

## PROGRAMME AND COURSE OUTCOMES

### PROGRAMME NAME: THREE YEARS B.A./B.SC. IN GEOGRAPHY

#### PROGRAMME OUTCOMES (GEOGRAPHY HONOURS)

After studying **Geography** honours, the students will be able

1. To achieve a holistic understanding of the subject, putting equal weightage to the core content and techniques used in Geography.
2. To impart basic knowledge on Geography as a spatial science and train the undergraduates to secure employment in the sectors of geospatial analysis, development and planning, mapping, and surveying.
3. To secure a job at the end of the undergraduate programme. Keeping this in mind and in tune with the changing nature of Geography, adequate emphasis is rendered on applied aspects of the subject such as emerging techniques of mapping and field-based data generation, especially in the honours course.
4. To achieve an overall idea about the natural, social and cultural environment developed over the surface.
6. To get the idea of daily weather and climate system, consequences of climate change and most of all the causes and consequences of global warming which are the burning topic/problems of the present times.
7. To learn the idea of making suitable questionnaire, data collection, tabulation and analysis and to make correlation of the physical and socio-economic features of any area by visiting and surveying the area.
8. To correlate the theoretical knowledge with practical curricula to develop a holistic idea on various landforms in the light of their evolution.
9. To get an idea about the firsthand feel of independent research activities which is done after surveying an area as per the rules of the curriculum. This acts as a foundation for their future research activities.
10. To develop the soft skill of the students by introducing the computer and software oriented courses (GIS) which is now an essential requisite for the scholars who intend to pursue higher studies and research.

#### COURSE OUTCOMES (GEOGRAPHY HONOURS)

##### SEMESTER – I

COURSE CODE	COURSE NAME	COURSE OUTCOMES
GEO-A-CC-1-01	Geotectonics and Geomorphology	<b>KNOWLEDGE GAINED:</b> <ul style="list-style-type: none"><li>• Study landforms and the related processes from the traditional concept to the contemporary development in Geomorphology</li><li>• Gain in-depth knowledge on the influence of various types of rocks on the development and evolution of the landforms; hydrologic characteristics of an open channel flow that produce erosional and depositional landforms; form process interaction in the landform development and some modern methods of geomorphic analysis of the landforms through the concept of geomorphic threshold, geochronological methods and extreme events and equilibrium</li></ul>

		<p><b>SKILL GAINED:</b></p> <ul style="list-style-type: none"> <li>• The skill for understanding the landform in a systematic way</li> </ul> <p><b>COMPETENCY DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>• To cope up with continuous progress in geomorphology</li> </ul>
<b>GEO-A-CC-1-02</b>	<b>Cartographic Techniques</b>	<p><b>Map Projections</b></p> <p><b>KNOWLEDGE GAINED:</b></p> <ul style="list-style-type: none"> <li>• Gain knowledge in theoretical concept, derivation and plotting of Gall's Stereographic Projection, Mercator's Projection, Mollweide's Projection, Simple Conical Projection with two Standard Parallels, Conical Equal Projection with one Standard Parallels, Conical Equal Area Projection with two Standard Parallels, Conical Orthomorphic Projection with one Standard Parallel, Interrupted Sinusoidal Projection and UTM Projection</li> </ul> <p><b>SKILLS GAINED:</b></p> <ul style="list-style-type: none"> <li>• Acquire knowledge and clear concepts of the different types of map projection</li> </ul> <p><b>COMPETENCY DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>• Acquire knowledge of applicability of different projections Surveying</li> </ul> <p><b>Study of Topographical Maps</b></p> <p><b>KNOWLEDGE GAINED:</b></p> <ul style="list-style-type: none"> <li>• Use of topographical maps to perceive a landform or river basin and the interrelationship of the physical and cultural parameters. to efficiently use the topographical maps to obtain data with an objective to learn some quantitative techniques like basic morphometric analysis, nearest neighbors analysis of the settlements and bivariate correlation study (linear regression and correlation) between the physical and cultural aspects of an area.</li> </ul> <p><b>SKILL DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>•Preparation of various maps and diagrams related to geographical study</li> </ul> <p><b>COMPETENCY DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>• Capacity for using these maps and diagrams in the relevant areas</li> </ul>
<b>SEMESTER – II</b>		
<b>GEO-A-CC-2-03</b>	<b>Human Geography</b>	<p><b>KNOWLEDGE GAINED:</b></p> <ul style="list-style-type: none"> <li>• You have advanced empirical and theoretical knowledge within one or more of the following areas: Urban Studies and Planning, Climate Change Adaptation and Social Transformations, Development and Politics, and Economic and Labour Geography.</li> </ul> <p><b>SKILL DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>• formulate precise research questions, develop a good research design and structure sound argumentation in the analysis of specific issues.</li> <li>• apply scientific methods and tools to the analysis of empirical and theoretical problems and contribute to their understanding and solution.</li> <li>• conduct an independent and clearly delineated piece of research in line with academic and methodological standards and ethical guidelines.</li> </ul> <p><b>COMPETENCY DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>• Communicate research effectively to other experts and the general</li> <li>• Systematically and analytically acquire and communicate new knowledge.</li> <li>• Independently assess and reflect upon the methodological, ethical and practical challenges of research.</li> <li>• Initiate and provide constructive input to professional development activities.</li> </ul>

