understanding of the different category of sources the learner will be acquainted with the various stone-age cultures, civilizations, chiefdoms, kingdoms and empires that flourished in the Indian subcontinent. The course explores the forces that resulted in the origin, growth and development of different socio-economic and political structures. The course also discusses state formation and empire building process in the Indian Sub-continent.

Course Learning Outcomes: After successful completion of the course the learners are expected:

a. To understand the significance of various categories of sources.

b. To understand the origin, growth and development of various cultures in Indian subcontinent. c. To appreciate the importance of various processes of interaction and accommodation in the making of Indian plural culture.

d. To appreciate the value of heritage.

Bachelors with History as Major/Minor, 3rd Semester
Title: History of Modern India
Code: HST322JS

This course offers a comprehensive exploration of the history of modern India, covering the period from the inception of British rule in India till its demise in 1947. It examines the different historical processes that shaped the politico-economic and socio-cultural structures/ aspects of life during the colonial period and helps in developing among the learners a nuanced understanding of the functioning and impact of colonialism. How the British empire was reared and sustained and what were the different ways and methods through which the colonized responded to colonialism are critically analysed to broaden the historical imagination of the learners. Through well thought out tutorial and assignments an attempt is made to take the learners out of the classroom settings to

promote experiential learning, appreciate the value of heritage and gather history from ground. Course Learning Outcomes:

After successful completion of the course the learners are expected to:

a. Develop proper understanding of the historical processes and dynamics that led to the establishment of British rule in India

b. Understand the nature and purpose of British rule in India

c. Develop a nuanced understanding of the different events and episodes in Modern India history by locating them [events/ episodes] in a space-time context.

d. Appreciate the contribution of masses and leaders in the struggle for freedom

BACHELORS WITH HISTORY AS MAJOR (CT – I)

5th SEMESTER HST522J1

HISTORY OF MEDIEVAL KASHMIR

COURSE OVERVIEW

The course aims to enable the students to have a comprehensive understanding of medieval Kashmir. The course addresses the unfolding of the historical trajectory of Kashmir from the establishment of the Sultanate to the end of the rule of Khalsa Darbar. The important themes, changes, and continuities in regional economy, society, and polity are addressed. The course offers a rich view by exploring the regional history in the overall history of the country thereby exposing the regional historical peculiarities and processes.

LEARNING OUTCOMES: After the successful compilation of the course, the learners are expected to:

a. Develop understanding among learners about the political and administrative setup in medieval Kashmir.
b. Appreciate the role of devotional movements in making composite culture in medieval Kashmir.
c. Develop a holistic understanding of the changes and continues in economy, society and culture throughout the period.

BACHELORS WITH HISTORY AS MAJOR (CT – II)

5th SEMESTER HST522J2 HISTORY

SOCIO-CULTURAL HISTORY OF MEDIEVAL INDIA

COURSE OVERVIEW

The medieval period being a period of great cultural change, entailed the fusion of various socio-cultural beliefs, practices, and philosophies that shaped the composite culture of India. The cultural synthesis is best reflected in medieval Indian art, architecture, painting, and devotion. The paper highlights the workings of medieval society and culture. It offers perspectives on important themes like social structure, gender, and medieval aesthetics.

LEARNING OUTCOMES: After the completion of the course, the learners are expected to: a. Study the growth of composite socio-cultural life, including art and architecture.

b. Sensitize learners about gender relations in medieval India.

c. See the role of devotional movements in the development of composite culture.

d. Explain and appreciate art, architecture and painting in medieval India

BACHELORS WITH HISTORY AS MAJOR (CT – III)

5th SEMESTER

Course Code: HST522J3

ECONOMIC HISTORY OF MEDIEVAL INDIA

COURSE OVERVIEW

The economy of medieval India is a subject of great scholarly engagement. The paper discusses medieval agrarian production, technology and taxation from a historical perspective. Besides the agrarian sector, the non-agrarian sector of medieval India, i.e. trade, crafts, monetization and urbanization, found their due space. The paper attempts to evaluate the forces of production, subsistence and appropriation of surplus in agrarian and non-agrarian sectors of the medieval Indian economy.

LEARNING OUTCOMES: After the completion of the course, the learners are expected to:

a. Understand the major economic institutions of medieval India
b. Appreciate the working of trade, commerce and indigenous banking of medieval India.
c. To map the contours of the urban economy of medieval India, and
d. To Explain the working of overseas and inland trade.