

Mahatma Phule Shikshan Sanstha's
Karmaveer Bhaurao Patil College, Urun-Islampur
Tal- Walwa, Dist.-Sangli-415 409.
Department of Geography
COURSE OUTCOMES UG 25-26 as per NEP 2020

A-I) B. A. / B. A. B. Ed. – I: Semester-I

1. Paper - Physical Geography – DSC I Course Code - BAU0325MMH222A01

Course Outcomes: By the end of the course, students would be able to:

1. The students will possess a comprehensive understanding of Physical Geography, branches and fundamental laws.
2. They will demonstrate proficiency in analyzing rocks weathering, interpreting endo/exogenetic Earth movements, and of Wind and Precipitation
3. Applying theoretical knowledge to real-world scenarios, emphasizing disaster management, urban planning and transportation.

2. Natural Disaster Management – OE I Course Code - BAU0325OEH222A01

Course Outcomes: By the end of the course, students would be able to:

1. Students will define and explain key concepts related to natural hazards and disaster risk reduction.
2. Students will understand the frameworks and strategies used in disaster risk reduction to mitigate and prevent the impacts of natural hazards.
3. Students will identify natural hazards and conduct hazard and risk assessments using appropriate methodologies.
4. Students will apply principles of emergency planning and management in the context of disaster risk reduction and develop strategies for capacity building and training to enhance preparedness and response capabilities.

3. SEC P01: Fundamentals of Tourism-I (Geography) Course Code: BAU0325SEL222A01

Course Outcomes: Upon successful completion of this course, students will be able to:

1. Demonstrate a comprehensive understanding of the fundamental concepts and historical evolution of tourism, discussing its global perspectives and interconnections with related domains like pilgrimage, recreation, and leisure.
2. Assess and critically analyze the multifaceted impacts of tourism on the economy.

Environment, and society, fostering a holistic perspective of its implications.

3. Evaluate diverse types of tourism, recent trends in international and regional tourism, and emerging concepts such as eco-tourism and sustainable tourism, integrating geographical parameters to comprehend the evolving nature of the industry.

A-I) B. A. / B. A. B. Ed. – I: Semester-II

1. DSC II: Human Geography-II (Geography) as per NEP 2020

Course Outcomes: Course Code - BAU0325MMH222B02

By the end of the course, students would be able to:

1. The student will understand the basics of Human Geography through its branches, and the man-environment relationships.
2. Population Awareness: Students will gain insights into factors influencing global and Indian population distribution, addressing overpopulation challenges and examining Malthus' population theory.
3. The students will learn the spatial relationship between Transportation and Economic Activity.
4. The students will get knowledge of Human Development Index (HDI) and will played pivot role in human development.

2. Manmade Disaster Management -II OE (OPEN ELECTIVE COURSE) as per NEP

2020. Course Code: BAU0325OELP222B02

Course Outcomes: By the end of the course, students would be able to:

1. Students will define and explain key concepts related to manmade hazards and disaster risk reduction.
2. Students will understand the frameworks and strategies used in disaster risk reduction to mitigate and prevent the impacts of manmade hazards.
3. Students will identify manmade hazards and conduct hazard and risk assessments using appropriate methodologies.
4. Students will apply principles of emergency planning and management in the context of disaster risk reduction and develop strategies for capacity building and training to enhance preparedness and response capabilities.

3. SEC P02: Components of Tourism-II (Geography) as per NEP 2020, Course Code: BAU0325SEL222B02

Course Outcomes: Upon successful completion of this course, students will be able to:

1. Demonstrate an in-depth understanding of the diverse components that constitute tourism, including ecological, cultural, and urban perspectives.
2. Critically analyze and discuss the tourism landscape in India, including World Heritage Sites, infrastructure development, challenges, and regional case studies.
3. Evaluate the National Tourism Policy of India, identifying its strengths, weaknesses, and implications for the tourism industry.

4. CEP: Acquisition of Social Data (Geography) as per NEP 2020

Course Code: BAU0325CEL222B

Course Outcomes: By the end of the course, students would be able to:

1. The Students will be aware about data types of data and its sources.
2. The Students will familiar with issues and common challenges of data collection.
3. The Students will know the characteristics of social data.
4. The Students will able to acquire social data through various techniques.