		<ul style="list-style-type: none"> <li>Independently conduct focused research projects.</li> </ul>
<b>GEO-A-CC-2-04</b>	<b>Thematic Mapping and Surveying</b>	<p><b>KNOWLEDGE GAINED:</b></p> <ul style="list-style-type: none"> <li>Have an in-depth knowledge on Plate table survey; counteracting with Dumpy Level; measuring of height and traversing by Theodolite</li> </ul> <p><b>SKILLS GAINED:</b></p> <ul style="list-style-type: none"> <li>Acquire knowledge and clear concepts of the different survey instruments</li> </ul> <p><b>COMPETENCY DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>Acquire competence in handling surveying instruments in individual capacity</li> </ul>
<b>GEO-A-CC-3-05</b>	<b>Climatology</b>	<p><b>KNOWLEDGE GAINED:</b></p> <ul style="list-style-type: none"> <li>Acquire clear concepts of climatology</li> <li>Greater understanding of the nature and scope of climatology; ocean atmospheric interaction; climate change and its impacts</li> </ul> <p><b>SKILLS GAINED:</b></p> <ul style="list-style-type: none"> <li>Study various methods of data collection, check weather conditions and learn the theoretical basis of meteorological instruments</li> <li>Acquire techniques of hydro-meteorology and agro-meteorology</li> </ul> <p><b>COMPETENCY DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>Response to global warming at individual as well as societal levels; responding to issues of climate change and its impacts</li> <li>Weather interpretation and forecasting with focus on application of hydrometeorology and agro-meteorology for future research work.</li> </ul>
<b>SEMESTER – III</b>		
<b>GEO-A-CC-3-06</b>	<b>Hydrology and Oceanography</b>	<p><b>KNOWLEDGE GAINED:</b></p> <ul style="list-style-type: none"> <li>Physical and chemical properties of sea water, bottom relief and distribution of oceanic resources; Nature and scope of oceanography, history of oceanographic expedition; distribution of water; major features of ocean basins; bottom topography of Indian, Pacific and Atlantic Oceans; Ocean deposits. Impact of Humans on the Marine Environment: law of the sea, exclusive economic zone, food and mineral resources of the sea, India's off-shore wealth.</li> </ul> <p><b>SKILL GAINED:</b></p> <ul style="list-style-type: none"> <li>Identification of causes of conflict regarding ocean route, marine resources, etc.</li> </ul> <p><b>COMPETENCY DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>Ability to analyse sea surface temperature fluctuation and its impact on southern oscillation.</li> </ul>
<b>GEO-A-CC-3-07</b>	<b>Statistical Methods in Geography</b>	<p><b>KNOWLEDGE GAINED:</b></p> <ul style="list-style-type: none"> <li>Understand the basic concept of sample and sampling; bi-variate analysis by correlation, regression and chi-square test</li> </ul> <p><b>SKILLS GAINED:</b></p> <ul style="list-style-type: none"> <li>Develop ability to choose samples for surveying; draw scatter diagram and calculate the different types of correlation; regression and chi-square values</li> </ul> <p><b>COMPETENCY DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>Can undertake sample based primary survey for studying any socio-economic issues in real world</li> <li>Identify the nature and strength of relationship among various parameters of socio-economic development</li> </ul>
<b>GEO-A-SEC-A-3-</b>	<b>Coastal Management</b>	<p><b>KNOWLEDGE GAINED:</b></p>

