

## Course Outcome for Undergraduate Programme in Geography

Post-Graduate Department of Geography

Krishnagar Govt. College

Three-year GEOGRAPHY UG (B.A and B Sc) Course

Choice-Based Credit System

(Semester System with Credit and course)

### COURSE OUTCOME

#### SEMESTER I

Course Code	Course Title	Credit	Course outcome
GEO/H/CC/T/-01	Geotectonics and Geomorphology	6	<ul style="list-style-type: none"><li>○ Gain knowledge about the earth's interior.</li><li>○ Understand the tectonic and structural evolution of the Earth</li><li>○ Develop an idea about the concept of plate tectonics and resultant landforms.</li><li>○ Acquire knowledge about types of folds and faults, earthquakes, volcanoes, and associated landforms.</li><li>○ Will be able to recognize different types of landforms over the surface of the earth.</li><li>○ Avail the concept of agents of erosion, deposition, and the resulting landscapes created thereof.</li></ul>
GEO/H/CC/T/02	Cartographic Techniques and Geological Map Study	4	<ul style="list-style-type: none"><li>○ Develop the concept of maps and scales</li><li>○ Understand the need for projection in the geographical study and its classification</li><li>○ Will be able to use cartograms for the representation of data.</li><li>○ Get the information of Survey of India topographical maps reference Scheme of old and Open series maps</li><li>○ Will know Coordinate Systems: Polar and rectangular and different types of map projection</li></ul>
GEO/H/CC/P/02	Cartographic Techniques and Geological Map Study	2	<ul style="list-style-type: none"><li>○ Acquire the skill of drawing different types of scales</li><li>○ Recognize basic themes of map-making.</li><li>○ Will have the skill to draw different types of map projections</li><li>○ Developed the power of observation skills, drawing different features from topographical maps and learning their interpretation.</li><li>○ Learn to draw geological maps of different structures.</li><li>○ Learn to draw of geological Section and interpret the map</li></ul>

## SEMESTER II

Course Code	Course Title	Credit	Course outcome
GEO/H/CC/T/03	Human Geography	6	<ul style="list-style-type: none"> <li>○ Will know the contemporary relevance of human geography</li> <li>○ and human adaptation to different environments.</li> <li>○ Develop knowledge of the different types of settlements both rural and urban</li> <li>○ Will have the skill to know about the difference between country-level religious and cultural composition</li> <li>○ Acquire knowledge of demographic character at the Global level</li> <li>○ Able to comprehend types of age sex pyramids of different regions.</li> <li>○ Understand Population and environmental relations with special reference to development-environmental conflict</li> </ul>
GEO/H/CC/T/04	Cartograms, Survey, and Thematic Mapping	4	<ul style="list-style-type: none"> <li>○ Learn to prepare and interpret socio-economic maps based on various data</li> <li>○ Develop an idea about different types of thematic mapping techniques</li> <li>○ Learn the usage of survey instruments</li> </ul>
GEO/H/CC/P/04	Cartograms, Survey and Thematic Mapping	2	<ul style="list-style-type: none"> <li>○ Able to draw different cartograms.</li> <li>○ Will learn about the skill of learning and using different survey instruments like a prismatic compass, theodolite, and a dumpy level, abney levels, and clinometer.</li> <li>○ Will be able to draw a plan using the prismatic compass.</li> <li>○ Will be able to find height by using a theodolite</li> <li>○ Can draw maps based on various theme</li> </ul>

## SEMESTER III

Course Code	Course Title	Credit	Course outcome
Geo/H/Cc/T/05	Climatology	6	<ul style="list-style-type: none"> <li>○ will know about the nature, composition, and layering of the atmosphere.</li> <li>○ Will comprehend temperature horizontal and vertical distribution.</li> <li>○ Will understand an overview of the climate change phenomenon</li> <li>○ Learn the interaction between the atmosphere and the earth's surface.</li> <li>○ Understand the importance of the atmospheric</li> </ul>