A-I) B. A. / B. A. B. Ed. – II: Semester-III

DSC- Major- III Mandatory Environmental Geography Course Code:BAU0325MML322C03

Course Outcomes: By the end of the course, students will be able to:

1. Demonstrate an understanding of key concepts of Environmental Geography.
2. Critically analyze environmental problems at local, national, and global levels, such as pollution, global warming, climate change, ozone depletion, and biodiversity loss.
3. Identify the causes and effects of various environmental issues from a geographical perspective.
4. Gain knowledge of the role of national, and local governments, organizations, and policies in managing environmental resources, environmental planning and management and addressing environmental challenges.

DSC- III Major- IV Basics of Map Making (Practical) Course Code:BAU0325MMP322C04

Course Outcomes: By the end of the syllabus, students will be able to:

1. Explain the fundamental concepts, historical development, and different types of maps
2. Identify, utilize, and convert various map scales accurately in practical applications
3. Understand, classify, and accurately draw different map projections based on their properties
4. Design balanced and visually appealing map layouts, create thematic maps, and employ modern mobile mapping tools for data collection and analysis

DSC-Minor-I Resource Geography Course Code: BAU0325MNL322C01

Course Outcomes: After completing this course, students will be able to:

1. CO1 (Remembering & Understanding): Define Resource Geography and explain its scope, classification, and importance.
2. CO2 (Applying): Illustrate and interpret the patterns of distribution, utilization, and issues associated with water, forest, land, and human resources.
3. CO3 (Analysing & Evaluating): Analyse conservation techniques and assess the effectiveness of sustainable development practices like JFM, rainwater harvesting, and ZBNF.
4. CO4 (Creating): Propose integrated resource planning solutions based on Indian models (e.g., Hiware Bazar) to achieve sustainable development goals

OE III: Geography of Rural Development as per NEP 2020

Course Code: BAU0325OEL322C03

Course Outcomes: By the end of the course, students will be able to:

1. Explain the fundamental concepts, objectives, and need for rural development, and critically evaluate the Growth Pole Theory by F. Perroux and its relevance to rural development.
2. Identify and assess the geographical, social, economic, and political challenges impacting rural development, and propose informed solutions to address these issues.

VSC I: Soil Analysis (Practical) As Per NEP 2020 (2.0) Course Code: BAU0325VSP322C01

Course Outcomes: By the end of the course, students would be able to:

1. The students will possess a comprehensive understanding of Soil Properties and Their Significance.

2. They will demonstrate proficiency in correctly collect soil samples from various areas and prepare them for laboratory analysis.
3. Practically the students will be performing scientific analyzer of soils.
4. The students will be apply soil analysis data to overcome real-world problems related to soil fertility, erosion control, land reclamation, and sustainable agriculture.

IKS- Water Management in Ancient India Course Code: BAU0325IKL322C01

Course Outcomes: By the end of the syllabus, Students will be able to:

1. Explain the historical context and significance of traditional water management systems in ancient India, recognizing the value of indigenous knowledge.
2. Identify and describe traditional water harvesting and irrigation techniques, and assess their cultural and environmental significance through case studies.

B. A. / B. A. B. Ed. II Geography Semester IV

DSC- V Major V: Physical Geography of Maharashtra as per NEP 2020 (2.0)

Course Outcomes:

1. Knowledge of Maharashtra's Geography: Students will gain a detailed understanding of Maharashtra's location, its formation, physiographic division, and climatic conditions.
2. Application of Geographical Knowledge: Students will be able to analyse and propose solutions to regional challenges such as floods, droughts, and energy shortages, contributing to sustainable development.
3. Water Resource Management Skills: Students will understand the geographical distribution and management of river and water bodies for proper utilization of water in Maharashtra.
4. Sustainability Awareness: Students will develop insights into issues like soil degradation, deforestation, biodiversity and its loss, along with strategies for their mitigation.

Major VI: Quantitative Techniques in Geography (Practical) as per NEP 2020 (2.0)

Course Code : BAU0325MMP322D06

Course Outcomes: By the end of the course, students would be able to:

1. The students would familiar with the different quantitative techniques and methods.
2. The students would prepared for analysis of population dynamics with help of quantitative techniques.
3. The students would understand the different quantitative techniques in network analysis.