01		<ul style="list-style-type: none"> <li>• possess knowledge of the core scientific subjects within the field of management of coastal and marine regions and resources, as well as its main past, current and future challenges, conflicts, issues and problems.</li> </ul> <p><b>SKILLS GAINED:</b></p> <ul style="list-style-type: none"> <li>• have adopted skills for selecting and applying relevant key instruments in the field of coastal and marine management □</li> </ul> <p><b>COMPETENCY DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>• can initiate and lead projects within the field of management of coastal and marine environment and natural resources, and be responsible for the work of individuals and groups</li> </ul>
<b>SEMESTER – IV</b>		
GEO-A-CC-4-08	<b>Economic Geography</b>	<p><b>KNOWLEDGE GAINED:</b></p> <ul style="list-style-type: none"> <li>• Acquire knowledge of the fundamental and modern issues in Economic Geography</li> <li>• To gain in-depth knowledge of the concepts and approaches; classification of economic activities and their changing trend; theories of economic development; agricultural geography based on Von Thunen’s model and concepts of crop concentration, diversification, combination; agricultural productivity and efficiency; industrial geography theories; industrial regions and spatial variation in production and transport costs and gain knowledge on transport and marketing geography</li> </ul> <p><b>SKILLS GAINED:</b></p> <ul style="list-style-type: none"> <li>• Develop knowledge on geographical aspects of economy; types of economic activities</li> <li>• Conceptualize, demarcate and analyze the geographical determinates of agriculture and manufacturing activities</li> </ul> <p><b>COMPETENCY DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>• Inculcate the knowledge of changing dynamics in the industrial and agricultural sector that will help them in their research studies</li> </ul>
GEO-A-CC-4-09	<b>Regional Planning and Development</b>	<p><b>KNOWLEDGE GAINED:</b></p> <ul style="list-style-type: none"> <li>• Concepts of region, regionalization and regional planning; theories on recent development; concept on inequality and regional disparity</li> </ul> <p><b>SKILLS GAINED:</b></p> <ul style="list-style-type: none"> <li>• Delineation of formal and functional region</li> <li>• Identity the best measures of inequality and various indicators of regional development</li> </ul> <p><b>COMPETENCY DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>• Analyze the interstate imbalance in India with respect to various indicators of 16 development</li> <li>• Ability to prepare plans for development in backward region and backward group</li> </ul>
GEO-A-CC-4-10	<b>Soil and Biogeography</b>	<p><b>KNOWLEDGE GAINED:</b></p> <ul style="list-style-type: none"> <li>• The distribution patters of the plants and animals and the processes involved focusing on its development and content, the concept of habitat, plant-animal association, zoogeography as well as phytogeography with the objectives of understanding the geography of living organism in the earth in a more analytical perspective.</li> </ul> <p><b>SKILL DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>• Ability to see the animate world from geographical perspective.</li> </ul> <p><b>COMPETENCY DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>• Use of the knowledge in further academic development.</li> </ul>
GEO-A-	<b>Sustainable</b>	<b>KNOWLEDGE GAINED:</b>

