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DEPARTMENT OF GEOGRAPHY

Khujutipara, Birbhum

COURSE OUTCOME

(of **Geography Papers** in CCFUP as per NEP, 2020 with effect from 2023-24)

Session: 2025 - 2026

Sl. No.	Sem.	Paper Code	Paper Name	Course Outcome	
				Learning Outcome	Professional Skill Developmental Outcome
1	I	MAJOR GEOG 1011 & MINOR GEOG 1021	GEOTECTONICS AND GEOMORPHOLOGY	Students shall gather ideas about structure of the Earth and the causes for the different tectonic activities over the Earth. They also get opportunity to learn about different exogenic processes and resultant landforms.	This knowledge will help to provide a foundation for the further studies in Physical Geography or Earth Sciences.
2	I	GEOG 1051	COMPUTER BASICS AND COMPUTER APPLICATIONS (Practical)	Students shall know about fundamentals of computer applications. They can develop an idea about computer basics and acquire skill to solve the statistics. They will be able to identify correlations of different variables and can establish solution of research problems through statistical procedure with the help of computer application.	Students can apply it to solve the geographical problems through statistical methods. From this course students can learn the significance of computer applications in geographical studies.
3	I	MDC GEOG 1031	PHYSICAL GEOGRAPHY	Students can apply the knowledge of the principles of Physical Geography in explaining the causes and consequences of natural hazards and suggest ways of coping with them through sustainable development. They will understand and analyze physical environments and utilize such knowledge in reflecting on issues on nature.	The acquired knowledge is beneficial to providing for future studies in geography. This obtained knowledge will provide basic inputs in skill development which will place the students in their professional life in the near future.

4	II	MAJOR GEOG 2011 & MINOR GEOG 2021	POPULATION AND SETTLEMENT GEOGRAPHY	Students shall gather ideas about the dynamics of population and its different measures and about the different types & patterns of settlement. The course will help them to gather ideas about fundamental concepts in Urban Geography.	This knowledge will help to provide a foundation for the further studies in Population studies or in Urban Geography.
5	II	SEC GEOG 2051	FIELD TECHNIQUES	Students shall know about different types of field techniques. They can develop an idea about research problems and acquire observation power through field experience in future they will be able to identify the socio environmental problems of a locality. They will be capable to develop communication skill and interaction power.	Students can develop the basic concept of field technique to students so that they can apply it to solve the geographical problems in the field. From this course students can learn the significance of field techniques in geographical studies, understand the meaning of field and identifying the case study.
6		MDC GEOG 2031	HUMAN GEOGRAPHY	Students achieve knowledge about major themes of human geography. They can develop an idea about space and society and build an idea about population growth and distribution of population. This module helps to recognize about population – resource relationship. They will understand and analyze the inter-relationship between physical and human environments and utilize such knowledge in reflecting on issues related to society.	The acquired knowledge is beneficial to providing for future studies in Geography. This obtained knowledge will provide basic inputs in skill development which will place the students in their professional life in the near future.
7	III	MAJOR GEOG 3011	GEOGRAPHY OF INDIA	To gain enough knowledge about the Physiography, Economy and Demography of India. The course on Geography of India equips students with a comprehensive understanding of the	Several skills and knowledge will develop among the students after studying about their nation which will help them to become an expert and professional planner for the betterment of the nation. It

				physical, cultural, and socio-economic aspects of India. It develops analytical skills to interpret regional diversity, spatial patterns, and developmental issues within the Indian context. Students enhance their ability to critically assess geographical data, fostering competencies in regional planning, resource management, and policy evaluation relevant to India's unique landscape.	will also help them for preparation of different competitive examinations.
8	III	MAJOR GEOG 3012	CARTOGRAPHY AND SURVEYING (PR)	It focuses on the technical skills required for accurate map-making and terrain measurement. Students gain proficiency in traditional and modern surveying techniques, map compilation, and the use of instruments for spatial data collection.	The course hones spatial visualization, precision measurement, and data interpretation skills essential for practical applications.
9	III	MDC GEOG 3031	ENVIRONMENTAL GEOGRAPHY	It introduces students to the interactions between human activities and natural environments. It cultivates skills in environmental assessment, sustainable resource management, and ecological analysis.	Learners develop competencies in identifying environmental challenges, applying geographic tools for environmental monitoring, and proposing mitigation strategies, thereby preparing them for roles in environmental consultancy and policy formulation.
10	III	SEC GEOG 3051	BASICS OF RS&GIS (PR)	Remote Sensing & GIS develops expertise in acquiring, analyzing, and interpreting spatial data through satellite imagery and geographic information systems.	The course enhances technical skills in digital image processing, spatial analysis, and geospatial modeling. Students become adept at integrating diverse datasets for applications in land use planning, disaster management, and natural resource monitoring, positioning them for careers

