COURSEOUTCOMESOF GEOGRAPHYGENERAL(B.A.&B.SC.)UNDERCBCS

Geography is the study of places and the relationships between people andtheir environments. Geographers explore both the physical properties of Earth's surface andthehumansocietiesspreadacrossit.Theyalsoexaminehowhumancultureinteractswiththenatu ralenvironmentandthewaythoselocationsandplacescanhaveanimpactonpeople. Geography seeks to understand where things are found, why they are there, and howthey developand change over time. Thestudy of the diverse environments, places, andspacesofEarth'ssurfaceandtheirinteractions.Itseekstoanswerthequestionsofwhythings are as they are where they are. The modern academic discipline of geography is rootedin ancient practice, concerned with the characteristics of places, in particular their naturalenvironmentsandpeoples,as well astherelationsbetweenthetwo.

ChoiceBasedCreditSystem(CBCS):SyllabusinGeography

INTRODUCTION: In compliance with recent directives from the University GrantsCommission,theundergraduatesyllabusforGeographyisreframedintoChoiceBasedCr edit System largely following the model syllabus prepared by the West BengalStateCouncilofHigherEducation.

The main objective of this new curriculum is to give the students a holistic understanding ofthe subject, putting equal weightage to the core content and techniques used in Geography. Thesyllabus tries to give equal importance to the two main branches of Geography: Physical andHuman.

The principal goal of the syllabus is to enable the students to secure a job at the end of theundergraduate programme. Keeping this in mind and in tune with the changing nature of Geography,adequateemphasisisrenderedonappliedaspectsofthesubjectsuchasemergingtechniqu esofmappingandfield-baseddatageneration.Thesyllabusemphasizeson development of basic skills of the subject, so that everyone need not go for higher studies in searchofprofessionalengagementoremployment.

LEARNINGOUTCOMES: Thissyllabusisdesignedtoimpartbasicknowledgeongeographyasa spatial science and train the undergraduates to secure employment in the sectors of geospatialanalysis, developmentandplanning,mappingandsurveying.

1.1 General Course: Core

SubjectsGEO-G-CC-1-**01**-TH/P – Physical GeographyGEO-G-CC-2-**02**-TH/P– EnvironmentalGeographyGEO-G-CC-3-**03**-TH/P – Human GeographyGEO-G-CC-4-**04**-TH/P – Cartography

1.2 GeneralCourse:ChoicesforTwoDisciplineSpecificElectives

GEO-G-DSE-A-5-**01**-TH/P – Regional DevelopmentGEO-G-DSE-A-5-**02**-TH/P – Geography of TourismGEO-G-DSE-B-6-**03**-TH/P– AgriculturalGeographyGEO-G-DSE-B-6-**04**-TH/P– PopulationGeography

1.3 GeneralCourse:ChoicesforTwoSkillEnhancementCourses

GEO-G-SEC-A-3/5-**01**-TH–CoastalManagement

GEO-G-SEC-A-3/5-**02**-TH–Forest and Wildlife Management

GEO-G-SEC-B-4/6-**03**-TH–RuralDevelopment

GEO-G-SEC-B-4/6-**04**-TH–Sustainable Development

COURSEOUTCOMES
[General]

The course outcomes of the different papers offered are presented below. After completion of the course thestudentwill beableto:

Course Code	CourseTitle	Credits	CourseOutcomes
CC-1-01Th+P	Physical Geography	4+2=6	• Understand the theories and fundamental concepts ofGeotectonic and Geomorphology. Understand earth'stectonic and structural evolution. Gain knowledge aboutearth's interior. Develop an idea about concept of platetectonics,and resultant landforms. • Acquire knowledge about types of folds and faults andearthquakes, volcanoesand associated landforms. • Understanding crustal mobility and tectonics; withspecialemphasisontheirroleinlandformdevelopment . • Analysetheconceptsof HydrologyandOceanography • Emphasizingthesignificanceofgroundwaterquality and its circulation • Evaluatetherole oftheglobalhydrologicalcycle. • Studying the behavior and characteristics of the globaloceans. • Realizetheimportanceofwaterconservation. • Identifymarineresources andcharacteristicsofoceanwaters. • Interpret hydrological and rainfall dispersion graphsanddiagrams. • Identificationofrocksandminerals. • Acquire knowledge about Toposheet. Drawing different types of profile. Identification different types of drainage pattern and channel features.
CC-2-02Th+P	Environmental Geography	4+2=6	• Understand the elements of weather and climate,differentatmosphericphenomenaandclimatechange. • Learn to associate climate with other environmentalandhumanissues.Approachestoclimateclassification. • To analyze the dynamics of the Earth's atmosphere andglobal climate. Assessing the role of man in global climatechange. • Have knowledge about the character and profile ofdifferentsoil types.

