

Course Outcomes, Programme Outcomes and Programme Specific Outcomes for UG Programmes

Programme Name: Three Years B.A in Geography (CBCS)



Department of Geography

Rajganj College

Rajganj, Jalpaiguri

735134

Rajganj College
Department of Geography
Programme Course

COURSE OUTCOMES

COURSE CODE: GEOP-DSCL-104
(PHYSICAL GEOGRAPHY)

After completion, the learning outcomes of this particular paper are the followings:

- i. Students will have an overview of structure and composition of interior of earth and also understand about term seismology.
- ii. Will be able to explain the concepts and theories of Continental Drift and Plate Tectonics.
- iii. Acquire knowledge about the concept, different types of folds and faults and associated surface expression.
- iv. Gain knowledge about various types and different evolution processes of fluvial, coastal, aeolian and glacial landforms and their important associated landforms.
- v. Understand and draw the different types of Scale Map Projection.

COURSE CODE: GEOP-DSCL-204
(HUMAN GEOGRAPHY)

The following learning outcomes of this paper are:

- i. Acquire knowledge about the scope and content of Human Geography.
- ii. This paper tries to make an idea about the various Cultural Regions in India.
- iii. Students will acquire knowledge about Growth and spatial distribution of population in India.
- iv. Gain knowledge of Population-Resource Regions proposed by (Ackerman).

- v. Develop an idea about different types of Diagrammatic Data Presentation and Thematic Mapping Techniques.

COURSECODE: GEOP-DSCL-306
(REGIONAL DEVELOPMENT)

After completion, the learning outcomes of this particular paper are the followings:

- i. Understand the concept about different regions and regional planning.
- ii. Acquire knowledge of various types regional Imbalances and problems of functional regions.
- iii. Gain an idea about Strategies and Models for Regional planning specially Growth Pole Model of Perroux.
- iv. To identify the various Problem of Regions and Regional Planning in India.
- v. Acquire the skill to study and interpretation of Topographical map.
- vi. Ability to draw and interpret the Geological map.

COURSE CODE: GEOP-DSCL-406
(SPATIAL INFORMATION TECHNOLOGY)

The following learning outcomes of this paper are:

- i. Know the concept and historical development of spatial Information Technology (SIT).
- ii. Acquire knowledge about Spatial Information/Data: Web data sources; registration and projection; data structures; data interpolation.
- iii. Gain an idea about functions of Spatial information system: Information retrieval; Topological modelling; networks; overlay; data output.
- iv. Know the different application of Spatial Information Technology.
- v. Ability to Identify of broad physical and cultural features from aerial photographs using pocket stereoscope.
- vi. Develop a skill to calculate, draw and application of different Statistical techniques: Measures of central tendency and measures of dispersion (absolute and relative measures).

➤ **DISCIPLINE SPECIFIC ELECTIVE:**

***COURSECODE: GEOP-DE1L-505
(DISASTER MANAGEMENT)***

The following learning outcomes of this paper are:

- i. Understand the concept of hazards and disasters; types of risk and vulnerability.
- ii. Assessing the causes, impact, distribution and mapping of major natural and man-made (Flood, Drought, Tsunami, Cyclone, Earthquake & Landslide) disasters in India.
- iii. Acquire knowledge the response and mitigation to disasters in India.
- iv. Learn about the various management steps taken by NDMA, NIDM and indigenous Knowledge and Community-Based Disaster Management.
- v. Develop a skill to prepare the disasters related Project report.

***COURSECODE: GEOP-DE1L-505
SUSTAINABLE DEVELOPMENT***

The following learning outcomes of this paper are:

- i. Gain knowledge about the concept, components, limitations and historical background of Sustainable Development.
- ii. Develop an idea about the Millennium Development Goals.
- iii. Learn about the details in various Inclusive Developments (Education, Health, Poverty and Disease).
- iv. Acquire knowledge about different policies and global cooperation for climate change.
- v. Understand the concept of Sustainable Development policies and different programmes and know about National Environmental Policy, CDM.
- vi. Develop a skill to prepare the Health issues and Education status related any local village based Project report.