4. The students would apply composed knowledge of agricultural regionalization and settlement characteristics.

Minor II: Cultural Geography (Geography) as per NEP 2020, Course Code:

BAU0325MNL322D02

Course Outcomes: After completing this course, students will be able to:

1. Define and explain the core concepts of cultural geography, including the man-environment relationship and the scope of the field. (Bloom's Level: Remember, Understand)
2. Identify and interpret the spatial distribution and cultural significance of elements like language, religion, ethnicity, and race. (Bloom's Level: Understand, Analyze)
3. Assess cultural diffusion processes and distinguish between various cultural landscapes and regions of the world. (Bloom's Level: Analyze, Evaluate)
4. Examine and reflect on India's cultural diversity, heritage, festivals, and their importance in cultural tourism and national identity. (Bloom's Level: Apply, Evaluate)

OE- IV Agro-based Rural Development and Planning Course Code:

BAU0325OEL322D04

Course Outcomes: By the end of the course, students will be able to:

1. Explain the role of agriculture and allied activities in rural development, including the importance of agro-based processing industries and agro-tourism.
2. Identify and assess the planning and management strategies for agro-based industries, sustainable development practices, and the application of innovation and technology in agriculture. They will also be able to analyze successful rural model villages and propose informed solutions for similar rural development projects.

VSC II: Water Survey and Mapping (Practical) Course Code :BAU0325VSP322D02

Course Outcomes:

1. Water Resources Knowledge: Students will describe different types of water resources and their significance locally and globally.
2. Practical Survey Skills: Students will gain hands-on experience in water surveys, mapping sources, and pollution identification using Google Earth and mobile apps.
3. Water Harvesting Techniques: Students will apply their knowledge for rainwater harvesting to overcome on water scarcity.
4. Water Analysis Techniques: The students will get practical knowledge of water

**Bachelor of Arts (B. A.) In Geography Under Faculty of Science and
Technology B. A. / B. A. B. Ed. Part-III (Semester – V and VI) NEP-2020
(2026-27) Course Outcome**

Major-VII, Course Title: Human Geography of Maharashtra

Paper Title - Human Geography of Maharashtra Major – Theory, Course Code: BAU0325MMT422E07				
CO Code	Course Outcome	PO Co de	Programme Outcome	Explanation / Purpose
CO 1	Explain the historical evolution, socio-cultural characteristics and regional diversity of Maharashtra with reference to fairs, festivals, folk traditions and socio-cultural issues.	PO 1	Demonstrate comprehensive knowledge of one's discipline and related areas.	Demonstrate comprehensive knowledge of one's discipline and related areas.
CO 2	Analyse the demographic structure, spatial distribution, population growth and patterns of urbanisation in Maharashtra using logical and systematic reasoning.	PO 2	Use logical reasoning and innovation to solve complex problems systematically.	Use logical reasoning and innovation to solve complex problems systematically.
CO 3	Apply geographical and scientific knowledge to assess the distribution and development of resources, industries and energy systems in Maharashtra.	PO 3	Apply scientific knowledge and ethical reasoning to real-world situations.	Apply scientific knowledge and ethical reasoning to real-world situations.
CO 4	Use maps, statistical data, census reports and digital tools to interpret demographic, industrial, tourism and health related patterns in Maharashtra	PO 4	Use ICT tools efficiently for communication, analysis and information management.	Use ICT tools efficiently for communication, analysis and information management.
CO 5	Critically examine ethical issues related to regional disparities, urban problems, public health challenges and sustainable use of resources in Maharashtra	PO 5	Apply scientific knowledge and ethical reasoning to real-world situations.	Recognize ethical issues and behave with integrity and fairness.
CO 6	Analyse tourism in Maharashtra in relation to global tourism issues, cultural diversity and sustainable development, with reference to spatial distribution, social inclusion, economic contribution and challenges.	PO 6	Understand global issues, respect cultural diversity and act for sustainable development.	Understand global issues, respect cultural diversity and act for sustainable development.

