

Name of the Programme: B.A/B.Sc (Geography) Hons. & General

Programme Outcomes (PO)	
PO1	PO1: Gain of Knowledge about Physical Aspects of Earth: Understand geography way of looking at the world through the lenses of place, space and scale .Apply a strong foundation of Physical theory, principles, and methodologies to analyze relationship and dependencies among the phenomena and processes.
PO2	PO2:Analysis of Environmental-Societal Dynamics : Appreciate Earth as the home land of humankind and provide insight for wise management decisions about how the planet resources should be used.
PO3	PO3: Gain of Knowledge about Tectonic and Economic Aspects: Theory and practical solutions to address tectonic and economic problems while considering factors such as Plate-tectonic, Isostasy, Rocks, Sectors of economy.
PO4	PO4: Morphological, Meteorological, Social and Cartographic Aspects : Analyse and assess Earth changing surface in the context of Morphological, Meteorological, Social and represent with cartographic techniques.
PO5	PO5: Interrelationship between Soil-Flora-Fauna-Regional aspects and Geoinformatics: Enhancement of capabilities to examine the interrelationship between Pedology-Ecology. Insight of Regional aspects with special reference to India and West Bengal. And application of Geoinformatics.
PO6	PO6: Research Methodology with Field Teqhiques and Resourcee potentiality: Recognize the need for Philosophical Geography, Environmental sustainability, Statistical theories, methodologies, and practices to adapt to the dynamic nature of the field.

Semester	Course Code	Course Name	Course Outcomes (CO)	PO1	PO2	PO3	PO4	PO5	PO6	
I	CC1	Geotectonics and Geomorphology	CO1: Basic concepts of Interior of the Earth and Different tectonic activities.	CO1	3	3	2	3	2	3
			CO2: Morphometric indices of tectonic activity.	CO2	2	3	2	3	2	2
			CO3: Identification of rocks and minerals and Clinometer.	CO3	2	2	2	2	2	2
	CC2	Cartographic Techniques	CO1: Understanding of different aspects of projection	CO1	1	1	1	1	1	1
			CO2: Concept and Understanding of Scale.	CO2	3	3	3	3	3	3
			CO3:Application of Thematic Mapping.	CO3	2	2	2	2	2	2
II	CC3	Human Geography	CO1: Understanding the basic cncpts of Demography and Settlement geography	CO1	2	2	2	2	2	2
			CO2: Scope and Approches of Social and Urban Geography	CO2	2	2	2	2	2	2
			CO3:Application of Quantitative Techniques in Human Geography.	CO3	2	2	2	2	2	2
	CC4	Cartograms ,Thematic Mapping and Surveying	CO1: Introduction, concepts and illustration of thematic mapping .	CO1	3	3	3	3	3	3
			CO2: Introduction, concepts and illustration of surveying.	CO2	2	2	2	2	2	2
			CO3: Introduction, concepts and illustration of Cartograms.	CO3	3	3	3	3	3	3
III	CC5	Climatology	CO1: Elements of the atmosphere.	CO1	3	3	3	3	3	3
			CO2: Atmospheric phenomena and climatic classification.	CO2	2	2	2	2	2	2
			CO3: Interpretation of daily weather map and application of weather instruments.	CO3	3	3	3	3	3	3
	CC6	Hydrology and Oceanography	CO1: Concepts and approaches of hydrology.	CO1	1	1	1	1	1	1
			CO2: Concepts and approaches of Oceanography.	CO2	2	2	2	2	2	2
			CO3: Different construction techniques in hydrology.	CO3	3	3	3	3	3	3
	CC7	Statistical Methods in Geography	CO1: Numerical data analysis.	CO1	2	2	2	2	2	2
			CO2: Frequency distribution and sampling.	CO2	1	1	1	1	1	1
			CO3: Application of central tendency and dispersion.	CO3	2	2	2	2	2	2
SEC A 01	Coastal Management	CO1: Coastal zone management	CO1	2	2	2	2	2	2	
		CO2: Coastal planning and management.	CO2	1	1	1	1	1	1	
		CO3: Coastal Morphodynamic variables..	CO3	1	1	1	1	1	1	
IV	CC8	Economic Geography	CO1: Concepts and theories in Economic Geography	CO1	3	3	3	3	3	3
			CO2: Third world aspects in economic geography.	CO2	2	2	2	2	2	2
			CO3: Application of Quantitative Techniques in Economic Geography.	CO3	3	3	3	3	3	3
	CC9	Regional Development and Planning	CO1: Concepts ,types and delineation of regions.	CO1	3	3	3	3	3	3
			CO2: Regional planning strategies.	CO2	2	2	2	2	2	2
			CO3: Practical knowledge of regional development and planning.	CO3	3	3	3	3	3	3
	CC10	Soil and Biogeography	CO1: Concepts and approaches of Soil Geography.	CO1	2	2	2	2	2	2
			CO2: Concepts and approaches of Biogeography Geography.	CO2	3	3	3	3	3	3
			CO3: Practical knowledge on soil PH ,NPK, Plant species diversity determination.	CO4	2	2	2	2	2	2
	SEC B 02	Rural Development	CO1: Introduction and Concepts of Rural Development.	CO1	3	3	3	3	3	3