					in geospatial technology and research.
11	IV	MAJOR GEOG 4011	CLIMATOLOGY	It provides an understanding of atmospheric processes and climate systems. It fosters analytical abilities to evaluate climatic data, interpret weather patterns, and assess climate change impacts.	Students develop skills in using climatological models and datasets to inform agricultural planning, disaster preparedness, and environmental policy, equipping them with tools for research and applied climatology sectors.
12	IV	MAJOR GEOG 4012	ECONOMIC GEOGRAPHY	examines the spatial aspects of economic activities and development. The course sharpens skills in analyzing the distribution of industries, resources, and trade patterns.	Students learn to assess regional economic disparities, urbanization trends, and globalization effects, enhancing their capacity for economic planning, regional development strategies, and policy analysis.
13	IV	MAJOR GEOG 4013	MAP PROJECTION AND MAP ANALYSIS (PR)	It focuses on the mathematical and conceptual foundations of representing the earth's surface. It develops skills in understanding distortions, selecting appropriate projections, and critically analyzing map accuracy and usability.	Students gain proficiency in evaluating cartographic techniques, which is vital for precise spatial representation in academic research, navigation, and GIS applications.
14	IV	MINOR GEOG 4021	FUNDAMENTALS OF CLIMATOLOGY AND BIOGEOGRAPHY	It provides an understanding of atmospheric processes and climate systems. Biogeography focuses on the study of soil formation, classification, and its interaction with biological systems.	Students acquire skills in climatic concepts, soil analysis, ecosystem assessment, and understanding biogeographical patterns.
15	V	GEOG 5011	GEOGRAPHICAL THOUGHT	Geographical Thought introduces students to the evolution of geographic ideas and theories, emphasizing critical analysis of various paradigms and schools of thought. This course fosters	It develops skills in conceptual reasoning, historical contextualization, and theoretical application, enabling learners to critically evaluate geographic knowledge and

				intellectual rigor necessary for advanced research and academic discourse in geography.	contribute to scholarly debates.
16	V	GEOG 5012	SOIL & BIOGEOGRAPHY	Soil & Biogeography focuses on the study of soil formation, classification, and its interaction with biological systems. The course enhances competencies in field sampling, laboratory techniques, and interpreting soil-vegetation relationships, preparing students for careers in environmental management, agriculture, and conservation.	Students acquire skills in soil analysis, ecosystem assessment, and understanding biogeographical patterns. The course enhances field sampling, laboratory techniques, and interpreting soil-vegetation relationships.
17	V	GEOG 5013	QUANTITATIVE TECHNIQUES IN GEOGRAPHY (PR)	The course equips students with methodological skills for data collection, statistical analysis, and spatial data interpretation. These skills are essential for empirical research, spatial modeling, and evidence-based decision-making in geography.	Through hands-on practice, learners develop proficiency in using quantitative tools, software applications, and graphical representation of geographic data.
18	VI	MAJOR GEOG 6011	GEOGRAPHY OF DEVELOPMENT	Geography of Development examines spatial dimensions of economic and social development processes. It cultivates analytical abilities to assess development indicators, regional disparities, and policy impacts.	Students develop competencies in evaluating development strategies, planning interventions, and understanding global-local development linkages, which are crucial for roles in planning, governance, and development agencies.
19	VI	MAJOR GEOG 6012	SOCIAL AND CULTURAL GEOGRAPHY	The course explores the relationships between society, culture, and space. It sharpens skills in qualitative research, cultural analysis, and understanding social dynamics within geographic contexts.	Students gain the ability to critically analyze identity, place, and power structures, equipping them for work in community development, social policy, and cultural resource management.

20	VI	MAJOR GEOG 6013	REMOTE SENSING & GIS (PR)	Remote Sensing & GIS develops expertise in acquiring and analyzing spatial data through satellite imagery and geographic information systems. Students enhance technical skills in image processing, spatial analysis, and geospatial data integration.	The course prepares learners for applications in environmental monitoring, urban planning, and disaster management, supporting careers in geospatial technology and research.
21	VI	MAJOR GEOG 6014	FIELD REPORT (PR)	Students learn to design fieldwork, employ survey techniques, and synthesize findings into coherent reports. This course strengthens competencies in empirical research, critical thinking, and scientific communication, essential for professional practice and academic research in geography.	This paper emphasizes practical skills in field data collection, observation, and geographic documentation.
	Syllabus of Sem-VII & VIII are not yet published.				