Paper Title – VIII : Geospatial Analysis: Map and Image Interpretation
Major - Practical

CO Code	Course Outcome	PO Code	Programme Outcome	Explanation / Purpose
CO 1	Explain the concepts, principles and significance of topographical maps and image interpretation in Geography.	PO 1	Disciplinary Knowledge	Builds strong foundational knowledge of maps, images and interpretative techniques in Geography
CO 2	Interpret relief, drainage, landforms and human features from Survey of India top sheets.	PO 2	Problem Solving	Enables logical interpretation of spatial patterns and real-world geographical problems using maps.
CO 3	Analyze weather data, climatic diagrams and weather maps for geographical interpretation.	PO 3	Scientific Reasoning / Reflective Thinking	Promotes scientific analysis and interpretation of weather and climatic data
CO 4	Interpret satellite images and aerial photographs using elements and keys of image interpretation.	PO 4	Digital Literacy	Enhances use of digital platforms and geospatial imagery for spatial interpretation.
CO 5	Correlate map, weather, satellite and field-based data for integrated geographical analysis.	PO 5	Problem Solving	Encourages integration of multiple data sources for comprehensive geographical analysis.
CO 6	Prepare structured field visit reports by applying principles of observation, interpretation and geographical reasoning.	PO 6	Environment & Sustainability / Global Citizenship	Develops awareness of environmental processes and responsible interpretation of field-based geographical realities.

**Major IX: Research Methodology as per NEP 2020 (2.0). Course Code :
BAU0325MMT422E09**

CO Code	Course Outcome	PO Code	Programme Outcome	Explanation / Purpose
CO 1	Explain the Meaning, Definition and types of Research (Remember, Understand)	PO 1	Disciplinary Knowledge	Demonstrate understanding of research concepts and geographical inquiry
CO 2	Describe the steps in research process and research design (Understand, Apply)	PO 2	Critical Thinking	Apply analytical thinking in defining research design
CO 3	Understand the importance of research ethics, plagiarism, copyrights, IPR and responsibility of researcher (Apply, Analyze)	PO 3	Moral and Ethical Awareness	Use logical reasoning for data analysis and interpretation
CO 4	Formulation of Research Problem, types of data collection and methods of data sampling (Analyze, Evaluate)	PO 4	Problem Solving	Develop skills in methods of data collection and sampling
CO 5	Create the outline of research report and apply the research methodology, data processing and analysis for using ICT and geospatial tools (Apply, Create)	PO 5	Digital Literacy	Utilize digital and geospatial tools effectively for research report writing skill
CO 6	Finalize research reports with the help of Referencing, citation, and bibliography, Presentation of tables, charts, and diagrams (Evaluate, Create)	PO 6	Research related Skills	Practice ethical conduct and academic integrity in research

**Major Elective I: Agricultural Geography As per NEP 2020 (2.0) Course
Code: BAU0325MET422E01**

CO Code	Course Outcome	PO Code	Programme Outcome	Explanation / Purpose
CO 1	Define and explain the scope and nature of Agricultural Geography, including concepts like NDVI and influencing factors (Remember, Understand).	PO 1	Disciplinary Knowledge	Demonstrate comprehensive knowledge of Agricultural Geography concepts.
CO 2	Analyze major agricultural systems, including subsistence and commercial agriculture; identify problems in general and in Satara / Sangli / Kolhapur district in particular (Understand, Apply).	PO 2	Problem Solving	Use reasoning and innovation to address agricultural problems.
CO 3	Describe agricultural land use theories, Bases for the whittlesey's classification of agriculture (Analyze, Evaluate)	PO 3	Scientific Reasoning / Reflective Thinking	Apply scientific method and reflect on agricultural spatial patterns
CO 4	Evaluate irrigation types & techniques, Green/White Revolution, organic farming, and Use of GIS, GPS, and remote sensing in agriculture (Evaluate, Create)	PO 4	Digital Literacy	Use ICT tools for agricultural data management and analysis.
CO 5	Examine ethical issues related to agricultural and sustainable development (Evaluate, Create).	PO 5	Moral and Ethical Awareness / Reasoning	Recognize ethical and moral dimensions of agricultural practices.
CO 6	Communicate effectively on Agricultural Geography topics; appreciate sustainability and global agricultural issues (Create).	PO 6	Global Citizenship / Multicultural Competence / Environment & Sustainability	Promote responsible global citizenship through agricultural geography knowledge.

