### P.N.DAS COLLEGE

### **Department of Geography**

### **COURSE & PROGRAM OUTCOMESOF**

#### GEOGRAPHY HONOURS (B.A. & B.SC.)UNDER CBCS

Geography is the study of places and the relationships between people and their environments. Geographers explore both the physical properties of Earth's surface and the human societies spread across it. They also examine how human culture interacts with the natural environment and the way those locations and places can have an impact on people. Geography seeks to understand where things are found, why they are there, and how they develop and change over time. The study of the diverse environments, places, and spaces of Earth's surface and their interactions. It seeks to answer the questions of whythings are as they are where they are. The modern academic discipline of geography is rooted in ancient practice, concerned with the characteristics of places, in particular their natural environments and peoples, as well as the relations between the two.

#### Distribution of Courses across semesters for Geography Honours (B.A./B.Sc.)

| Semester | Course | CourseCode | Title                   | Credit | Marks | Remarks                   |
|----------|--------|------------|-------------------------|--------|-------|---------------------------|
|          |        | GEOACOR01T | Geotectonics and        | 04     | 50    | Compulsory                |
|          | Core   |            | Geomorphology           |        |       |                           |
|          |        | GEOACOR01P | Geotectonics and        | 02     | 25    | Compulsory                |
|          |        |            | Geomorphology (Lab)     |        |       |                           |
|          |        | GEOACOR02T | Cartographic Techniques | 04     | 50    | Compulsory                |
|          | Core   | GEOACOR02P | Cartographic Techniques | 02     | 25    | Compulsory                |
|          |        |            | (lab)                   |        |       |                           |
|          |        |            |                         |        |       | One course of a subject   |
| I        |        |            |                         |        |       | (Eg. A) chosenfromthe     |
|          | GE     | XXXHGEC01T |                         | 06     | 75    | list of subjects given in |
|          |        |            |                         |        |       | section 1.3               |
|          | AECC   | ENGSAEC01M | Communicative           | 02     | 25    | Compulsory                |
|          |        |            | English                 |        |       |                           |
|          | Core   | GEOACOR03T | Human Geography         | 06     | 75    | Compulsory                |
|          |        | GEOACOR04T | Cartograms and Thematic | 04     | 50    | Compulsory                |
|          |        |            | Mapping                 |        |       |                           |
|          | Core   |            | Cartograms and Thematic |        |       | Compulsory                |
|          |        | GEOACOR04P | Mapping                 | 02     | 25    |                           |

|     |      |            | (Lab)                 |    |    |                          |
|-----|------|------------|-----------------------|----|----|--------------------------|
| II  |      |            |                       |    |    | Second course of the     |
|     | GE   | XXXHGEC02T |                       | 06 | 75 | same subject(A) taken as |
|     |      |            |                       |    |    | XXXHGEC01T               |
|     | AECC | ENVSAEC02T | Environment Studies   | 02 | 25 | Compulsory               |
|     | Core | GEOACOR05T | Climatology           | 04 | 50 |                          |
|     |      | GEOACOR05P | Climatology (Lab)     | 02 | 25 |                          |
|     | Core | GEOACOR06T | Geography of India    | 06 | 75 |                          |
|     |      | GEOACOR07T | Statistical Methodsin | 04 | 50 | Compulsory               |
|     |      |            | Geography             |    |    |                          |
|     | Core | GEOACOR07P | Statistical Methodsin | 02 | 25 |                          |
| III |      |            | Geography Lab         |    |    |                          |
|     |      |            |                       |    |    | One course of a subject  |
|     |      |            |                       |    |    | (Eg. B) chosenfromthe    |
|     | GE   | XXXHGEC03T |                       | 06 | 75 | list ofsubjectsgivenin   |
|     |      |            |                       |    |    | section 1.3              |
|     | SEC  | GEOSSEC01M | Remote Sensing        | 02 | 25 | Compulsory               |

