

<b>COURSE OUTCOME, SUBJECT: GEOGRAPHY (2018- 2023)</b>		
<b>(CBCS Syllabus for Undergraduate Course In Geography)</b>		
<b>Semester</b>	<b>Paper</b>	<b>Course Outcome</b>
<b>Semester 1 Course Details and Outcome</b>		
<b>Semester 1- Honours (Core Course)</b>	<b>Geotectonic and Geomorphology</b>	<p>This course will develop skills in questioning, reasoning, and drawing logical conclusions based on evidence and scientific principles of various theories and concepts related to geotectonic and various process of geomorphology.</p> <p>It develops skills in constructing linear, Vernier, diagonal and comparative scale.</p> <p>Students get expertise in the mathematical/graphical construction and properties of map projections competency</p> <p>They will also have detailed understanding on thematic map preparation from toposheet interpretation as well as learn to identify various rocks and minerals of the mother Earth.</p>
<b>Semester 1- Generic Elective</b>	<b>Physical Geography</b>	<p>Students develop critical thinking skills by analysing and evaluating complex geotectonic and geomorphic processes. Students develop an understanding of the earth's natural systems and the impact of human activities on the environment. They will also identify various geomorphic agents in fluvial, coastal, aeolian and glacial landforms.</p> <p>Students will develop competency in constructing diagonal and vernier scales and equip with practical skills in map reading, interpretation, and cartographic analysis.</p> <p>Students will get expertise in the mathematical/graphical construction and properties of map projections competency</p>
<b>Semester 1- Programme Course (DSC)</b>	<b>Physical Geography</b>	<p>The theoretical part of the course will give detail grasp on the concepts of internal structure of the earth, continental drift theory, fold, fault and various geological processes, while the practical part will strengthen the base of construction of linear and comparative scale and map projection.</p>
<b>Semester 2 Course Details and Outcome</b>		
<b>Semester 2- Honours (Core Course)</b>	<b>Human Geography and Settlement Geography</b>	<p>Students will have detailed conceptual understanding on scope and content of human geography, world race, language, religion and caste, population-resource region as well as they can identify the apt population policy to be implemented for differently populated country in the world.</p> <p>Students analyse the suitability of different locations for settlements and understanding the factors that contribute to their success or</p>

		<p>decline. They understand the morphological patterns will enable students to identify and analyse the characteristics of different settlement, various theories of morphology of urban settlement and have a detail understanding of origin and growth of rural and urban settlements throughout the world.</p> <p>In practical part students get expertise in graphical representation of various isomaps, preparation of choropleths and learn various diagrammatic representation to represent rural/urban population through dots and sphere, pie diagrams etc. The students get detail knowledge on geological mapping techniques, on surveying, levelling etc.</p>
<b>Semester 2- Generic Elective</b>	<b>Geography of India</b>	<p>It develops a comprehensive understanding of India in terms of physiography, climate, natural vegetation, soil, various types of farming practices, Indian industrial development and population distribution.</p> <p>In practical part students develop an understanding to prepare the geological map and topographical map interpretation and preparing thematic maps.</p>
<b>Semester 2- Programme Course (DSC)</b>	<b>Human Geography</b>	<p>This course enables students to have conceptual understanding on scope and content of human geography, world race, language, religion and caste, population-resource region. In practical part students will learn the Diagrammatic Data Presentation from raw data given through Line, Simple Bar and Proportional Divided Circles etc. and also learn the concept of Thematic Mapping Techniques</p>
<b>Semester 3 Course Details and Outcome</b>		
<b>Semester 3- Honours (Core Course)</b>	<b>Climatology</b>	<p>Students develop an understanding of the earth's atmospheric systems and the impact of human activities on the atmosphere. It is equipped with the knowledge and skills necessary to contribute to the development of knowledge on atmospheric composition and structure; insolation and temperature, atmospheric pressure and winds, evaporation, humidity, condensation, precipitation etc. Students will learn to handle Meteorological instruments, and also have minute knowledge base to Interpret Indian daily weather report</p>
	<b>Statistical Methods in Geography</b>	<p>It enhances critical thinking abilities of the students by examining raw data and converting them to tabulated form to do various types of sampling, learn the descriptive statistics and understand the analysis of correlation and regression, association of variables etc. This gives them the understanding of statistical methods and its application theoretically and practically.</p>
	<b>Geography of India</b>	<p>It develops a comprehensive understanding of India in terms of physiography, climate, natural vegetation, economic resource, social resource and agro-climatic division of India. Students will</p>

		be proficient in preparing ombrothermic graphs and graphical representation of measures of Inequality
<b>Semester 3- Honours and Programme-Skill Enhancement Course - SEC</b>	<b>Remote Sensing</b>	This course will develop skills and enable students understanding on the concept of remote sensing , its platforms, resolution, sensor, techniques and keys of satellite image interpretation and finally the application of Remote Sensing in Land use/Land cover mapping.
<b>Semester 3- Generic Elective</b>	<b>Physical Geography</b>	Students will develop competency in understanding various geotectonic and geomorphological processes including Interior structure of the earth; Wegener’s Continental Drift theory and Plate Tectonic theory, rocks, Weathering and mass wasting as well as erosional and depositional features developed by various agents. Students get expertise in the mathematical/graphical construction of scales and map projections competency
<b>Semester 3- Programme Course (DSC)</b>	<b>Regional Development</b>	This course is an impetus for developing the knowledge in regional planning, identification of various formal, functional, planning regions of India, will learn the models for Regional Planning, problem region identification and Special Area Development Plans in India. They will also have detailed understanding on thematic map preparation from toposheet interpretation and Geological map preparation.
<b>Semester 4 Course Details and Outcome</b>		
<b>Semester 4- Honours (Core Course)</b>	<b>Economic Geography</b>	The course seeks to generate continuous interest of the learners to gain knowledge on India’s economic activity, various agricultural and industrial theory, identifying India’s Primary, secondary and tertiary activities with detailed Transport network analysis like connectivity and accessibility measurements along with graphical representation of occupational structure and work participation.
	<b>Regional Planning and Development</b>	This course develops a comprehensive understanding in regional planning, identification of various formal, functional, planning regions of India, will learn the models for Regional Planning, regional imbalances, delineation techniques of regionalisation, Indicators of regional development in India. Also this helps in Measuring inequality in terms of development.
	<b>Field Work and Research Methodology</b>	This course devotes to build up the intellect of students on research practice through field work as well as theoretically. The students will learn the role of Field work in geographical studies, various field work techniques, Preparation of questionnaire schedule on rural/urban and physical/cultural aspects. The research design and hypothesis testing will be learnt. The project report based on Field work is a comprehensive representation of the students through field validation.

<b>Semester 4-</b> Honours and Programme- Skill Enhancement Course – SEC	<b>Geographic Information System (GIS)</b>	The course seeks to enable continuous contemporary knowledge base on GIS principles, components, GIS data structure, data analysis and application of GIS in modern field.
<b>Semester 4-</b> Generic Elective	<b>Geography of India</b>	It develops a wholesome understanding of India in terms of physiography, climate, natural vegetation, soil, various types of farming practices, Indian industrial development and population distribution.  In practical part students develop an understanding to prepare the geological map and topographical map interpretation and preparing thematic maps.
<b>Semester 4-</b> Programme Course (DSC)	<b>Spatial Information Technology</b>	This course is developing skills in spatial information technology, development, web data sources, Topological modelling; networks; overlay etc. In practical part Students will also learn Identification of broad physical and cultural features from aerial photographs Statistical techniques and measures of central tendency and measures of dispersion

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**Prepared and submitted by: Dr. Pinki Mandal**