Minor III: Physical Geography of India As per NEP 2020 (2.0), Course Code: BAU0325MNT422E03

CO Code	Course Outcome	PO Code	Programme Outcome	Explanation / Purpose
CO 1	Understand the major physiographic divisions of India and their physical features. They will analyse how physical features.	PO 1	Scientific Reasoning / Reflective Thinking,	Apply scientific method and reflect on physiographic patterns.
CO 2	Understand the factors influencing India's climate and the characteristics of monsoon systems. They will be able to analyse seasonal variations and their impact on agriculture, water resources, and human activities.	PO 2	Problem Solving	Use reasoning and innovation to address agricultural problems.
CO 3	Students will understand the origin, evolution, and classification of India's river systems and their relation to relief and climate. They will be able to analyse the role of rivers in Indian development	PO 3	Problem Solving	Recognize ethical and moral dimensions of soil practices.
CO 4	Understand the major types, distribution, and characteristics of Indian soils. They will analyse the relationship between soil types, crops, and sustainable agricultural practices.	PO 4	Moral and Ethical Awareness / Reasoning	Recognize ethical and moral dimensions of soil practices.
CO 5	Understand the types, distribution, and ecological significance of Indian forests. They analyse the role of forests in biodiversity conservation, climate regulation, and sustainable development.	PO 5	Moral and Ethical Awareness / Reasoning	Recognize ethical and moral dimensions of forest practices.
CO 6	understand the distribution, types, and economic importance of mineral and power resources in India. They will develop awareness about conservation, sustainable use, and the role of these resources in national development	PO 6	Global Citizenship / Multicultural Competence / Environment & Sustainability	Promote responsible global citizenship through mineral and power recourse knowledge.

Other Elective (OE) V: Water Literacy and Water Budgeting As per NEP 2020 (2.0), Course Code: BAU0325OET422E05

CO Code	Course Outcome	PO Code	Programme Outcome	Explanation / Purpose
CO 1	Understand the concept of water literacy and its importance. (Understand)	PO 1 Disciplinary Knowledge	Demonstrate comprehensive knowledge of water as a renewable but limited natural resource.	Students gain conceptual clarity about water literacy, its scope, and its role in sustainable resource management.
CO 2	Identify and explain different water resources and their significance. (Understand, Apply)	PO 2 Problem Solving	Use logical reasoning and innovation to solve complex problems systematically.	Learners identify types of water resources (surface, groundwater, rainwater) and evaluate their utility for local and regional development.
CO 3	Analyse the causes and impacts of water scarcity and water-related issues. (Analyse, Evaluate)	PO 3 Scientific Reasoning / Reflective Thinking	Apply scientific knowledge and ethical reasoning to real-world situations	Students apply scientific understanding to assess factors causing scarcity, droughts, and pollution, and reflect on mitigation strategies.
CO 4	Use geoinformatics and digital tools for water conservation and management. (Evaluate, Create)	PO 4 Digital Literacy	Use ICT tools efficiently for communication, analysis, and information management.	Encourages students to utilize GIS, remote sensing, and other digital techniques to support water resource management and decision-making.
CO 5	Understand the concept and process of water budgeting and assess water use and wastage. (Evaluate, Create)	PO 5 Moral and Ethical Awareness / Reasoning	Recognize ethical issues and behave with integrity and fairness.	Students understand the ethical responsibility of conserving water and analyze patterns of water use and wastage for sustainable management.
CO 6	Apply water budgeting techniques for sustainable development at community or institutional levels. (Evaluate, Create)	PO 6 Global Citizenship / Environment & Sustainability	Understand global issues, respect cultural diversity, and act for sustainable development.	Learners practically apply water budgeting methods, promoting environmental awareness, conservation ethics, and responsible global citizenship.