|    |      |            | Regional Planning and   |    |    |                        |
|----|------|------------|-------------------------|----|----|------------------------|
|    | Core | GEOACOR08T | Development             | 06 | 75 | Compulsory             |
|    | Core | GEOACOR09T | Economic Geography      | 06 | 75 | Compulsory             |
|    |      | GEOACOR10T | Environmental           | 04 | 50 |                        |
|    | Core |            | Geography               |    |    | Compulsory             |
|    |      | GEOACOR10P | Environmental           | 02 | 25 |                        |
|    |      |            | Geography (Lab)         |    |    |                        |
| IV |      |            |                         |    |    | Second course of the   |
|    | GE   | XXXAGEC04T |                         | 06 | 75 | same subject           |
|    |      |            |                         |    |    | (B) taken as           |
|    |      |            |                         |    |    | XXXHGEC03T             |
|    | SEC  | GEOSSEC02M | Advanced Spatial        | 02 | 25 | Compulsory             |
|    |      |            | Statistical Techniques  |    |    |                        |
|    |      |            | Field Work and          |    |    |                        |
|    |      | GEOACOR11T | Research                | 04 | 50 |                        |
|    | Core |            | Methodology             |    |    | Compulsory             |
|    |      |            | Field Work and Research |    |    |                        |
|    |      | GEOACOR11P | Methodology (Lab)       | 02 | 25 |                        |
|    |      | GEOACOR12T | Remote Sensing and      | 04 | 50 |                        |
|    | Core |            | GIS                     |    |    | Compulsory             |
|    |      | GEOACOR12P | Remote Sensing and      | 02 | 25 |                        |
| V  |      |            | GIS (Lab)               |    |    |                        |
|    | DSE  | GEOADSE01T | Soil and                | 06 | 75 | Compulsory             |
|    |      |            | Biogeography            |    |    |                        |
|    |      | GEOADSE02T | Settlement              | 06 | 75 | Students to choose any |
|    | DSE  |            | Geography               |    |    | one of the two courses |
|    |      | GEOADSE03T | Population              | 06 | 75 | (02T or03T)            |
|    |      |            | Geography               |    |    |                        |
|    |      |            | Evolution of            |    |    |                        |
|    | Core | GEOACOR13T | Geographical            | 06 | 75 | Compulsory             |
|    |      |            | Thought                 |    |    |                        |
|    |      | GEOACOR14T | Disaster                | 04 | 50 | Compulsory             |
|    | Core |            | Management              |    |    |                        |
|    |      | GEOACOR14P | Disaster                | 02 | 25 | Compulsory             |
| VI |      |            | Management (Lab)        |    |    |                        |
|    | DSE  | GEOADSE04T | Hydrology and           | 06 | 75 | Compulsory             |
|    |      |            | Oceanography            |    |    |                        |
|    |      | GEOADSE05T | Social Geography        | 06 | 75 | Students to choose any |
|    | DSE  | GEOADSE06T | Resource Geography      | 06 | 75 | one of the two courses |
|    |      |            |                         |    |    | (05T or                |
|    |      |            |                         |    |    | 06T)                   |

## Distribution of Courses across semesters for Geography General (B.A./B.Sc.)

| Semester | Course        | Course Code | Title               | Credit | Marks | Remarks         |
|----------|---------------|-------------|---------------------|--------|-------|-----------------|
|          |               |             | Physical            |        |       | From            |
| I        | Core (DSC 1A) | GEOGCOR01T  | Geography           | 06     | 75    | Geography       |
|          |               |             |                     |        |       | Subject 2 apart |
|          | Core (DSC 2A) | XXXGCOR01T  |                     | 06     | 75    | from Geography  |
|          |               |             |                     |        |       | Subject 3 apart |
|          | Core (DSC 3A) | XXXGCOR01T  |                     | 06     | 75    | from Geography  |
|          | AECC          | ENGSAEC01M  | Communicative       | 02     | 25    | Shared course   |
|          |               |             | English             |        |       |                 |
|          |               |             | Human               |        |       | From            |
| II       | Core (DSC 1B) | GEOGCOR02T  | Geography           | 06     | 75    | Geography       |
|          |               |             |                     |        |       | Subject 2 apart |
|          | Core (DSC 2B) | XXXGCOR02T  |                     | 06     | 75    | from Geography  |
|          |               |             |                     |        |       | Subject 3 apart |
|          | Core (DSC 3B) | XXXGCOR02T  |                     | 06     | 75    | from Geography  |
|          | AECC          | ENVSAEC02T  | Environment Studies | 02     | 25    | Shared course   |
| III      | Core (DSC 1C) | GEOGCOR03T  | General             | 04     | 50    | From            |
|          |               |             | Cartography         |        |       | Geography       |
|          |               |             | General Cartography |        |       |                 |
|          |               | GEOGCOR03P  | (Lab)               | 02     | 25    |                 |
|          |               |             |                     |        |       | Subject 2 apart |
|          | Core (DSC 2C) | XXXGCOR03T  |                     | 04     | 50    | from Geography  |
|          |               |             |                     |        |       | Subject 3 apart |
|          | Core (DSC 3C) | XXXGCOR03T  |                     | 06     | 75    | from Geography  |
|          |               |             |                     |        |       | Shared course   |
|          | SEC1          | XXXSSEC01M  | Remote Sensing      | 02     | 25    |                 |

