



**Nistarini College, Purulia**

AFFILIATED TO SIDHO KANHO BIRSHA UNIVERSITY, PURULIA  
NAAC Reaccredited "A" Grade (CGPA 3.14)  
DEPARTMENT OF GEOGRAPHY

## **Program Outcomes, Program Specific Outcomes and Course Outcomes**

**DEPARTMENT OF GEOGRAPHY**

## Programme Name: B. A Honours in Geography

### **Programme Outcomes:**

After successful completion of three year degree program in Geography, a student should be able to:	
<b>PO-1.</b>	Analyse, comprehend, and have a solid grasp of the key ideas in all areas of Geography.
<b>PO-2.</b>	Able to understand how geography has developed through different philosophical thoughts and its modern paradigm.
<b>PO-3.</b>	Students will learn how different branches of geography interact with each other's.
<b>PO-4.</b>	Accurately they can analyse the qualitative and quantitative information in geographical filed.
<b>PO-5.</b>	Through this interdisciplinary subject, students will be able to help the policymakers in different economic and environmental project.

### **Programme Specific Outcomes:**

Programme Specific outcomes are:	
<b>PSO-1.</b>	Gain knowledge about the geo-tectonic and geomorphic forces shaping the earth through the different geological time frame.
<b>PSO-2.</b>	Concept of socio-economic map making with cartographic tools and statistical techniques
<b>PSO-3.</b>	Idea about regional geography of India and west Bengal with special reference to primary, secondary and tertiary sectors of production.
<b>PSO-4.</b>	Student will familiarised globally and will also be introduced that how the human activities subject to adapted and change globally.
<b>PSO-5.</b>	Students will be exposed to cartographic information, skills to develop map reading, understanding the GIS software, Remote Sensing tools and will be able analyse digital data

<b>PSO-6.</b>	Concept of good research and report writing with emphasis on research publication and plagiarism.
<b>PSO-7.</b>	Understanding of river dynamics and the various attributes of a catchment.
<b>PSO-8.</b>	Critical analysis of geopolitics and territorial disputes.

### Course Outcomes of B.A Honours in Geography

SEMESTER-I		
Course	Co No.	Outcomes
BGEOCCHT101 Geo-tectonics and Geomorphology	<b>CO-1.</b>	Students will understand and gather knowledge about the evolution of earth's structural evolution relating to the geological time scale.
	<b>CO-2.</b>	Able to understand how the various kinds of landscape has developed and their route beneath the earth surface.
	<b>CO-3.</b>	Will Understand the processes and landforms associated with various exogenetic forces : river, glacier, wind
	<b>CO-4.</b>	Knowledge of Models of landscape development as envisaged by Davis, Penck, King and Hack
BGEOCCHS102 Cartographic Techniques	<b>CO-1.</b>	Acquire Knowledge of map making with precision of scale , coordinate system and bearings
	<b>CO-2.</b>	Idea of map projection with special reference to UTM projection
	<b>CO-3.</b>	Concept of surveying and use of surveying equipment like prismatic compass, dumpy level, theodolite, abney level and clinometer
	<b>CO-4.</b>	Interpretation of topographical map based on morphometric analysis

SEMESTER-II		
Course	Co No.	Outcomes

BGEOCCHT201 Hydrology and Oceanography	CO-1.	To study the dynamic processes of global hydrological cycle and its components: runoff, infiltration and evapotranspiration
	CO-2.	Acquire knowledge of water harvesting and watershed management
	CO-3.	Concept of groundwater, recharge, discharge and movement
	CO-4.	Study the form and nature of sea water and gain knowledge on current issues related to marine resources and sea level changes
BGEOCCHS202 Cartograms and Thematic Mapping	CO-1.	Construction of thematic maps based on cartographic techniques
	CO-2.	Preparation of socio-economic maps using statistical methods like Z-score and LQ techniques
	CO-3.	Use of surveying instruments: prismatic compass and dumpy level
	CO-4.	Interpretation of geomorphological maps, climatological maps, synoptic charts and land use/land cover maps

SEMESTER-III		
Course	Co No.	Outcomes
BGEOCCHT301 Climatology	CO-1.	Knowledge of earth atmosphere and its various constituents.
	CO-2.	Consciousness on the impact of greenhouse effect and importance of ozone layer
	CO-3.	Concept of various atmospheric phenomena
	CO-4.	Climatic classification as envisaged by Koppen, Thornthwaite and Oliver
BGEOCCHS302 Geography of India	CO-1.	The stratigraphic structure of a country helps to understanding the types and characteristics of rocks and physiography of an area.
	CO-2.	Knowing the wide diversity of regions of India with reference to the climate, soil , vegetation, socio-cultural stratification,
	CO-3.	Technical revolution in agriculture and acquire knowledge regionalisation of India in various aspects