			<p>pressure and winds.</p> <ul style="list-style-type: none"> <li>○ Understand how atmospheric moisture works</li> <li>○ Learn to associate climate with other environmental and human issues.</li> <li>○ Acquire the idea of various approaches to climate classification</li> </ul>
GEO/H/CC/T/06	Statistical Methods in Geography	4	<ul style="list-style-type: none"> <li>○ Learn the importance and significance of statistics in geography.</li> <li>○ Recognize the importance and application of Statistics in Geographical studies</li> <li>○ Will know the collection of data and preparation of the statistical table</li> <li>○ Know about different types of sampling</li> <li>○ Understand the concept of central tendency, association, and correlation.</li> </ul>
GEO/H/CC/P/06	Statistical Methods in Geography	2	<ul style="list-style-type: none"> <li>○ Interpret statistical data for a holistic understanding of geographical phenomena.</li> <li>○ Will be able to compute data matrix.</li> <li>○ Will be able to measure and draw mean, median, and mode.</li> <li>○ Acquire the capability of drawing time series graphs and regression line.</li> </ul>
GEO/H/CC/T/07	Geography of India	6	<ul style="list-style-type: none"> <li>○ acquaint the students with the geography of our Nation i.e. India</li> <li>○ know the location and distribution of various economic systems</li> <li>○ make the students aware of the magnitude of problems and prospects at the national level.</li> <li>○ to understand the interrelationship between the subject and the society.</li> <li>○ to understand the recent trends in regional studies and the distinctiveness of different regions</li> </ul>
Geo/H/Sec/P/01/A Practical	Computer Basic and Computer Applications	2	<ul style="list-style-type: none"> <li>○ Acquaint with the numbering systems; binary and arithmetic</li> <li>○ Able to compute data in a computer</li> <li>○ Learn to format data in spreadsheets and compute the measure of central tendencies with the help of a computer</li> <li>○ Learn to prepare annotated diagrams and interpretation</li> <li>○ Will be able to surf the Internet for generation and extraction of information</li> </ul>

## SEMESTER IV

Course Code	Course Title	Credit	Course outcome
GEO/H/CC/T/08	Regional Planning and Development	6	<ul style="list-style-type: none"> <li>○ Gain the concept of region and formal, functional, and planning regions</li> <li>○ Understand the regional imbalances and problems of functional Regions</li> <li>○ Able to identify varied aspects of development and regional disparity</li> <li>○ Build an idea about theories and models for regional development.</li> <li>○ Will have an idea of the causes of regional imbalances in India</li> <li>○ Know about measuring human development indicators</li> </ul>
GEO/H/CC/T/09	Economic Geography	4	<ul style="list-style-type: none"> <li>○ Understand the concept of economic activity.</li> <li>○ Have an idea regarding factors influencing the location of economic activity and forces of agglomeration factors</li> <li>○ Analyze the factors of the location of agriculture and industries</li> <li>○ Understand the nature and types of primary, secondary, and tertiary activities.</li> <li>○ Build an idea about the transport network and system</li> </ul>
GEO/H/CC/T/10	Environmental Geography	2	<ul style="list-style-type: none"> <li>○ Avail the concept of environment in different stages of civilization. and concept of EIA</li> <li>○ Possess the idea of the structure and functions of the ecosystem</li> <li>○ Gain knowledge of Environmental pollution and the degradation of the environment</li> <li>○ Understand the urban environmental issues</li> <li>○ Know about the policies and global conferences on environment,</li> </ul>
GEO/H/CC/P/10 practical	Environmental Geography	6	<ul style="list-style-type: none"> <li>○ acquaint the students with the geography of our Nation i.e. India</li> <li>○ make the student aware of the magnitude of problems and prospects at the national level.</li> <li>○ know the location and distribution of various economic systems.</li> <li>○ to understand the interrelationship between the subject and the society.</li> <li>○ to understand the recent trends in regional studies and the distinctiveness</li> </ul>

			○
GEO/H/SEC/P/01/A	Computer Basic and Computer Applications	2	<ul style="list-style-type: none"> <li>○ Able to perform perception surveys on environmental problems</li> <li>○ Develop the ability for environmental mapping and quality assessment of soil using a field kit.</li> <li>○ Can interpret the air quality using CPCB/ WBPCB data</li> </ul>
GEO/H/SEC/P/02/B	Field Work	2	<ul style="list-style-type: none"> <li>○ Learn to prepare field reports from the field experience and measurement.</li> <li>○ Able to identify the problem of any area and to measure it based on proper methodology</li> <li>○ Gain firsthand experience in the real world outside the classroom ambience</li> </ul>

## SEMESTER V

Course Code	Course Title	Credit	Course outcome
GEO/H/CC/T/1	Research Methodology and Field Work	4	<ul style="list-style-type: none"> <li>○ Will acquire the skill to identify the research problems</li> <li>○ know about the techniques of writing a scientific report based on a field survey.</li> <li>○ Will have the ability to select an area, field techniques, and tools to write a field report.</li> <li>○ Develop expertise in quantitative and qualitative analysis,</li> </ul>
GEO/H/CC/P/1	Research Methodology and Field Work	2	<ul style="list-style-type: none"> <li>○ Learn to handle logistics and other emergencies outside the classroom environment, on the field.</li> <li>○ Develop skills in photography, mapping, and video recording</li> </ul>
GEO/H/CC/T/12: (Theory):	Remote Sensing and GIS	4	<ul style="list-style-type: none"> <li>○ Know about types of satellites and sensors.</li> <li>○ Will know about GIS data types and the principle of image interpretation</li> <li>○ Develop knowledge of Geospatial data and the need for it in geographical analysis</li> </ul>
GEO/H/CC/P/2	Remote Sensing and GIS	2	<ul style="list-style-type: none"> <li>○ Able to georeference and enhance the image</li> <li>○ Learn to make land use and land cover maps for change detection of any area.</li> </ul>
GEO/H/DSE/T/01/B: (Theory):	Cultural and Settlement Geography	6	<ul style="list-style-type: none"> <li>○ Understand the scope and content of cultural and settlement geography</li> <li>○ Know the concept of cultural hearth and realm, cultural diffusion.</li> <li>○ Develop an understanding of cultural segregation and</li> </ul>