|    |               |            | Environmental       |    |    | From          |
|----|---------------|------------|---------------------|----|----|---------------|
| IV | Core (DSC 1D) | GEOGCOR04T | Geography           | 06 | 75 | Geography     |
|    | Core (DSC 2D) |            |                     |    |    | Subject 2     |
|    |               | XXXGCOR04T |                     | 06 | 75 | apart from    |
|    |               |            |                     |    |    | Geography     |
|    |               |            |                     |    |    | Subject 3     |
|    | Core (DSC 3D  | XXXGCOR04T |                     | 06 | 75 | apartfrom     |
|    |               |            |                     |    |    | Geography     |
|    |               |            | Advanced Spatial    |    |    | Shared course |
|    | SEC2          | XXXSSEC02M | Statistical         | 06 | 75 |               |
|    |               |            | Techniques          |    |    |               |
|    |               | GEOGDSE01T | A. Soil and         |    |    | Any one       |
|    |               |            | Biogeography        |    |    | course among  |
|    |               | GEOGDSE02T | B. Regional         |    |    | A, B and C    |
|    | DSE1A         |            | Development         |    |    | from          |
|    |               | GEOGDSE03T | C. Disaster         |    |    | Geography     |
|    |               |            | Management          |    |    |               |
|    |               |            |                     |    |    | Subject 2     |
|    | DSE2A         | XXXGDSE01T |                     |    |    | apart from    |
| V  |               |            |                     |    |    | Geography     |
|    |               |            |                     |    |    | Subject 3     |
|    | DSE3A         | XXXGDSE01T |                     |    |    | apart from    |
|    |               |            |                     |    |    | Geography     |
|    |               |            |                     |    |    | Shared course |
|    | SEC3          |            |                     |    |    |               |
|    |               |            | Project Report      |    |    | Compulsory    |
|    | DSE1B         | GEOGDSE04P | Based on Field Work | 06 | 75 | from          |
|    |               |            |                     |    |    | Geography     |
|    |               |            |                     |    |    | Subject 2     |
|    | DSE2B         | XXXGDSE01T |                     | 02 | 25 | apart from    |
| VI |               |            |                     |    |    | Geography     |
|    |               |            |                     |    |    | Subject 3     |
|    | DSE3B         | XXXGDSE01T |                     | 06 | 75 | apart from    |
|    |               |            |                     |    |    | Geography     |
|    | SEC3          |            |                     | 06 | 75 | Shared        |
|    |               |            |                     |    |    | course        |

## **COURSE OUTCOMES**

The course outcomes of the different papers offered are presented below. After completion of the course the student will be able to:

| Course Title                   | Course Outcomes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Geotectonics and Geomorphology | <ul> <li>Course Outcomes</li> <li>Understand the theories and fundamental concepts of Geotectonic and Geomorphology. Understand earth's tectonic and structural evolution. Gain knowledge about earth's interior. Develop an idea about concept of plate tectonics, and resultant landforms.</li> <li>Acquire knowledge about types of folds and faults and earthquakes, volcanoes and associated landforms.</li> <li>Understanding crustal mobility and tectonics; with special emphasis on their role in landform development.</li> <li>Overview and critical appraisal of landform development models.</li> <li>Ablity to record temperature, pressure, humidity and rainfall</li> <li>Develop the skills of identification of features and</li> </ul> |
| Cartographic                   | <ul> <li>correlation between them.</li> <li>Do field surveys using appropriate techniques.</li> <li>Identification of rocks and minerals.</li> <li>Understand and prepare different kinds of maps.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Techniques                     | <ul> <li>Recognize basic themes of map making.</li> <li>Development of observation skills.</li> <li>Gain knowledge about major themes of human</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Human Geography                | <ul> <li>Geography.</li> <li>Acquire knowledge on the history and evolution of humans.</li> <li>Understand the approaches and processes of Human Geography as well as the diverse patterns of habitat and adaptations.</li> <li>Develop an idea about space and society</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