B. A./ B. A. B. Ed. Part-III; Semester-VI (5.5): Total Credits-22**Paper Title - Regional Planning and Development Major – Theory Mandatory, Course****Code: BAU0325MMT422E10**

CO Code	Course Outcome	PO Code	Programme Outcome	Explanation / Purpose
CO 1	Understand the concept and types of regions and the need and objectives of planning. (Understand)	PO 1	Disciplinary Knowledge	Students gain conceptual and theoretical knowledge about regions, their types, and the importance of planning in geography.
CO 2	Explain the relationship between region and planning and types of planning. (Understand, Apply)	PO 2	Problem Solving	Learners relate spatial concepts of regions to different planning approaches, helping them interpret real-world developmental issues
CO 3	Analyse regional development and imbalances using indicators and approaches like Growth Pole Theory. (Analyse, Evaluate)	PO 3	Scientific Reasoning / Reflective Thinking	Students develop analytical and evaluative abilities to understand regional disparities and planning strategies for balanced development.
CO 4	Examine the role of government and policy interventions in regional planning and development. (Evaluate)	PO 4	Digital Literacy	Encourages awareness of governance, policy ethics, and equitable regional development for social justice.
CO 5	Evaluate regional planning practices in India and Maharashtra with special reference to Five-Year Plans and regional development programs. (Analyse, Evaluate)	PO 5	Moral and Ethical Awareness / Reasoning	Learners understand the evolution of regional planning in India and Maharashtra and assess policy effectiveness in reducing imbalances.
CO 6	Discuss contemporary regional issues such as urban–rural linkages, climate change, and resilience. (Analyse, Evaluate)	PO 6	Global Citizenship / Multicultural Competence / Environment & Sustainability	Learners become aware of global and local sustainability challenges and understand the importance of inclusive, resilient regional development.

Major XI: Geospatial Mapping and Land Survey Technologies As per NEP 2020 (2.0),
Course Code: BAU0325MMP422E11

CO Code	Course Outcome	PO Code	Programme Outcome	Explanation / Purpose
CO 1	Explain the principles and applications of surveying in geography and allied fields.	PO 1	Disciplinary Knowledge	This outcome develops a strong theoretical foundation in surveying concepts and their applications enhancing students' core disciplinary knowledge in Geography and related fields.
CO 2	Conduct basic field surveys using conventional surveying instruments and prepare accurate maps.	PO 2	Problem Solving	This outcome enables students to apply logical reasoning and practical skills to solve real-world field survey problems and transform observations into accurate maps.
CO 3	Perform instrument based surveys to measure elevations, slopes and angles and interpret the results.	PO 3	Scientific Reasoning / Reflective Thinking	his outcome strengthens scientific reasoning by encouraging systematic observation, measurement, interpretation, and reflective analysis of survey data collected using optical instruments.
CO 4	Interpret and utilize GPS, satellite imagery and modern survey data for spatial analysis.	PO 4	Digital Literacy	This outcome enhances digital literacy by enabling students to interpret and use GPS data, satellite imagery, and modern digital survey datasets through ICT-based spatial analysis tools.
CO 5	Integrate field survey data with GIS software to generate georeferenced spatial datasets.	PO 5	Integrate field survey data with GIS software to generate georeferenced spatial datasets.	This outcome develops advanced digital skills by training students in GIS-based data integration, georeferencing, and spatial database creation for accurate digital mapping.
CO 6	Prepare and interpret GIS-based thematic maps for planning, research and decision making.	PO 6	Prepare and interpret GIS-based thematic maps for planning, research and decision making.	This outcome promotes responsible global citizenship by applying GIS-based thematic mapping to planning, environmental management, and sustainable decision-making processes.

Major XII: Geography of Health and Nutrition As per NEP 2020 (2.0),**Course Code: BAU0325MMT422E12**

CO Code	Course Outcome	PO Code	Programme Outcome	Explanation / Purpose
CO 1	Understand the basic concepts of health and nutrition and their significance in human geography	PO 1	Disciplinary Knowledge	Builds foundational knowledge of health and nutrition concepts within geographical studies.
CO 2	Analyze spatial patterns of food consumption, nutrition, malnutrition, and deficiency diseases.	PO 2	Analytical and Spatial Thinking	Develops the ability to interpret regional variations and spatial disparities in nutrition and health.
CO 3	Evaluate the relationship between lifestyle changes, dietary patterns, and lifestyle-related diseases.	PO 3	Critical Thinking and Problem Solving	Encourages critical evaluation of contemporary health issues arising from socio economic and lifestyle transitions.
CO 4	Apply health indices and population assessment methods to evaluate health and nutritional status.	PO 4	Research and Methodological Skills	Enhances skills in applying health indicators, data interpretation and basic population health assessment.
CO 5	Assess food security, carrying capacity and the impact of climate change on sustainable nutrition	PO 5	Environmental Awareness and Sustainability	Promotes understanding of sustainability, climate change impacts, and responsible resource management.
CO 6	Critically examine public nutrition programmes and ethical issues in health and nutrition planning.	PO 6	Social Responsibility and Ethics	Sensitizes learners to policy frameworks, ethical concerns and social responsibility in public health planning