SEC-B-4-04	Development	<ul style="list-style-type: none"> <li>• a main role has been attributed to education and educational practices, which are the most relevant means for enhancing specific learning outcomes for sustainable development</li> </ul> <p><b>SKILL DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>• Develop a sense of identity and belonging to their local, national, regional and global community.</li> </ul> <p><b>COMPETENCY DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>• Develop a future-oriented perspective that highlights the significance of their decisions, choices and actions on the quality of life of present and future generations.</li> </ul>
<b>SEMESTER – V</b>		
GEO-A-CC-5-11	Research Methodology and Fieldwork	<p><b>KNOWLEDGE GAINED:</b></p> <ul style="list-style-type: none"> <li>• Discuss different methodologies and techniques used in research work.</li> </ul> <p><b>SKILL GAINED:</b></p> <ul style="list-style-type: none"> <li>• Explain basic computer skills necessary for the conduct of research.</li> </ul> <p><b>COMPETENCY DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>• Assess the basic function and working of analytical instruments used in research</li> </ul>
GEO-A-CC-5-12	Remote Sensing, GIS and GNSS	<p><b>KNOWLEDGE GAINED:</b></p> <ul style="list-style-type: none"> <li>• Knowledge on the definition of GIS; various components of GIS; structure of GIS; data input; verification, storage and output in GIS and application of GIS as a tool for DSS.</li> </ul> <p><b>SKILL GAINED:</b></p> <ul style="list-style-type: none"> <li>• Geo-referencing; conversion of raster image to vector map • Hands on training in Global Mapper software</li> </ul> <p><b>COMPETENCY DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>• Prepare an administrative map using Global mapper software</li> <li>• Prepare landuse/land cover map using Global mapper software • Extracting spatial information from Google Earth platform</li> </ul>
GEO-A-DSE-B-5-05	Cultural and Settlement Geography	<p><b>KNOWLEDGE GAINED:</b></p> <ul style="list-style-type: none"> <li>• Acquire clear concept of global cities; urban planning, master plan and slum; recent process of urbanization in world with special reference to India; important planning thoughts</li> </ul> <p><b>SKILLS GAINED:</b></p> <ul style="list-style-type: none"> <li>• Develop ability to measure various dimensions of urbanization</li> <li>• Comprehend various components of master plan</li> </ul> <p><b>COMPETENCY DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>• Prepare master plan</li> <li>• Understand the various processes involved in the process of formation of slums</li> </ul>
GEO-A-DSE-A-5-02	Climate Change: Vulnerability and Adaptations	<p><b>KNOWLEDGE GAINED:</b></p> <ul style="list-style-type: none"> <li>• understand the physical basis of the natural greenhouse effect, including the meaning of the term radiative forcing</li> </ul> <p><b>SKILLS GAINED:</b></p> <ul style="list-style-type: none"> <li>• demonstrate an awareness of the difficulties involved in the detection of any unusual global warming ‘signal’ above the ‘background noise’ of natural variability in the Earth's climate and of attributing (in whole or in part) any such signal to human activity</li> </ul> <p><b>COMPETENCY DEVELOPED:</b></p>

		<ul style="list-style-type: none"> <li>• know something of the way various human activities are increasing emissions of the natural greenhouse gases, and are also contributing to sulphate aerosols in the troposphere</li> </ul>
<b>SEMESTER – VI</b>		
<b>GEO-A-CC-6-13</b>	<b>Evolution of Geographical Thought</b>	<p><b>KNOWLEDGE GAINED:</b></p> <ul style="list-style-type: none"> <li>• Acquire basic concepts in geographical thoughts through ancient, medieval and modern periods; recent trends and explanations in geography</li> </ul> <p><b>SKILLS GAINED:</b></p> <ul style="list-style-type: none"> <li>• Develop philosophical and historical aptitude among students in the context of evolution and development of geographical ideas, theme, approaches and knowledge</li> <li>• Acquaint students with the philosophers of different schools of thought that have contributed in the development of geography as a branch of knowledge.</li> </ul> <p><b>COMPETENCY DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>• Understanding of the basic theme, ideas, dichotomies and approaches of geographic knowledge</li> <li>• Critically evaluate the nature of geography as spatial science with changing space and time</li> </ul>
<b>GEO-A-CC-6-14</b>	<b>Hazard Management</b>	<p><b>KNOWLEDGE GAINED:</b></p> <ul style="list-style-type: none"> <li>• understand the approach to risk management through risk identification, risk measurement and risk management (or mitigation)</li> </ul> <p><b>SKILLS GAINED:</b></p> <ul style="list-style-type: none"> <li>• Learn the multidisciplinary nature of environmental studies and various natural resources</li> </ul> <p><b>COMPETENCY DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>• Understand the prevention of fire hazards and critical hazard management systems</li> </ul>
<b>GEO-A-DSE-A-6-04</b>	<b>Resource Geography</b>	<p><b>KNOWLEDGE GAINED:</b></p> <p>It is an introductory course of resource geography which is aimed at providing knowledge about the concepts of resources, classification, models of natural resource processes, their use and misuse, conservation and management of resources for sustainable development.</p> <p><b>SKILLS GAINED:</b></p> <p>Keeping in view the nature of data and purpose of study, students would be able to make a rational choice.</p> <p><b>COMPETENCY DEVELOPED:</b></p> <p>Students will become sensitized to concept and classification of resources, use or misuse and will learn conservation methods and techniques.</p>
<b>GEO-A-DSE-B-6-08</b>	<b>Geography of India</b>	<p><b>KNOWLEDGE GAINED:</b></p> <ul style="list-style-type: none"> <li>• In-depth knowledge of climate, natural vegetation, agriculture and energy resources and industries of India</li> </ul> <p><b>SKILLS GAINED:</b></p> <ul style="list-style-type: none"> <li>• Conceptualize the regional approaches and to examine regional differentiation in the study of India</li> </ul> <p><b>COMPETENCY DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>• Recognize regional identities and environmental dimension of regionalization to address the issues and concern needed for regional planning</li> </ul>
<b>PROGRAMME OUTCOMES</b>		