| Thematic Mapping and Surveying | <ul> <li>Comprehend the concept of scales and representation of data through cartograms.</li> <li>Interpret geological and weather maps.</li> <li>Learn the usages of survey instruments.</li> <li>Brings direct interaction of different types of surveying instruments like Dumpy level and Theodolite with environment.</li> <li>Develop an idea about different types of thematic mapping techniques.</li> </ul>                                                                                                                                                                                                                                                                                                  |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Climatology                    | <ul> <li>Understand the elements of weather and climate, different atmospheric phenomena and climate change.</li> <li>Learn to associate climate with other environmentaland human issues. Approaches to climate classification.</li> <li>To analyze the dynamics of the Earth's atmosphere and global climate. Assessing the role of man in global climate change.</li> <li>Prepare various climatic maps and charts and interpret them.</li> <li>Learn to use of various meteorological instruments.</li> <li>Learn the interaction between the atmosphere and the earth's surface. Understand the importance of the atmospheric pressure and winds.</li> <li>Understand how atmospheric moisture works.</li> </ul> |
| Hydrology and<br>Oceanography  | <ul> <li>Analyse the concepts of Hydrology and Oceanography</li> <li>Emphasizing the significance of groundwater quality and its circulation</li> <li>Evaluate the role of the global hydrological cycle.</li> <li>Studying the behavior and characteristics of the global oceans.</li> <li>Realize the importance of water conservation.</li> <li>Identify marine resources and characteristics of ocean waters.</li> <li>Interpret hydrological and rainfall dispersion graphs and diagrams.</li> </ul>                                                                                                                                                                                                             |

| Statistical Methods in Geography        | <ul> <li>e Learn the significance of statistics in geography.</li> <li>Understand the importance of use of data in geography</li> <li>Recognize the importance and application of Statistics in Geography</li> <li>Interpret statistical data for a holistic understanding of geographical phenomena.</li> <li>Know about different types of sampling.</li> <li>Develop an idea about theoretical distribution.</li> <li>Learn to use tabulation of data.</li> <li>Gain knowledge about association and correlation.</li> </ul> |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Economic<br>Geography                   | □ Understand the concept of economic activity, factors affecting location of economic activity. Gain knowledge about different types of Economic activities □ Assess the significance of Economic Geography, the concept of economic man and theories of choice. □ Analyze the factors of location of agriculture and industries. □ Understand the evolution of varied types of economic activities. □ Map and interpret data on production, economic indices, transport network and flows.                                     |
| Regional Planning<br>and<br>Development | <ul> <li>□ Understand and identify regions as an integral part of geographical study.</li> <li>□ Appreciate the varied aspects of development and regional disparity, in order to formulate measures of balanced development.</li> <li>□ Analyzing the concept of regions and regionalization.</li> <li>□ Studying typical physiographic, planning, arid and biotic regions of India. Understanding the detailed geography of India.</li> </ul>                                                                                 |

| Regional Planning andDevelopment | <ul> <li>Gain knowledge about definition of region, evolution and types of regional planning. Develop an idea about choice of a region for planning.</li> <li>Build an idea about theories and models for regional planning. Know about measuring development indicators.</li> <li>They can know about delineation of formal regions by weighted index method and also delineation of functional regions by breaking point analysis.</li> <li>Gain knowledge about measuring inequality by</li> </ul>                                                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Soil and<br>Biogeography         | Location Quotient, and also measuring regional disparity by Sopher Index  Have knowledge about the character and profile of different soil types.  Understand the impact of man as an active agent of soil transformation, erosion and degradation.  Recognize land capability and classify it.  Explaining the Pedological and Edaphological Approaches to Soil Studies - Processes of soil formation, types of soil, and principles of soil and land classification; and management.  Understand the varied ecosystems and classify them.  Recognize the significance of biogeochemical cycles and biodiversity. |
| Rural<br>Development             | <ul> <li>Comprehend the devastating impact of deforestation.</li> <li>Identify soil types and derive their pH.</li> <li>Rural Development: Concept, basic elements, measures of level of rural development [5]</li> <li>Paradigms of rural development: Gandhian approach to rural development Lewis model of economic development 'big push' theory of development, Myrdal's model of 'spread and backwash effects' [10]</li> <li>Area based approach to rural development: Drought prone area programmes, PMGSY, SJSY, MNREGA, Jan Dhan Yojana [10]</li> </ul>                                                   |