	CO-4.	Highlight the facts on regional problems in India
BGEOCCHS303 Statistical Methods in Geography	CO-1.	Knowledge of statistical methods in geography with emphasis on data collection and sampling
	CO-2.	Representation of data by its central tendency , dispersion and correlation
	CO-3.	Plotting of regression line both linear and non-linear
	CO-4.	Time series analysis of data to know the trend
BGEOSEHT305 Disaster Management	CO-1.	Knowledge of hazard and disaster
	CO-2.	Classifying the various disaster and areas effected by them
	CO-3.	Idea of risk and vulnerability assessment

SEMESTER-IV		
Course	Co No.	Outcomes
BGEOCCHT401 Regional Planning and Development	CO-1.	Understanding the basic concept of different regions and the need for specialised multilevel planning in India
	CO-2.	The various concepts and models of regional development
	CO-3.	The need and measure of balanced development in India with reference to regional inequality, disparity and diversity
	CO-4.	Understanding the concept of human development index
BGEOCCHT402 Economic Geography	CO-1.	Idea of economic geography with reference to economic man distance and transport cost
	CO-2.	Models determining the location of various economic activities
	CO-3.	Knowledge of the different primary, secondary and tertiary activities
	CO-4.	Importance of the international agreements and trade blocks in recent global scenario
BGEOCCHS403 Remote Sensing	CO-1.	Able to learn in details about the concept of remote sensing process
	CO-2.	To understand the importance of resolution of sensors in data capturing

	CO-3.	Can learn about Electro Magnetic Radiation and object based reflection
	CO-4.	Land use/land cover mapping from satellite data and map making using GIS software
BGEOCCHS405	CO-1.	Use of software like MS-Excel and SPSS for data interpretation
Advanced Spatial Statistical Techniques	CO-2.	The different probability theories and their geographical applications
	CO-3.	Sampling procedure in statistical software
	CO-4.	Correlation, regression and time series analysis

SEMESTER-V		
Course	Co No.	Outcomes Students will know about the
BGEOCCHT501 Environmental Geography	CO-1.	Importance of environmental studies in geography and the perception of environment through the various stages of civilization
	CO-2.	The concept of ecosystem and its component parts
	CO-3.	Urban environmental issues and remedies
	CO-4.	Environmental programmes and policies envisaged at the local, national and global level
BGEOCCHS502 Research Methodology and Field Work	CO-1.	Introduction to good research work with knowledge of research problem, objective and hypothesis
	CO-2.	Concept of literature review and plagiarism
	CO-3.	Techniques of report writing
	CO-4.	Field work for collecting physical and socio-economic data
BGEODSHT1 Fluvial Geomorphology	CO-1.	Understanding the river as a separate hydro entity, the processes it operates and the relationship with the various components in the catchment
	CO-2.	The importance of drainage basin with reference to fluvial morpho-dynamics
	CO-3.	The study of the various fluvial landforms

		Knowledge of integrated watershed management and its importance
BGEODSHT2 Urban Geography	CO-1.	Development of urban geography as a discipline
	CO-2.	Theories of origin and evolution of urban places through ages
	CO-3.	Urban issues and challenges in post liberal period
	CO-4.	Pattern and trend of Urbanization in India with specific case studies of Delhi, Kolkata and Chandigarh
BGEODSHT3 Population Geography	CO-1.	Knowledge of the various parameters of population
	CO-2.	Causes, types and patterns of national and international migration with special reference to India
	CO-3.	Lessons of population policies from the developed and less developed countries
	CO-4.	Current issues of population related to ageing, sex ratio, environment and diseases

SEMESTER-VI		
Course	Co No.	Outcomes
BGEOCCHT601 Evolution of Geographical Thought	CO-1.	Development of geographical thought through ages: ancient, medieval and modern period
	CO-2.	Concept of various approaches in geographical study
	CO-3.	Contribution of eminent geographers of various schools
	CO-4.	Post-modern development in geography with special reference to space
BGEOCCHS602 Geographical Information System	CO-1.	Construct knowledge about co-ordinate system assignment to specific layer
	CO-2.	Able to distinguish between raster and vector data
	CO-3.	Database creation and spatial modelling of events
	CO-4.	Application of GIS in physical geography like geomorphology mapping
	CO-1.	Type, characteristics, profile and pattern of soil formation

BGEODSHT4 Soil and Biogeography	CO-2.	Importance of soil in human life and challenges of soil erosion and degradation
	CO-3.	Knowledge of biosphere and the importance of biogeochemical cycles
	CO-4.	Causes, consequences and management of deforestation
BGEODSHT5 Social Geography	CO-1.	Evolution of social region with emphasis to space
	CO-2.	Different social categories and their social behaviour in the social environment
	CO-3.	Idea of social wellbeing and its measures
	CO-4.	Importance of five year plan with special reference to SIA
BGEODSHT6 Political Geography	CO-1.	Knowledge of state, nation and nation-state with reference to geopolitics and conflicts
	CO-2.	Electoral geography and the concept of voting and representation
	CO-3.	Interstate and territorial politics of India
	CO-4.	The idea of the formation of new states within the Indian federalism