

### **Paper Code: GGY-HC-2016**

#### Course objectives

- This paper is a core paper that intends to introduce students to human geography and how humankind transforms and gets transformed by geographics space.
- It seeks to develop new insights among students on the relevance of human environmental relationships and how aspatial perspectives have these relationships.

#### Course outcomes

- The paper will be useful for students in developing ideas on human-environment issues that geographers usually address in the anthropocene
- The paper will be useful for students preparing for UGC NET/SLET exams and other competitive exams including the civil services.

### **Paper Code: GGY-HC-2026**

#### Course objectives:

- This paper is a core paper that intends to introduce students to the rationale underlying climatological studies in geography
- It seeks to develop new insights among students on the relevance of climatic variables targeting on climate change.
- This paper intend to develop an understanding in the physical and human factors responsible for the distribution, conservation, and restriction of living organisms on the earth surface.

#### Course outcomes:

- The paper will be useful for students in developing ideas on climate related aspects of geographical analyses.
- The paper will help provide theoretical insights and perspectives to students if they wish to pursue a research programme in future.
- Students will develop a basic understanding of the introductory concepts in biogeography.
- The paper be very useful for students preparing for UGC NET-JRF / SLET exam and other competitive exams including civil services.

### **Paper Code: GGY-HG-2016**

#### Course objectives:

- This paper is a core paper that intends to introduce students to human geography and how humankind transforms and gets transformed by geographic space.
- It seeks to develop new insights among students on the relevance of human-environmental relationships and how a spatial perspective shapes these relationships.

#### Course outcomes:

- The paper will be useful for students in developing ideas on human-environment issues that geographers usually address in the Anthropocene.
- The paper will be useful for students preparing for various competitive examinations including the civil services.

**Paper Code: GGY-HG-2026**

Course objectives:

- To provide students an exposure to disasters, their significance and types on Spatiotemporal dimensions.
- To develop basic ability to respond to their surroundings with potential disaster response in areas where they live, with due sensitivity
- To provide information and knowledge about how disasters can be checked and managed.

Course outcomes:

- The students will be able to analyse the causes and management issues related to disasters taking place in students' own localities.
- The students will be able to differentiate the types of disasters, causes and their impact on environment and society along with various disaster management strategies and their applicability in different situations.

**Paper Code: GGY-HC-3016**

Course Objectives:

- This is a core paper that intends to introduce students to the principles of economic geography and associated patterns and processes of major economic activities in the world.
- It seeks to develop new insights among students on the relevance of economy geography and associated problems in contemporary times.

Course Outcomes:

- The paper will be useful for students in developing ideas on how geographical aspects organise economic space and will offer perspectives to students if they wish to pursue a research programme.
- The paper will be useful for students preparing for UGC NET/SLET exams and other competitive exams including the civil services.

**Paper Code: GGY-HC-3026**

Course objectives:

- This is a core paper which intends to introduce students to India as a geographical entity.
- It seeks to develop new insights among students on significant geographical dimensions of the country along with its north-eastern part.
- A field study is incorporated to make the students understand regional diversity of India with respect to its land, people and economy.

Course outcomes:

- The paper will be useful for students in developing understanding on Indian geography and its various dimensions.
- It will also be useful for students preparing for various competitive examinations including civil services.

**Paper Code: GGY-HC-3036**

## Course Objectives:

- The paper Quantitative Methods in Geography throws light on the importance of data in geography. It deals with the methods and techniques of data collection, data tabulation, data interpretation and analysis through the application of some basic statistical measures.
- This paper provides an understanding of the pure and applied nature of geography along with the key elements in the discipline.

## Course Outcomes:

- Thorough understanding of the statistical methods and techniques used in geographical studies;
- Understanding of tabulation, analysis and interpretation of geographical data.