|                                          | Rural Governance: Panchayati Raj System and rural                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                          | development policies and Programmes in India [5]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Research<br>Methodology and<br>Fieldwork | <ul> <li>Have expertise in identification of area of study, methodology, quantitative and quantitative analysis, and conclusions to be drawn about the area – fundamental to geographical research.</li> <li>Handle logistics and other emergencies on field.</li> <li>Develop skills in photography, mapping and video recording.</li> </ul>                                                                                                                                                                                                                                                                      |
| Remote Sensing, GIS and GNSS             | Have knowledge of the principles of remote sensing, sensor resolutions and image referencing schemes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                          | <ul> <li>Interpret satellite imagery and understand the preparation of false color composites from them.</li> <li>Training in the use Geographic Information System (GIS) software for contemporary mapping skills.</li> <li>Analyzing and interpreting remotely sensed satellite images and aerial photographs in order to understand topographical and cultural variations on the Earth's surface.</li> <li>Conducting field excursions and preparation of field report on research on problem in different areas of India</li> <li>Apply GIS to the preparation of thematic maps.</li> <li>Use GNSS.</li> </ul> |

| Evolution of Geographical Thought | <ul> <li>Perceive the evolution of the philosophy of Geography.</li> <li>Appreciate the contribution of the thinkers in Geography.</li> <li>Give power point presentations on different schools of geographical thought.</li> <li>Discussing the evolution of geographical thought from ancient to modern times.</li> <li>Establishing relationship of Geography with other disciplines and man-environment relationships.</li> <li>Analyzing modern and contemporary principles of Empiricism, Positivism, Structuralism, Human and Behavioral Approaches in Geography</li> </ul> |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard<br>Management              | <ul> <li>Understand the nature of hazards and disasters.</li> <li>Assess risk, perception and vulnerability with respect to hazards.</li> <li>Prepare hazard zonation maps.</li> <li>Assessing the nature, impact and management of major natural and man-made hazards affecting the Indian subcontinent.</li> </ul>                                                                                                                                                                                                                                                               |

# **COURSE OUTCOMES**

## [DISCIPLINE SPECIFIC ELECTIVES]

| Course Title       |
|--------------------|
| Resource Geography |

|              | Understand the scope and content of cultural geography                                  |
|--------------|-----------------------------------------------------------------------------------------|
|              | Trace the development of cultural geography in relation to allied                       |
|              | disciplines                                                                             |
|              | <ul> <li>Understand the concept of cultural hearth and realm, cultural</li> </ul>       |
|              | diffusion, diffusion of religion                                                        |
|              | Develop an understanding of cultural segregation and cultural                           |
|              | diversity, technology and development                                                   |
|              | <ul> <li>Learn about the various races and racial groups of the world</li> </ul>        |
|              | Identify the cultural regions of India                                                  |
|              | Acquire knowledge about Rural settlements- Definition, nature                           |
|              | and characteristics                                                                     |
|              | <ul> <li>Analyze the morphology of rural settlements</li> </ul>                         |
| Cultural and | <ul> <li>Learn the rural house types, census categories of rural settlements</li> </ul> |
| Settlement   | and idea of social segregation                                                          |
| Geography    | <ul> <li>Learn the census definition and categories of urban</li> </ul>                 |
|              | settlements                                                                             |
|              | <ul> <li>Analyze the urban morphology models of Burgess, Hoyt, Harris</li> </ul>        |
|              | and Ullman                                                                              |
|              | Differentiate between city-region and conurbation                                       |
|              | Analyze the functional classification of cities                                         |
|              | Develop the skill of mapping language distribution of India                             |
|              | Learn to plot proportional squares to illustrate housing                                |
|              | distribution                                                                            |
|              | Acquire the skill of identifying rural settlement types from                            |
|              | topographical sheet                                                                     |
|              | <ul> <li>Understand Social Area Analysis of a city based on Shevky and</li> </ul>       |
|              | Bell                                                                                    |
|              |                                                                                         |
|              |                                                                                         |