***COURSE CODE: GEOP-DE2L-605
(CLIMATE CHANGE: VULNERABILITY AND ADAPTATION)***

After completion, the students would develop the following knowledge:

- i. Understand the concept of climate change, greenhouse effect and global warming and IPCC.

- ii. Learn about the details of nature and types vulnerability.
- iii. Know the Impacts of climate change on Agriculture, water, flora, fauna and human health.
- iv. Learn adaptation and mitigation to climate change with particular reference to India.
- v. Develop a skill to prepare the Project report based on impact and adaptation to climate change at the local level.

***COURSE CODE: GEOP-DE2L-605
(RURAL DEVELOPMENT)***

After completion, the students would develop the following knowledge:

- i. Know the various needs for Rural Development and Gandhian Approach of Rural Development.
- ii. Acquire knowledge about Panchayat Raj System, Agriculture and Allied Sectors, Co-operatives and PURA.
- iii. Understand the concept of Flood Prone Area Programmes and PMGSY.
- iv. Gain knowledge of various target Group Approach to Rural Development (SGSY, MNREGA, Jan Dhan Yojana and Rural Connectivity; Role of Self Help Groups).
- v. Develop a skill to prepare the Project report based on socio-economic status at the Village Level and Mouza Level.

➤ ***SKILL ENHANCEMENT COURSE (SEC):***

***COURSE CODE: GEOP-SECT-307
(REMOTE SENSING)***

Under this Skill Enhancement Course, the outcomes are the followings:

- i. Understanding the concept and development of remote sensing, different platforms and types of remote sensing and the term Photogrammetry.
- ii. Acquire details knowledge about Principles of Remote Sensing Satellite, EMR Interaction with atmosphere and earth surface; satellites (Land sat and IRS); sensors.
- iii. Ability to analysis of Visual Satellite Image Interpretation.
- iv. Know the different application of Remote Sensing in Land use/Land cover mapping.

COURSE CODE: GEOP-SECT-307
(RURAL DEVELOPMENT)

Under this Skill Enhancement Course, the outcomes are the followings:

- i. Know the Concept, basic elements and measures of level of rural development.
- ii. Ability to identify the various paradigms of rural development, Specially Gandhian approach to rural development and Lewis model of economic development.
- iii. Acquire details knowledge of major Rural Development Programmes in India, Specially PMGSY, SGSY, MNREGA, Jan Dhan Yojana and NABARD.
- iv. Understand the concept of rural governance: importance of Panchayati Raj Scheme and rural development policies in India.

COURSE CODE: GEOP-SECL-607
(GEOGRAPHICAL INFORMATION SYSTEM)

Under this Skill Enhancement Course, the outcomes are the followings:

- i. Know the Concept and Components of Geographical Information System (GIS).
- ii. Understanding the concept, Principles and uses Global Positioning System (GPS).
- iii. Ability to identify GIS Data Structures and GIS Data Analysis.
- iv. Know the different application of GIS: Land use mapping; urban sprawl analysis; forests monitoring.

COURSE CODE: GEOP-SECL-607
(TOURISM MANAGEMENT)

Under this Skill Enhancement Course, the outcomes are the followings:

- i. Know the Concepts of Tourism and geographical elements of tourism by Robinson and Peter's Inventory.
- ii. Understanding the various types of tourism.
- iii. Acquire knowledge about recent trends of tourism: International and domestic; Case studies of Himalayas with special reference to North Bengal and coastal areas with special reference to South Bengal
- iv. Gain in-depth knowledge of National Tourism Policy of India, 2007.