**Paper Code: GGY-SE-3014**

## Course Objectives:

- The main objective of this course is to develop understanding among the honours students about the river basin and the functioning of its elements.
- To train the students for acquiring necessary skill for understanding geomorphology in the field.

## Course Outcomes:

- At the end of the course, the students will be able to learn use of a few instruments like rotameter, planimeter, Dumpy Level, etc.
- To learn the basics of morphometric analysis techniques.
- To acquaint with the field methods of river studies in across-section.

**Paper Code: GGY-SE-3024**

## Course Objectives:

This course on thematic cartography provides a general understanding of methods and techniques and importance in geographic study. It more particularly focuses on various themes of cartographic techniques; principles of different types of symbols, methods for preparation of maps or plan in different environment and representation of various features of the earth's surface using different cartographic techniques.

## Course outcomes:

- Understanding the importance of various techniques of preparation of maps in geographical study
- General understanding of preparation of different types of plan and maps.
- An acquaintance of different cartographic techniques for representation of various facets of earth's surface.

### **Paper Code: GGY-HG-3016**

#### Course Objectives:

- This is a generic elective paper with a view to make the students of other honours subjects understand the basic principles of economic geography and associated patterns and processes of major economic activities in the world.
- It seeks to develop insights among the students about the relevance of studying economic geography and understanding contemporary economic problems from geographical perspective.

#### Course Outcomes:

This paper will be useful for the students in developing understanding on how geographical factors organize economic space, and to acquire knowledge about spatial patterns of various economic activities on the earth.

### **Paper Code: GGY-HG-3026**

#### Course Objectives:

This course on Cartographic Methods provides a general understanding of the field of cartography including its modern developments and importance in geographic study. It more particularly focuses on various types of map scale and their construction; principles of map projection and construction of selected few; and preparation of thematic maps through the representation of various geographical data using different cartographic techniques and methods.

#### Course Outcomes:

- Understanding the importance of various cartographic techniques in geographical study
- General understanding of map type, map scale and map content.
- An acquaintance of different cartographic techniques for representation of various facets of physical and human geographic data of any area.

### **Paper Code: GGY-HC-4016**

#### Course objectives

- This is a core paper which intends to introduce students to geography and environment interface.
- It seeks to develop new insights among students on the relevance of environmental studies from a spatial perspective.

#### Course outcomes

- This paper will be useful for students in developing ideas on environmental issues including disasters that geographers usually address.
- This paper will be useful for students preparing for different competitive exams including the civil services.

### **Paper Code: GGY-HC-4026**

#### Course objectives

- This paper is a core paper that intends to introduce students to the basic concepts of population and settlement geography and how the differential characteristics of population and settlement influence the overall development process of an area.
- It seeks to develop understanding among students about the significance of population geography and settlement geography and their inter-relationship.

#### Course outcomes

- The paper will be useful for students in developing ideas about spatio-temporal changes in the characteristics of population and settlement and the factors associated with them.
- The paper will be useful for students preparing for various competitive exams including the civil services.

### **Paper Code: GGY-HC-4036**

#### Course objectives

- This paper is a core paper that intends to introduce students to the interface of Remote Sensing and GIS
- It seeks to develop new insights among students on the relevance of geospatial studies within the field of geography.

#### Course outcomes

- The paper remains useful for students in developing skills in spatial data analysis if they wish to pursue a research programme.
- The paper will be useful for students preparing for different competitive exams including the civil services.

### **Paper Code: GGY-SE-4014**

#### Course objectives

This skill enhancement course on Advanced Spatial Statistical Techniques basically deals with understanding the application of different statistical measures for analysing data relating to various geographical phenomena. Besides, this course provides basic knowledge about handling various geographical data (spatial and non-spatial) for understanding spatial and temporal patterns by applying different statistical measures like variability/disparity index, correlation and regression analysis, etc.