| Urban Geography | Understand the nature, scope, approaches and recent trends in        |
|-----------------|----------------------------------------------------------------------|
|                 | Urban Geography                                                      |
|                 | Temporal analysis of urban growth using census data                  |
|                 | Trace the origin of urban places over time and analyze the           |
|                 | factors, stages and characteristics of these places                  |
|                 | Analyze the theories of urban evolution and growth,                  |
|                 | Hierarchy of urban settlements                                       |
|                 | • Understand the various aspects of urban place : location, site and |
|                 | situation; Rank-size rule and Law of primate city                    |
|                 | Understand the concept of urban hierarchies                          |
|                 | Understand the patterns of urbanization in developed and             |
|                 | developing countries                                                 |
|                 | Understand the ecological processes of urban growth; urban           |
|                 | fringe; city-region                                                  |
|                 | Analyze the models on city structure                                 |
|                 | Identify and analyze the problems of housing, slums and civic        |
|                 | amenities                                                            |
|                 | Understand the patterns and trends of urbanization in India          |
|                 | Assess the policies on urbanization in post-liberalized India        |
|                 | Study the changing land use of Delhi, Kolkata and Chandigarh         |
|                 | Learn the technique to plot Rank-Size Rule and establish a           |
|                 | hierarchy of urban settlements                                       |
|                 | Assess state-wise variation and trends of urbanization               |
|                 | Learn to analyze census data to measure urban growth                 |
|                 | Develop a skill to prepare urban land use map from satellite         |
|                 | images                                                               |
| 1               | 1                                                                    |

### PROGRAMME SPECIFIC OUTCOMES

## ( **PSO**)

- o PSO 1 Student will gain the knowledge of physical geography. They will gather knowledge about the fundamental concepts of Geography and will have a general understanding about the geomorphologic and geotectonic process and formation. Imbibing knowledge, skills and holistic understanding of the Earth, atmosphere, oceans and the planet through analysis of landform development; crustal mobility and tectonics, climate change.
- o PSO 2 Associating landforms with structure and process; establishing man-environment relationships; and exploring the place and role of Geography vis-a-sis other social and earth sciences. Students can easily correlate the knowledge of physical geography with the human geography. They will analyze the problems of physical as well as cultural environments of both rural and urban areas. Moreover they will try to find out the possible measures to solve those problems
- o PSO 3 Understanding the functioning of global economies, geopolitics, global geostrategic views and functioning of political systems
- PSO 4 Developing a sustainable approach towards the ecosystem and the biosphere with a view to conserve natural systems and maintain ecological balance.
- o PSO 5 –The physical environment, human societies and local and/or global economic systems are integrated to the principles of sustainable development
- o PSO 6 Inculcating a tolerant mindset and attitude towards the vast socio-cultural diversity of India by studying and discussing contemporary concepts of social and cultural geography. Explaining and analyzing the regional diversity of India through interpretation of natural and planning regions.
- o PSO 7 Analyzing the differential patterns of the human habitation of the Earth, through studies of human settlements and population dynamics. Understanding and accounting for regional disparities, poverty, unemployment and the impacts of globalization
- o PSO 8 Understanding the history of the subject; over viewing ancient and contemporary geographical thought and its relationship with modern concepts of empiricism, positivism, radicalism, behaviouralism, idealism etc.
- o PSO 9 Sensitization and awareness about the hazards and disasters to which the subcontinent is

vulnerable; and their management.

- PSO 10 As a student of the Course they will enrich their observation power through field experience and in future this will be helpful for identifying the socio- environmental problems of their community.
- o PSO 11 Training in practical techniques of mapping, cartography, software, interpretation of maps, photographs and images etc; so as to understand the spatial variation of phenomena on the Earth's surface. They will learn how to prepare map based on GIS by using the modern geographical map making techniques.