## GEOGRAPHY GENERAL (CC, GE)

After studying **Geography** as a CC/GE, the pass graduate students will be able

5. To achieve a holistic understanding of the subject, putting equal weightage to the core content and techniques used in Geography.
6. To impart basic knowledge on Geography as a spatial science and train the undergraduates to secure employment in the sectors of geospatial analysis, development and planning, mapping, and surveying.
7. To secure a job at the end of the undergraduate programme. Keeping this in mind and in tune with the changing nature of Geography, adequate emphasis is rendered on applied aspects of the subject such as emerging techniques of mapping and field-based data generation, especially in the honours course.
8. To engage and succeed in academic / professional careers through team work, leadership and managerial skills.
11. To get the idea of daily weather and climate system, consequences of climate change and most of all the causes and consequences of global warming which are the burning topic/problems of the present times.

### COURSE OUTCOMES

## GEOGRAPHY GENERAL (CC, GE)

COURSE CODE	COURSE NAME	COURSE OUTCOMES
<b>SEMESTER – I</b>		
GEO-G-CC-1-01	Physical Geography	<p><b>KNOWLEDGE GAINED:</b></p> <ul style="list-style-type: none"> <li>• Study landforms and the related processes from the traditional concept to the contemporary development in Geomorphology</li> <li>• Gain in-depth knowledge on the influence of various types of rocks on the development and evolution of the landforms; hydrologic characteristics of an open channel flow that produce erosional and depositional landforms; form process interaction in the landform development and some modern methods of geomorphic analysis of the landforms through the concept of geomorphic threshold, geochronological methods and extreme events and equilibrium</li> </ul> <p><b>SKILL GAINED:</b></p> <ul style="list-style-type: none"> <li>• The skill for understanding the landform in a systematic way</li> </ul> <p><b>COMPETENCY DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>• To cope up with continuous progress in geomorphology</li> </ul>
<b>SEMESTER – II</b>		
GEO-G-CC-2-02	Environmental Geography	<p><b>KNOWLEDGE GAINED:</b></p> <ul style="list-style-type: none"> <li>• understand the physical basis of the natural greenhouse effect, including the meaning of the term radiative forcing</li> </ul> <p><b>SKILLS GAINED:</b></p> <ul style="list-style-type: none"> <li>• demonstrate an awareness of the difficulties involved in the detection of any unusual global warming ‘signal’ above the ‘background noise’ of natural variability in the Earth's climate and of attributing (in whole or in part) any such signal to human activity</li> </ul>