			<div>diversity, technology, and development</div> <ul style="list-style-type: none"> <li>○ Learn about the races and racial groups of the world</li> <li>○ Identify the cultural regions of India</li> <li>○ Acquire knowledge about Rural house types in India</li> <li>○ Learn categories of urban settlements</li> <li>○ Can analyze the urban morphology models of Burgess, Hoyt, Harris, Ullman, and others.</li> </ul>
GEO/H/DSE/T/02/A: (Theory):	Population Geography	6	<ul style="list-style-type: none"> <li>○ Develop the concept of demography, NSS, and Census.</li> <li>○ Learn about the pattern of distribution of world population</li> <li>○ Gain the knowledge on age-sex pyramid, fertility, and mortality</li> <li>○ Develop the idea of migration and its importance</li> <li>○ Know the indicators of the human Development Index</li> <li>○ Acquire the idea on population policies of India and China</li> </ul>

## SEMESTER VI

Course Code	Course Title	Credit	Course outcome
GEO/H/CC/T/13	Evolution of Geographical Thoughts	6	<ul style="list-style-type: none"> <li>○ Know the development of Geography from the Dark Age</li> <li>○ Perceive the evolution of the philosophy of Geography.</li> <li>○ Appreciate the contribution of the thinkers in Geography.</li> <li>○ Discussing the evolution of geographical thought from ancient to modern times.</li> <li>○ Able to establish a relationship of geography with other disciplines</li> <li>○ Capable of analyzing modern and contemporary principles like empiricism, positivism, structuralism, human and behavioral approaches in geography</li> <li>○ Know the quantitative revolution in geography and its impact</li> </ul>
GEO/H/CC/T/14: (Theory):	Disaster Management	4	<ul style="list-style-type: none"> <li>○ Understand the nature and types of hazards and disasters.</li> <li>○ Assess the risk, perception, and vulnerability of hazards and disasters</li> <li>○ Develop the concept of preparedness, resilience and capacity building for hazards</li> </ul>

GEO/H/CC/P/14	Disaster Management	4	<ul style="list-style-type: none"> <li>○ Learn to prepare reports on disaster based on case studies</li> <li>○ Able to construct hazard zonation maps.</li> <li>○ Acquaint with the nature, impact, and management of natural and man-made hazards affecting the Indian subcontinent.</li> </ul>
GEO/H/DSE/T/03/A: (Theory)	Fluvial Geomorphology	6	<ul style="list-style-type: none"> <li>○ Gain an appreciation of geomorphic processes of erosion, deposition, and transportation.</li> <li>○ Understand human impacts on riverscapes and fluvial forces</li> <li>○ Recognize how geomorphic analysis is used in practice to help manage riverscapes</li> <li>○ Able to know the quantitative properties of river basin</li> <li>○ Can have the knowledge on river bank erosion</li> <li>○ Acquaint with the importance of watershed management</li> </ul>
GEO/H/DSE/T/04/A: (Theory)	Soil and Bio Geography	6	<ul style="list-style-type: none"> <li>○ Know about the character and profile of different soil types.</li> <li>○ Understand processes of soil formation.</li> <li>○ Understand the impact of man as an active agent of soil transformation and degradation.</li> <li>○ Understand the varied ecosystems over the Earth.</li> <li>○ Able to recognize the significance of biogeochemical cycles and biodiversity.</li> <li>○ Comprehend the grave impact of deforestation</li> </ul>
GEO/H/DSE/T/02/A: (Theory):	Population Geography	6	<ul style="list-style-type: none"> <li>○ Develop the concept of demography, NSS, and Census.</li> <li>○ Learn about the pattern of distribution of world population</li> <li>○ Gain the knowledge on age-sex pyramid, fertility, and mortality</li> <li>○ Develop the idea of migration and its importance</li> <li>○ Know the indicators of the human Development Index</li> <li>○ Acquire the idea on population policies of India and China</li> </ul>