V	CC11	Research Methodology and Fieldwork	CO1: Discussion of methodological issues- literature review, questionnaire, tabular representation.	CO1	3	3	3	3	3	3
			CO2: Field techniques and tools.	CO2	3	3	3	3	3	3
			CO3: Application of classroom knowledge of field skills to connect to the issues that require geographic and environmental expertise	CO3	2	2	2	2	2	2
	CC12	Remote Sensing, GIS and GNSS	CO1: Discussions on RS, GIS AND GNSS.	CO1	2	2	2	2	2	2
			CO2: Utilize modern Remote sensing tools, software, and information technology to analyze geographic data, make predictions, and support evidence-based decision-making.	CO2	3	3	3	3	3	3
	DSE A 02	Climate Change: Vulnerability and adaptations	CO1: Discussions on Science of climate change	CO1	3	3	3	3	3	3
			CO2: Impact of climate change: initiatives and actions programmes.	CO2	2	2	2	2	2	2
			CO3: Interpretation of Indian meteorological Data.	CO3	1	1	1	1	1	1
	DSE B 02	Cultural and Settlement Geography	CO1: Concepts and approaches of Cultural Geography.	CO1	3	3	3	3	3	3
			CO2: Concepts and approaches of Settlement Geography.	CO2	2	2	2	2	2	2
	CC13	Philosophy of Geography	CO1: Nature of Geography.	CO1	2	2	2	2	2	2
			CO2: Geography in 20th century and concepts of voyage mapping.	CO2	3	3	3	3	3	3
	CC14	Hazard Management	CO1: Factors, consequence and management of various types of Hazard in Indian context.	CO1	2	2	2	2	2	2
			CO2: Preparation of a Hazard Management Report on any case study.	CO2	3	3	3	3	3	3
VI	DSE A 04	Resource Geography	CO1: Concept of resource and development	CO1	3	3	3	3	3	3
			CO2: Resource conflict and management.	CO2	3	3	3	3	3	3
			CO3: Mapping techniques in resource geography.	CO3	2	2	2	2	2	2
	DSE B 08	Geography of India	CO1: Physical and Human aspects of India and West bengal.	CO1	2	2	2	2	2	2
			CO2: Practical knowledge on climatic phenomena, demography and industrial production.	CO2	2	2	2	2	2	2
Generic Courses										
I	CC1/GE1	Physical Geography	CO1: Introduction of fundamental concepts and foundational understanding of Physical Geography.	CO1	2	2	2	2	2	2
			CO2: Knowledge about Hazard and Disaster in Indian Context.	CO2	1	1	1	1	1	1
			CO3: Basic ideas about Topographical Maps and Scales.	CO3	3	3	3	3	3	3
II	CC2/GE2	Environmental Issues in Geography	CO1: Sustainable environment and other issues.	CO3	3	3	3	3	3	3
			CO2: Environment impact assessment.	CO4	3	3	3	3	3	3
III	CC3/GE3	Human Geography	CO1: Understanding the basic concepts of Demography and Settlement geography	CO1	2	2	2	2	2	2
			CO2: Scope and Approaches of Social and Urban Geography	CO2	2	2	2	2	2	2
			CO3: Application of Quantitative Techniques in Human Geography.	CO3	3	3	3	3	3	3
	SEC A 01	Coastal Management	CO1: Coastal zone management	CO4	3	3	3	3	3	3
			CO2: Coastal planning and management.	CO5	3	3	3	3	3	3
			CO3: Coastal Morphodynamic variables..	CO6	3	3	3	3	3	3
IV	CC4/GE4	Cartography	CO1: Understanding of different aspects of projection	CO1	3	3	3	3	3	3
			CO2: Concept and Understanding of Scale.	CO2	3	3	3	3	3	3
SEC B 02	Rural Development	CO1: Introduction and Concepts of Rural Development.	CO1: Concepts ,types and delineation of regions.	CO3	2	2	2	2	2	2
			CO2: Regional planning strategies.	CO1	2	2	2	2	2	2
V	DSE A 01	Regional Development and Planning	CO2: Regional planning strategies.	CO2	2	2	2	2	2	2
			CO3: Practical knowledge of regional development and planning.	CO3	2	2	2	2	2	2
			CO1: Demographic aspects of geography.	CO1	2	2	2	2	2	2
VI	DSE B 04	Population Geography	CO1: Demographic aspects of geography.	CO1	3	3	3	3	3	3
			CO2: Understanding of the population dynamics.	CO2	2	2	2	2	2	2