➤ **GENERIC ELECTIVE:**

***COURSE CODE: GEOP-GE1L-506 or GEOH-GE1L-103
(PHYSICAL GEOGRAPHY)***

After completion this Generic Elective paper, the learning outcomes are the followings:

- i. Students will have an overview of origin and evolution of the earth (Nebular Hypothesis and Big Bang Theory); Interior structure of the earth.
- ii. Will be able to explain the concepts and theories of Wegener's Continental Drift theory and Plate Tectonic theory.
- iii. Know in-depth major types of rocks and their characteristics.
- iv. Understand the different types and processes Weathering and mass wasting.
- v. Acquire knowledge of erosional and depositional features produced by river, glacier and wind.
- vi. Understand and draw the different types of Scale Map Projection.

***COURSE CODE: GEOP-GE2L-606 or GEOH-GE2L-203
(GEOGRAPHY OF INDIA)***

After completion this Generic Elective paper, the learning outcomes are the followings:

- i. Gain knowledge on Physiography, climate, natural vegetation and soil of India.
- ii. Understand the concept of Intensive farming (rice) and plantation farming (tea and rubber).
- iii. Know the different factors of industrial location, classification of industries, distribution of Iron and Steel industry and Cotton Textile industry of India.
- iv. Students will have an overview of growth and spatial distribution of population; characteristics of the population (race, language, religion and caste).
- v. Ability to draw and interpret the Geological map.
- vi. Acquire the skill to study and interpretation of Topographical map.

PROGRAM OUTCOMES

- To understand the basic concepts in geography.
- Develop of knowledge, skills and holistic understanding of the discipline among students.
- Develop the ability to critically assess and interpret geographic information, theories, and research findings.
- Gain proficiency in conducting independent research, including data collection, analysis, and interpretation within the context of geographical issues.
- Effectively communicate geographical concepts, findings, and arguments through written and oral presentations.
- Develop an appreciation for cultural diversity and environmental sustainability, understanding the impact of human activities on the environment.
- Ability to understand and analyze the different maps/sheets/Images to look at the various aspects on the earth.
- Develop critical knowledge and skills among the students to identify the problems and validate the solutions.
- Students become mentally prepared with the ability to respond to various disasters and hazards and acquire management skills.
- Gain an understanding of global issues and the ability to analyze how geographical factors contribute to global challenges.
- Develop the ability to critically assess and interpret geographic information, theories, and research findings.
- Understand the interconnectedness of geography with other disciplines, fostering a holistic approach to problem-solving. The curriculum encompasses the study and analyses of concepts of sub-disciplines and related disciplines such as Environmental Studies, Disaster Management, Geology, Tourism Management, Sustainable Development, Resource management and conservation, Regional Planning and Development Studies etc.
- Adhere to ethical standards in geographical research and practice, recognizing the responsibility of geographers in societal and environmental issues.

PROGRAMME SPECIFIC OUTCOMES

PSO-I. Explore the relationship between geography and culture, society, and human behavior, understanding how these factors shape and are shaped by spatial patterns.

PSO-II. Understand the principles of climate change and develop skills in assessing its impacts, as well as proposing and implementing adaptation strategies.

PSO-III. Acquire knowledge and skills related to natural and human-induced disasters, including risk assessment, mitigation strategies, and disaster response planning.

PSO-IV. Understand the spatial distribution of natural hazards, assess risks, and formulate strategies for effective hazard management and response.

PSO-V. Collaborate with professionals from other disciplines to address complex geographical issues, fostering interdisciplinary perspectives.

PSO-VI. Develop fieldwork and practical skills through hands-on experiences, including field surveys, data collection, and analysis.

PSO-VII. Acquire skills in sustainable resource management, including water resources, forestry, and land use planning.

PSO-VIII. Understand the geographical aspects of tourism and recreation, including destination planning and sustainable tourism practices.

PSO-IX. Gain practical experience in applying GIS for solving real-world problems, such as urban planning, transportation, and environmental management.

PSO-X. Explore advanced applications of remote sensing technologies in environmental monitoring, agriculture, and natural resource management.

PSO-XI. Develop advanced communication skills to present research findings, data analyses, and geographical concepts both orally and in writing.