#### Course outcomes

- It provides general understanding of geographical data and application of various statistical measures for their meaningful analysis.
- Acquiring basic knowledge about probability and normal distributions and their applications for sample data collection and analysis.
- Understanding the patterns and processes associated with various geographical phenomena through application of different statistical techniques.

**Paper Code: GGY-SE-4024**

Course Objectives:

This course on Surveying Techniques provides a general understanding of the field of survey including its modern tools and importance in geographic study. It more particularly focuses on various types of survey instruments; principles of different types of surveying, methods of carrying out survey for preparation of map/plan in different environment by presentation of various aspects of the area.

Course Outcomes:

- Understanding the importance of various surveying techniques in geographical study
- General understanding of preparation procedures of different types of plan and map
- An acquaintance of different surveying techniques for representation of various spatial objects/Phenomena.

**Paper Code: GGY-HG-4016**

Course objectives

- This is an elective paper which intends to introduce students to India as a geographical entity.
- It seeks to develop new insights among students on significant geographical dimensions of the country along with its north-eastern part.
- A field study is incorporated to make the students understand regional diversity of India with respect to its land, people and economy.

Course outcome

- The paper will be useful for students in developing understanding on Indian geography and its various dimensions.
- It will also be useful for students preparing for various competitive examinations including civil services.

**Paper Code: GGY-HG-4026**

Course objectives

- This paper is a generic paper that intends to introduce students to the basic concepts of population and settlement geography and how the differential characteristics of population and settlement influence the overall development process of an area.
- It seeks to develop understanding among students about the significance of population geography and settlement geography and their inter-relationship.

Course outcomes

- The paper will be useful for students in developing ideas about spatio-temporal changes in the characteristics of population and settlement and the factors associated with them.
- The paper will be useful for students preparing for various competitive exams including the civil services.

**Paper Code: GGY-HC-5016**

Course objectives:

- To appreciate the social and political dimensions of geographic phenomena.
- Understand how geography influences political issues and their spatial dimensions.

Course outcome:

- This course will help equip the students to comprehend various social and political aspects of phenomena and their interface within the realm of geography.
- The paper will be very useful for students preparing for various competitive examinations including civil services.

**Paper Code: GGY-HC-5026**

Course objectives:

This paper on Field Techniques in Geography is of pedagogical importance as it helps the students of geography to acquire the first hand experience about the geography of a particular area. It also helps the students to learn the various techniques of data collection from the field and to understand any pre-defined problem in proper perspective.

Course outcomes:

- This course will help students to proceed with a research problem and the steps she/he should adopt and the tools and craft to be employed for doing quality research.
- Students perceive fieldwork to be beneficial to their learning, because through it they experience 'geographical reality', and have deeper understanding of the subject.
- The students will have a chance to interact with respondents and collect data through questionnaire directly from the field.
- This course will develop understanding about designing and writing a field report.

**Paper Code: GGY-HE-5016**

Course Objectives:

- This is a discipline-specific elective paper which intends to introduce the students to the significance of transport studies in geography.
- The students will be exposed to the ideas of various facets of transport network, modes of transportation and flow analysis.

Course Outcome:

- The students will be able to understand and analyse the principal issues confronting the transportation systems from geographical perspectives.
- The students will get an insight into various transportation systems from global and India perspectives.

**Paper Code: GGY-HE-5026**

Course objectives:

- This paper intends to introduce students to the rationale underlying the relevance of balanced regional development and spatial inequalities from geographical

perspective.

- It seeks to develop new insights among students on the issue of development and associated regional disparities in development.

Course outcomes:

- The paper will be useful for students in developing ideas on disparities within and between countries and their fallout.
- The paper will help provide theoretical insights and perspectives to students, if they wish to pursue a higher studies or research in future.
- The paper will be very useful for students preparing for various competitive examinations including civil services.

### **Paper Code: GGY-HE-5036**

Course objectives

- This paper introduces the students to the field of urban geography and its major aspects.
- It seeks to develop new insights among students on the relevance of an urban geography and associated problems in a rapidly urbanizing world.

