

DEPARTMENT OF GEOGRAPHY

Programme Specific Outcomes:-

- 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.
- 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
- Developing a sustainable approach towards the ecosystem and the biosphere with a view to conserve natural systems and maintain ecological balance.
- The physical environment, human societies and local and/or global economic systems are integrated to the principles of sustainable development
- Inculcating a tolerant mindset and attitude towards the vast socio-cultural diversity of India by studying and discussing contemporary concepts of Human geography. Explaining and analyzing the regional diversity of India through interpretation of natural and planning regions.
- Analyzing the differential patterns of the human habitation of the Earth, through studies of human settlements and population dynamics.
- Sensitization and awareness about the hazards and disasters to which the subcontinent is vulnerable; and their management.
- As a student of the Course they will enrich their observation power through questionnaire preparation and in future this will be helpful for them for conducting any kind of survey
- Training in practical techniques of computer basics will help them to present any data in systematic format and expressions.
- Recognition and use of equipment and instruments.

- Improving research abilities.
- To make students competitive in pursuing higher studies.

Following are the course outcome of the different paper presented below:

Course code	Course Title	Credit	Course outcome
Geo/G/CC/T/01	Geo tectonics and Geomorphology	4	<ul style="list-style-type: none"> • 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. • Acquire knowledge about types of folds and faults and earthquakes, volcanoes and associated landforms. • Understanding crustal mobility and tectonics; with special emphasis on their role in landform development. • Overview and critical appraisal of landform development models. • Study landforms and related processes from the traditional concept to the

			contemporary development in Geomorphology.
Geo/G/CC/P/01	Scale and Cartography	2	<ul style="list-style-type: none"> • Understand and prepare different kinds of scales. • Understand the map projection. • Development of the skill to draw projection. • Understand skill of drawing topographical maps. • Understand the conventional symbol. • Learning and interpretation of the topographical map
Geo/G/CC/T/02	Climatology, Soil and Biogeography	4	<ul style="list-style-type: none"> • Understand the elements of weather and climate, different atmospheric phenomena and climate change. • Learn to associate climate with other environmental and human issues. Approaches to climate classification. • To analyze the dynamics of the Earth's atmosphere and global climate. Assessing the role of man in global climate change. • 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.

			<ul style="list-style-type: none"> Recognize the significance of biogeochemical cycles and biodiversity.
Geo/G/CC/P/02	Surveying and Leveling	2	<ul style="list-style-type: none"> Gain knowledge about surveying Understand the uses of surveying Instruments
Geo/G/CC/T/03	Human Geography	4	<ul style="list-style-type: none"> Gain knowledge about major themes of human Geography. Acquire knowledge on the history and evolution of humans. Studies of races of man kinds. Evaluate the cultural realms. Understand the approaches and processes of Human Geography as well as the diverse patterns of habitat and adaptations.
Geo/G/CC/P/03	Map Projection and Map Interpretation	2	<ul style="list-style-type: none"> Understanding of map creation Knowledge of Topographical Map
Geo/G/SEC/P/01/A Or Geo/G/SEC/P/01/B	Computer Basics or Remote Sensing	2	<ul style="list-style-type: none"> Students will learn basic concept on computer Attainment of knowledge on numeric and binary number system in computer technology Microsoft excels, PowerPoint, Word etc of computer applications will be more helpful for representation of different geographical concept. <p>Or</p> <ul style="list-style-type: none"> Have knowledge of the principles of remote sensing, sensor resolutions and image referencing schemes. Interpret satellite imagery

			<p>and understand the preparation of false color composites from them.</p> <ul style="list-style-type: none"> • Training in the use Geographic Information System (GIS) software for contemporary mapping skills.
Geo/G/CC/T/04	Environmental Geography	4	<ul style="list-style-type: none"> • Understand the components of environment. • Evaluate the functions of ecosystem. • Know causes and effects of pollution. • Understand how to induced changes in environment. Understand
Geo/G/CC/P/04	Field Work	2	<ul style="list-style-type: none"> • Knowledge of questionnaire formation • Concept of different mapping
Geo/G/SEC/P/02/A Or Geo/G/SEC/P/02/B	Advance Spatial Statistical Techniques OR Field Work	2	<ul style="list-style-type: none"> • Understand the concept of different advance spatial statistical techniques to analyze geographical data. • Develop skills on application of different techniques for analyzing geographical data for better evaluation and decision making. • Computer based statistical software will be more helpful for computing, analyzing data and its interpretation also. • Students will be able to make out about different aspect of statistical techniques which will be more helpful for socio economic data analysis <p>OR</p> <ul style="list-style-type: none"> • Handle logistics and other emergencies on field. • Develop skills in

			photography, mapping and video recording.
Geo/G/DSE/T/01/A Or Geo/G/DSE/T/01/B	Geography of India Or Economic Geography	6	<ul style="list-style-type: none"> • Understand the location and physical features of India. • Understand the diversity of population and distribution. • Evaluate the economy and agricultural development in India. • Learning the industrial development and industrial technology. <p>OR</p> <ul style="list-style-type: none"> • 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.
Geo/G/GE/T/01	Disaster Management	6	<ul style="list-style-type: none"> • Understand the nature of hazards and disasters. • Assess risk, perception and vulnerability with respect to hazards. • Prepare hazard zonation maps. • Assessing the nature, impact and management of major natural and man-made hazards affecting the Indian subcontinent.
Geo/G/SEC/P/03/A Or Geo/G/SEC/P/03/B	Field Technique and Survey Based Project Work Or	2	<ul style="list-style-type: none"> • Understanding of surveying • Gain Skills to Analyse data

	Collection Mapping and Interpretation of Climatic Data		Or <ul style="list-style-type: none"> Analyse the climatic data Climatic chart preparation
Geo/G/DSE/T/02/A Or Geo/G/DSE/T/02/B	Disaster Management Or Geography of Tourism	6	<ul style="list-style-type: none"> Understand the nature of hazards and disasters. Assess risk, perception and vulnerability with respect to hazards. Prepare hazard zonation maps. Assessing the nature, impact and management of major natural and man-made hazards affecting the Indian subcontinent. Or <ul style="list-style-type: none"> Knowledge about tourism Gain the knowledge to Assess the tourism prospect of certain places Knowledge of tourism circuits of India
Geo/G/GE/T/02	Sustainable Development	6	<ul style="list-style-type: none"> Understand the Concept of sustainability. Know about Environmental sustainability measures.
Geo/G/SEC/P/04/A Or Geo/G/SEC/P/04/B	Collection, Mapping and Interpretation of Pedological Data Or Rocks and Minerals and Their Magascopic Identification	2	<ul style="list-style-type: none"> Understanding of Pedological data. Knowledge of soil mapping Or <ul style="list-style-type: none"> Identification of rock Understanding rock forming process.