		<p><b>COMPETENCY DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>• know something of the way various human activities are increasing emissions of the natural greenhouse gases, and are also contributing to sulphate aerosols in the troposphere</li> </ul>
<b>SEMESTER – III</b>		
GEO-G-CC-3-03	Human Geography	<p><b>KNOWLEDGE GAINED:</b></p> <ul style="list-style-type: none"> <li>• You have advanced empirical and theoretical knowledge within one or more of the following areas: Urban Studies and Planning, Climate Change Adaptation and Social Transformations, Development and Politics, and Economic and Labour Geography.</li> </ul> <p><b>SKILL DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>• formulate precise research questions, develop a good research design and structure sound argumentation in the analysis of specific issues.</li> <li>• apply scientific methods and tools to the analysis of empirical and theoretical problems and contribute to their understanding and solution.</li> <li>• conduct an independent and clearly delineated piece of research in line with academic and methodological standards and ethical guidelines.</li> </ul> <p><b>COMPETENCY DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>• Communicate research effectively to other experts and the general</li> <li>• Systematically and analytically acquire and communicate new knowledge.</li> <li>• Independently assess and reflect upon the methodological, ethical and practical challenges of research.</li> <li>• Initiate and provide constructive input to professional development activities.</li> <li>• Independently conduct focused research projects.</li> </ul>
<b>SEMESTER – IV</b>		
GEO-G-CC-4-04	Cartography	<p><b>KNOWLEDGE GAINED:</b></p> <ul style="list-style-type: none"> <li>• Gain knowledge in theoretical concept, derivation and plotting of Gall’s Stereographic Projection, Mercator’s Projection, Mollweide’s Projection, Simple Conical Projection with two Standard Parallels, Conical Equal Projection with one Standard Parallels, Conical Equal Area Projection with two Standard Parallels, Conical Orthomorphic Projection with one Standard Parallel, Interrupted Sinusoidal Projection and UTM Projection</li> </ul> <p><b>SKILLS GAINED:</b></p> <ul style="list-style-type: none"> <li>• Acquire knowledge and clear concepts of the different types of map projection</li> </ul> <p><b>COMPETENCY DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>• Acquire knowledge of applicability of different projections Surveying</li> </ul>
<b>SEMESTER – V</b>		
GEO-G-DSE-A-5-01	Regional Development	<p><b>KNOWLEDGE GAINED:</b></p> <ul style="list-style-type: none"> <li>• Concepts of region, regionalization and regional planning; theories on recent development; concept on inequality and regional disparity</li> </ul> <p><b>SKILLS GAINED:</b></p> <ul style="list-style-type: none"> <li>• Delineation of formal and functional region • Identity the best measures of inequality and various indicators of regional development</li> </ul> <p><b>COMPETENCY DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>• Analyze the interstate imbalance in India with respect to various indicators of 16 development</li> <li>• Ability to prepare plans for development in backward region and backward group</li> </ul>
GEO-G-SEC-A-	Coastal Manage	<p><b>KNOWLEDGE GAINED:</b></p> <ul style="list-style-type: none"> <li>• possess knowledge of the core scientific subjects within the field of management of coastal</li> </ul>



3/5-01	ment	<p>and marine regions and resources, as well as its main past, current and future challenges, conflicts, issues and problems.</p> <p><b>SKILLS GAINED:</b></p> <ul style="list-style-type: none"> <li>• have adopted skills for selecting and applying relevant key instruments in the field of coastal and marine management <input type="checkbox"/></li> </ul> <p><b>COMPETENCY DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>• can initiate and lead projects within the field of management of coastal and marine environment and natural resources, and be responsible for the work of individuals and groups</li> </ul>
<b>SEMESTER – VI</b>		
GEO-G-SEC-B-4/6-04	Sustainable Development	<p><b>KNOWLEDGE GAINED:</b></p> <ul style="list-style-type: none"> <li>• a main role has been attributed to education and educational practices, which are the most relevant means for enhancing specific learning outcomes for sustainable development</li> </ul> <p><b>SKILL DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>• Develop a sense of identity and belonging to their local, national, regional and global community.</li> </ul> <p><b>COMPETENCY DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>• Develop a future-oriented perspective that highlights the significance of their decisions, choices and actions on the quality of life of present and future generations.</li> </ul>
GEO-G-DSE-B-6-04	Population Geography	<p><b>KNOWLEDGE GAINED:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Acquire clear concepts of population geography and demographic studies</li> <li><input type="checkbox"/> Greater understanding of nature, scope and evolution of population geography through spatial and temporal frameworks; population dynamics; world population and development with special reference to India.</li> </ul> <p><b>SKILLS GAINED:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Acquiring, handling and analyzing population data both at the grassroots level and secondary sources</li> <li><input type="checkbox"/> Assessment of vital statistics of population data</li> </ul> <p><b>COMPETENCY DEVELOPED:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Acquire and interweave theoretical foundation for addressing research issues related to population dynamics in the real world</li> <li><input type="checkbox"/> Assess resource management vis-à-vis population growth in the local and national context.</li> </ul>