Course outcomes

- The paper will be useful for students in developing ideas on how geographical factors organize urban spaces and how geographers seek to address various urban problems and issues.
- It will help build skills among students seeking advanced studies on urban development and planning.
- The paper will be very useful for students preparing for various competitive examinations including civil services.

### **Paper Code: GGY-HE-5046**

Course Objectives:

- As a discipline-specific elective paper it intends to introduce the students to the basic concepts of agriculture and agricultural geography.
- It seeks to develop understanding among students about the significance of Agricultural Geography.
- To understand how different types of agriculture have developed in different areas and how they are similar to or different from one another.

Course Outcome:

- This paper will be useful for students in developing ideas about agricultural practices and their distribution and characteristics.
- This paper will also be useful to the students in understanding the world agricultural systems.
- This paper will help develop understanding of location of agricultural activities and associated contemporary problems and challenges.

**Paper Code: GGY-HC-6016**

Course objectives:

- This course introduces the students to the theoretical development of geography over time.
- This course presents contemporary and post-modern perspectives, along with the models that act as a guiding force of the discipline to understand various geographical phenomena in proper perspectives.

Course outcomes:

- This course develops a comprehensive understanding of the discipline;
- This course helps the students to apply the historic and contemporary perspective to explain and approach the real world geographic problems.

**Paper Code: GGY-HC-6026**

Course Objectives:

The paper on Research Methods will enable the students:

- To understand how to approach a research problem and to formulate research objectives and research questions in proper perspective. In addition, knowledge of formulation of hypothesis and testing, framing of questionnaires, techniques of collection of both qualitative and quantitative data and their analysis.
- To develop understanding of the basics and utility of review of literature and preparation of research report.

Course Outcomes:

- This course will help the students to proceed with a research problem and the steps she/he should adopt and the tools and craft to be employed while doing quality research

**Paper Code: GGY-HE-6016**

Course objectives:

This course basically deals with understanding the concept of health and geography of health as a field of study. It throws light on the factors determining human health and occurrence of various types of diseases in relation to ecology. It also provides information about human health in relation to global climate change in general and disease pattern in relation to varying environmental contexts in India in particular.

Course outcomes:

- Understanding of the concept of human health and healthcare from the perspective of geography.
- Acquiring knowledge about factors influencing human health and occurrence of diseases in varying ecological settings.
- Providing useful information about the impact of global climate change on human health and occurrence of various diseases in different ecological settings in India

**Paper Code: GGY-HE-6026**

## Course Objectives:

- To create knowledge base about basic hydrological concepts.
- To know about the hydrological concepts and their applications in river basin studies.

## Course outcomes:

After completion of this course the students will be able to speak on the basic concepts of hydrology and its application in river basin studies. Students will also have a practical orientation of the concepts both in laboratory and in the field.

**Paper Code: GGY-HE-6036**

## Course Objectives:

This paper introduces the students to the field of tourism from the lens of geography and its specificities. It seeks to develop new insights among students on how tourism and allied activities are shaped by geography of an area and also how such activities are responsible in shaping economic, social and environmental context from globe to local levels.

## Course Outcomes:

- The paper will be useful for students in developing ideas on how geographical factors tangent on tourism activities and how geographers seek to address issues of development and carrying capacities of varied environments.
- It will also build skills for students seeking to enroll in a research programme and/or provide openings for them to work with tourism/eco-tourism planning agencies.

**Paper Code: GGY-HE-6046**

## Course Objectives:

- This paper intends to introduce the students about basic concepts of resource and resource management, and its relevance to sustainable development.
- To get acquainted with different concepts of development with special focus on economic development.

## Course Outcomes:

- This paper will be useful to students in developing ideas on different aspects of resources, and the linkages with development issues that geographers usually address.
- This paper will also be useful for students preparing for different competitive examinations including the civil services.