			Understand the impact of man as an active agent of soiltransformation,erosionanddegradation. Explaining the Pedological and EdaphologicalApproaches to Soil Studies - Processes of soil formation,typesofsoil,andprinciplesofsoilandlandclassification;andmanagement. Understand the variedecosystems andclassifythem. Recognize the significance of biogeochemical cyclesandbiodiversity. ● Comprehendthedevastatingimpactofdeforestation. ● Interpretation daily Weather maps of India. ● Construction and interpretation Hythergraph, Climograph, and Wind rose. ● Determination soil types by using ternary diagram. • Preparation of Biodiversity register.
CC-3-03Th+P	HumanGeography	4+2=6	Understand the concept of economic activity, factorsaffecting location of economic activity. Gain knowledgeaboutdifferent typesofEconomicactivities Assess the significance of Economic Geography, theconceptof economicmanand theoriesofchoice. Analyzethefactorsoflocationofagricultureandindustries. Understand the evolution of varied types of economicactivities. • Gainknowledgeaboutmajorthemesofhuman Geography. • Acquire knowledge on the history and evolution ofhumans. • Understand the approaches and processes of HumanGeography as well as the diverse patterns of habitat andadaptations. • Developan ideaabout space and society. • Understandthescopeandcontent ofculturalgeography • Trace the development of cultural geography in relation to allieddisciplines • Understand the concept of cultural hearth and realm, culturaldiffusion,diffusion ofreligion • Develop an understanding of cultural segregation and culturaldiversity,technologyanddevelopment • Learnaboutthe variousraces andracialgroupsoftheworld • Identifythe culturalregionsofIndia • Acquire knowledge about Urban and Rural settlements-Definition, natureandcharacteristics • Mapandinterpretdataonoccupational structure, time series, arithmetic growth rate. • Analyze nearest neighbour by toposheet.

CC-4-04Th+P	Cartography	4+2=6	• Comprehend the concept of scales and representationofdatathroughcartograms. • Developanideaaboutdifferenttypesofthematicmapingtechniques. • Haveknowledgeoftheprinciplesofremotesensing,sensorresolutionsand imagereferencingschemes. • Understandandpreparedifferentkindsofmaps. • Recognizebasicthemes ofmapmaking. Developmentofobservationskills. • Interpretsatelliteimageryandunderstandthepreparationoffalsecolorcompositesfromthem. • Develop some specific Projections.

COURSEOUTCOMES

[DISCIPLINESPECIFICELECTIVES]

Course Code	CourseTitle	Credits	CourseOutcomes
GEO-G-DSE-A-5-01-TH+P	Regional Development	4+2=6	Understandandidentifyregionsasanintegralpartofgeographicalstudy. Appreciatethevariedaspectsofdevelopmentandregional disparity, in order to formulate measures ofbalanceddevelopment. Analyzingtheconceptof regionsandregionalization. Studying typical physiographic, planning, arid andbiotic regions of India. Understanding the detailedgeographyofIndia. • Gain knowledge about definition of region, evolutionand types of regional planning. Develop an idea aboutchoiceofaregion forplanning. • Build an idea about theories and models for regionalplanning.Knowaboutmeasuringdevelopmentindicators. • They can know about delineation of formal regions and also delineation of functionalregions. • Gainknowledgeabout measuringinequalityby Location Quotient, and also measuring regional inequalitybyLorenz curve. Preparation of Z-Score.
			● TounderstandaboutthePopulationscenariooftheworldandtheirrelatedproblems. ● Toknowaboutthevariouspopulationcharacteristicsandrelated populationtheories.

GEO-G-DSE-B-6-04 T+P	PopulationGeography	4+2=6	• Ithelpsthestudentstounderstandtheruralurbanpopulationstructureandtheirvariousissues. • Tounderstandaboutthemorphologyofthevarioussettlementpattern. • Ithelpsstudentstounderstandthevarioussettlementtypesandtheir characteristics.

COURSEOUTCOMES

[SKILL ENHANCEMENTELECTIVES]

Course Code	CourseTitle	Credits	CourseOutcomes
GEO-G-SEC-A-3/5-01-TH	Coastal Management	2	• Define the coastal zone; • Understand the concepts, fundamentals and challenges of integrated coastal zone management; • Have an overview of coastal ecosystems and their role in achieving a healthy coastal environment; • Understand the different physical processes happening in the coastal zone; • Learn about the threats to the coastal and marine environment; • Understand the process of coastal erosion and learn on the different types of coastal protection measures being undertaken to address this problem; • Learn about what is being done to protect the coastal zone.
GEO-G-SEC-A-3/5-02-TH	Forest and Wildlife Management	2	• Understand concepts of forest management planning at both the stand and estate level for strategic, tactical and operational planning. • Students will be competent in basic forest management principles and evaluation of forest stands for health, wildlife habitat and lumber use. • Students will be able to apply knowledge to solve problems related to wildlife conservation and management. • Students will have a greater knowledge of how wildlife conservation and management relates to the economy and environment, both currently and in the future. • Students will be able to find detailed information on a topic from print as well as online information sources. • Students will be able to critically evaluate current events and public information related to wildlife conservation and management as being scientifically-based or opinion-based and contribute to the knowledge base of information.

GEO-G-SEC-B-4/6-03-TH	Rural Development	2	• RuralDevelopment:Concept,basicelements,measuresoflevelofruraldevelopment. • Paradigms of rural development: Gandhian approach torural development. • Area based approach to rural development: Droughtprone area programmes, PMGSY, SJSY, MNREGA, JanDhanYojana. ● RuralGovernance:PanchayatiRajSystemandruraldevelopmentpoliciesandProgrammesinIndia.
GEO-G-SEC-B-4/6-03-TH	Sustainable Development	2	● Thepaperhighlightsonthebasicsofsustainabilityincludingthemillenniumdevelopment goals. It also focuses on sustainable and inclusive development along withenvironmental management.Sustainable development policies and programmes includingthe principlesofgoodgovernanceare alsodiscussedinthepaper. ● Tounderstandingabouttheconceptofsustainability,sustainabledevelopmentandinclusive development. ● Knowledgeofsustainabledevelopmentpoliciesandprogrammes. ● Deeper knowledge of the national environmental policy, and the principles of goodgovernance.