Major Elective II: Economic Geography As per NEP 2020 (2.0),**Course Code: BAU0325MET422E02**

CO Code	Course Outcome	PO Code	Programme Outcome	Explanation / Purpose
CO 1	Articulate the fundamental nature, scope, and evolving branches of Economic Geography, and classify economic activities (Primary to Quaternary) while explaining the factors and spatial patterns that govern their global and regional distribution.	PO 1	Disciplinary Knowledge	Demonstrate systematic knowledge and understanding of the core spatial principles that explain the distribution, organization, and integration of global and regional economic systems
CO 2	Apply core industrial location theories (Weber's Least Cost, Lösch's Zone of Profitability) to diagnose and propose solutions for real-world problems in industrial location, cluster formation, and the planning of economic corridors	PO 2	Problem Solving	Develop competency in applying geographical theories and spatial analysis to identify, model, and address practical challenges in economic landscape planning, industrial development, and regional growth.
CO 3	Critique geographical models and theories by scientifically analyzing the logic behind global industrial patterns, trade flows, and transport networks, and reflect on the causes and consequences of regional specialization and economic interdependence.	PO 3	Scientific Reasoning / Reflective Thinking	Cultivate a structured, evidence-based approach to deconstructing complex spatial-economic phenomena, fostering critical reflection on theoretical assumptions and their real-world validity
CO 4	Utilize digital tools and geospatial resources to source, analyze, and visually represent data related to spatial patterns of economic activities, industrial regions, and transport networks for enhanced geographical inquiry.	PO 4	Digital Literacy	Acquire and apply skills in using contemporary digital and geospatial technologies for data collection, analysis, and cartographic presentation specific to economic and infrastructural Geography.
CO 5	Evaluate the ethical implications and socio-economic equity of economic processes, including regional	PO 5	Moral and Ethical Awareness / Reasoning	Develop a reasoned ethical perspective on issues of development, resource allocation, and trade justice,

	specialization, resource exploitation, and the benefits and disparities created by global trade blocks and economic integration.			recognizing the geographer's role in promoting equitable and responsible economic practices.
CO 6	Synthesize geographical knowledge to propose balanced regional development strategies that consider economic efficiency, social equity, and environmental sustainability.	PO 6	Global Citizenship / Multicultural Competence / Environment & Sustainability	Understand global economic interdependence, respect cultural diversity in economic systems, and evaluate development through sustainability lenses.

Minor IV: Human Geography of India As per NEP 2020 (2.0),
Course Code : BAU0325MNT422E04

CO Code	Course Outcome	PO Code	Programme Outcome	Explanation / Purpose
CO 1	Analysis the historical and ethnic evolution of Indian society by mapping the racial composition and spatial distribution of the tribal groups.	PO 1	Demonstrate the ability to apply multidisciplinary framework to interpret the demographic complexities	Disciplinary knowledge with critical thinking and social analysis of related areas.
CO 2	Evaluate the formation of cultural regions in India and to understand its diversity.	PO 2	Develop the analytical competence to assess regional variation and social stratification	Disciplinary knowledge with critical thinking and social analysis of related areas.
CO 3	Analyse the demographic dynamics in India to identify demographic trend and the strategic implication to help human resource development.	PO 3	Using detailed population statistics and policy analysis to contest for social improvement that ensure fair opportunities for everyone	Apply quantitative reasoning to spatial analysis for sustainable development systematically.
CO 4	Apply geographical and scientific knowledge to distinguish the agriculture Characteristics, challenges,	PO 4	Apply critical problem solving and technical integration to	Apply critical problem solving and technical integration to related areas situation.

