

## **Course and Program outcome.**

**Of**

### **M.Sc Geography**

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 why Things 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.


#### **Course Outcomes –**

##### **1. Geomorphology –**

1. To understand the development of geomorphic thought Throughout the time with a review of fundamental concepts of Geomorphology.
2. To look into the evolution of continents and ocean basins with Continental drift theory.
3. To know the endogenetic and exogenetic forces controlling Landform development with special reference to the denudational Processes.
4. To see the mountain building activities through different Theories.

##### **2. Climatology –**

1. To distinguish the weather and climate with an understanding of Structure and composition of Atmosphere;
2. To understand the variations of weather systems in terms of Stability and Instability of atmosphere;
3. To enable the students to understand the vertical and horizontal Distribution of atmospheric air;
4. To get complete information about Atmospheric Disturbances in Terms of cyclones and anti-cyclones;
5. To know the significance of synoptic Climatology in pollution Studies and navigation

  
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### **3. Economic Geography –**

1. To understand the concepts and basis of economic processes
2. To get acquainted with theories and models in economic Geography
3. To get comprehensive knowledge of World energy resources, Situation and distribution
4. To know about the Nature, scope and Principles of Industrial Geography
5. To understand transport and Trade policies of country
6. To get detail knowledge of economic power determinants of Country and able to analyze the economic development of Country.

### **4. Statistical Method in Geography—**

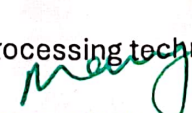
1. To understand the importance and use of statistical techniques in Geography
2. To form frequency distributions tables and graphically interpret The results.
3. To measure central tendency and dispersion of data.
4. To examine relationship between two or more variables with Correlation and regression analysis.
5. To apply comprehensive knowledge of statistics for analysis of Geographical data

### **5. Oceanography –**

1. To know about the development of methods of scientific Observation in Oceanography;
2. To understand the origin, importance and distribution of water On Earth;
3. To learn about the hydro-geological, coastal and marine Processes, landforms and resources;
4. To recognize the role of oceans to deal with the vulnerability of he dynamic earth system;
5. To comprehend about the recent trends in research in and Oceanography;

### **6. Fundamentals of Remote sensing –**

1. To understand the basic concept and principles of remote Sensing and digital image processing.
2. To understand the role of remote sensing in data Collection and analysis.
3. To know the different types of sensor and digital image Processing techniques.

  
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4. To understand the use and importance of satellite images and Aerial photographs to assess the geographical phenomena.

5. To apply the knowledge of remote sensing in various Thematic studies.

#### **7. Geography of environment –**

1. To educate students in the contents and methods of Geography Of Environment as an academic and professional discipline.

2. To understand elements of environment and acquire knowledge About biodiversity

3. To get knowledge about natural hazards and management

4. To understand the various environmental issues and policies.

#### **8. Biogeography—**

1. To understand the concepts and historical development of Biogeography

2. To get comprehensive knowledge of different classification of Animal and plants 3. To know about pattern of biogeography

4. To understand different processes in biogeography

5. To get detail knowledge about influencing factors on Biogeography.

#### **9. Settlement Geography ---**

1. To study the fundamentals of settlement geography

2. To understand the approaches to rural settlement geography; Rural services; hierarchy; morphology etc.

3. To know the concept and processes of urban settlement studies; Urban problem & their planning; concept smart cities, urban Agriculture, etc.

4. To study the theories and models of settlement geography to Understand the structure of settlements.


#### **10. Geography of India ---**

1. To understand the main regions of the India in terms of both Their uniqueness and similarities.

2. Identifying and explaining the Indian Geographical Environment, from global to local scales.

3. To generate an awareness and responsibility for the environment And India.

4. To Study the impacts of human activities on natural Environments of India.

  
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### **11. Research Methodology –**

1. To develop skill to identify the objectives and significance of Research in geography
2. Prepare schedule and questionnaire in geography;
3. Collect data of physical and human elements;
4. Tabulate data, formulate research design and represent data by Using most appropriate methods;
5. Effective writing, maintaining research ethics and academic Integrity;
6. Organize and carry out geographical excursion and field visits.

### **12. Agriculture Geography ---**

1. To educate students about nature, scope and significance of Agricultural geography as an academic and professional Discipline.
2. To understand the fundamental concept, crop combination, Diversification, agricultural productivity and study the Determinants of agricultural patterns.
3. To get knowledge about agricultural systems of the world.
4. To understand the agrarian revolution, socio-economic Constraints, agricultural problems and policies.

### **13. Regional Planning and Development –**

1. To understand the basic concepts in regional planning
2. To study different methods in order to compute regional Development
3. To get acquainted with theories and models for regional Development
4. To get a specialized knowledge of policies and experiences of Regional planning in India.

### **14. Geographical Thought—**

1. Acquire knowledge about the historical development of the Subject during different time scales.
2. Apprehend the place of geography in the field of science, social Science and natural science.
3. Understand all the concepts of philosophy in geography.
4. Recognize different types of dualism and find solutions to  
Terminate them by applying various types of scientific Explanations.

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### 15. Urban Geography –

1. Understand the nature, scope, approaches and recent trends in urban Geography.
2. Temporal analysis of urban growth using census data
3. Trace the origin of urban places over time and analyze the Factors, stages and characteristics of these places.
4. Analyze the theories of urban evolution and growth, Hierarchy of urban settlements .
5. Understand the various aspects of urban place : location, site and Situation; Rank-size rule and Law of primate city .
6. Understand the concept of urban hierarchies
7. Understand the patterns of urbanization in developed and Developing countries
8. Understand the ecological processes of urban growth; urban Fringe; city-region
9. Analyze the models on city structure
10. Identify and analyze the problems of housing, slums and civic

### 16. Principal and GIS Navigation ---

1. To understand the basic concepts of Geographical Information System .
2. To know various components of GIS and to learn about map Projection and coordinate system.
3. To know various Applications of GIS in various fields.
4. Students will become familiar with modern techniques of Geography.
5. Students will be prepared to apply their skills in professional Careers.

**Conclusion –** Remote sensing and GIS is the main part of our Geography subject. This is a very useful paper, students get a lot of benefits. Today, satellite launch in ISRO is also a part of our Geography. By doing a course in Geo Informatics, students can get a job with a good package.

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