	land reforms and green revolution in India.		related areas situation.	
CO 5	analyse the conceptual framework spatial distribution, economic performance, and socio environmental implications of Special Economic Zones (SEZs) in India,	PO 5	analyse the conceptual framework spatial distribution, economic performance, and socio environmental implications of Special Economic Zones (SEZs) in India,	apply and interpret the locational patterns of SEZs across major industrial states using geographical tools and statistical techniques, and evaluate their contribution toward sustainable regional development.
CO 6	Analysis industrial region and SEZ, to assess the operational challenges of Indian industries with a specific focus on the sugar industry and the development of legacy rural industrial clusters.	PO 6	Demonstrate the ability to apply geographical and economic principles to solve spatial industrial challenges and critically evaluate policies to advocate for sustainable industrial growth	Demonstrate the ability to apply geographical and economic principles to solve spatial industrial challenges and critically evaluate policies to advocate for sustainable industrial growth

Bachelor of Science (B. Sc. in Geography)
B. Sc. Part-I (Semester – I and II)

• **DSC-I: Physical Geography-I**

Name of the Programme: B. Sc. (GEOGRAPHY)

Class: B. Sc. I Semester: I

Name of Vertical Group: DSC-I (V-1)

Course Outcomes:

1. The students will possess a comprehensive understanding of Physical Geography, branches and fundamental laws.
2. They will demonstrate proficiency in analysing rocks weathering, interpreting endo/exogenetic Earth movements, and of Wind and Precipitation
3. Applying theoretical knowledge to real-world scenarios, emphasizing disaster management, urban planning and transportation.

• **DSC-II: Physical Geography-II (Geography)**

Name of the Programme: B. Sc. (GEOGRAPHY)

Class : B. Sc. I Semester : I

Name of Vertical Group : DSC-II (V-1)

Course Outcomes:

1. of the properties of the atmosphere and its components in detail.
2. about the concepts of temperature and atmospheric pressure.
3. of the forms of precipitation and rainfall.
4. of monsoon and climate change.

• **DSC Practical-I: Representation of Geo Data-I**

Name of the Programme : B. Sc. (GEOGRAPHY)

Class : B. Sc. I

Semester : I

Name of Vertical Group : DSC P-I (V-2)

Course Title : Practical- I: Representation of Geo Data

Total Credit : 02

Course Outcomes:

1. The students will be able to represent geomorphological data of relief features.
2. The students will be able to represent geomorphological data of slope.
3. The students will be get information of climatic instruments with its principles, structure, function and use.
4. The students will be able with different methods of climatic data presentation.

• **DSC-III: Human Geography-III (Geography)**

Name of the Programme: B. Sc. (GEOGRAPHY)

Class: B. Sc. I Semester: II

Name of Vertical Group: DSC-III (V-1)

Course Title : Human Geography-III

Course Outcomes:

1. The students will be familiar with the basics of Human Geography as a branch of Geography.
2. The students will have the knowledge of man-environment relationship and the human races with racial groups.
3. The students will be simply assessing the factors affecting on distribution of population.
4. The students will be aware with the Malthus's theory of population growth and selected components of population.

• **DSC-IV: Human Geography-IV**

Name of the Programme: B. Sc. (GEOGRAPHY)

Class : B. Sc. I

Semester : II

Name of Vertical Group :DSC-IV (V-1)

Course Outcomes:

1. The students will be get knowledge of economic activities and their importance.
2. The students will be familiar with mode of transport and discover the different types of jobs we have today.
3. The students will have detail information of the basics of Human Development Index (HDI)
4. The students will be aware with the theories related to the agricultural land use and location of industries.

• **DSC Practical -II: Representation of Geo Data-II (Geography)**

Name of the Programme : B. Sc. (GEOGRAPHY)

Class : B. Sc. I

Semester : II

Name of Vertical Group : DSC P-II (V-1)

Course Title : Practical- II: Representation of Geo Data-II

Total Credit : 02

Course Outcomes:

1. The students will know the concept of pictorial maps and its practical applications.
2. The students will be getting practical knowledge regarding real presentation of spatial unit of earth surface.
3. The students will be applying their knowledge of the quantitative techniques related to settlements.
4. The students will be prepared with contemporary modern tool and techniques (Google Earth) for different basic conditions of settlements.