

## PROGRAM OUTCOMES (GEOGRAPHY M.A.) 2016-17

Program learning outcomes (POs) are specific types of knowledge and skills that students are expected to acquire in the program and to be able to demonstrate upon completion.

The Department expects that students who major in geography will be skilled in disciplinary theories, methodologies, and content. These expectations ground the following learning goals and objectives for undergraduate and graduate majors.

Upon completion of the Master of Arts in Geography, students will be able to demonstrate the following:

PO1: Compare and contrast the theories, philosophies, and concepts in the discipline of geography, including unifying themes of spatial patterns and structures, the interrelationship between people and places, and the interactions between nature and society.

PO2: Demonstrate an advanced understanding of and ability to differentiate among the various methodologies used in geographic research.

PO3: Acquire, analyse, evaluate, interpret and critique geographic data and/or research.

PO4: Communicate mastery of geographic data, theories, philosophies, and concepts in oral, written, and visual forms, with ethical engagement and respect for diversity of individuals, groups, and cultures.

PO5: Identify and assess how geographic concepts apply in the workplace and in everyday life to solve real-world problems.

## COURSE OUTCOMES

### M.A GEOGRAPHY SEMESTER-I

#### **GEOMORPHOLOGY**

- CO1. Understand the effect of rotation of revolution the Earth
- CO2. Understand interior structure of the earth
- CO3. know the importance of longitudes  
& latitudes
- CO4. International Date line and Standard time
- CO5. Understand Theory regarding of Origin of Continents and oceans
- CO6. Study the formation of Rocks
- CO7. Understand the work of internal and external forces and their associated Landforms.
- CO8. Study the erosional and depositional land forms of Rivers and Sea Waves.
- CO9. Understand the concept of mass Wasting Understand the Application of Geomorphology

#### **CLIMATOLOGY**

- CO1. Understand the importance of Atmosphere
- CO2. Understand heat balance.
- CO3. Understand the types of winds
- CO4. Understand the structure, composition of Atmosphere.
- CO5. Understand weather phenomena winds, humidity and precipitation

#### **EVOLUTION OF GEOGRAPHICAL THOUGHT**

- CO1. Understand the historical development of geographical thought according to Greek, Roman, Indian, German, French, British and American school.
- CO2. Understand the dualisms in geography such as determinism and possibilism, systematic Vs regional and physical Vs human geography.
- CO3. Understand recent trends, scientific methods, quantitative revolution and computer application in geography.
- CO4. Understand the definition, need, and signification of applied geography

## **GEOGRAPHY OF INDIA**

- CO1. Understand the about the physiographic division of India.
- CO2. Understand the India Drainage system of India Rivers.
- CO3. Understand the climatic variation in India and climatic region of India.
- CO4. Examine and understand the types of vegetation of India.
- CO5. Understand the variation in industrial development in India.
- CO6. Examine and understand the developed and underdeveloped states in India.

## **PRACTICAL-I**

- CO1. Topographical Information;- International Series, South East Asia Series, Indexing, Classification and interpretation of topographical sheets, profiles
- CO2. Morphometric Analysis;- Hypsometric curve, Altimetric curve, histogram, Clinograph, Slope Analysis, Wentworths Method
- CO3. Graphs and Diagrams;- Traingular Diagram, Ergogeaph, Rainfall ,dispersion diagram Proportional Circle, Spheres and Cubes

## **M.A GEOGRAPHY SEMESTER-II**

### **OCEANOGRAPHY**

- CO1. Understand the meaning, nature and scope, modern trends in Oceanography.
- CO2. Understand the ocean floor and relief of the ocean bottom.
- CO3. Understand the properties like temperature, density, salinity of ocean water.
- CO4. Understand the characteristics and properties of factors affecting on formation of sea waves.
- CO5. Understand the tides, tide generating forces, types of tides and tidal effects in coastal areas.
- CO6. Get knowledge about distribution of lithogenous, biogenous, and hydrogenous sediments on ocean floor.

### **ECONOMICS GEOGRAPHY**

1. Students Understand about the Nature and Scope, approaches of Economic Geography and recent trends of economic geography.
2. Understand about the basic Economic Processes- Production, Exchange, Consumption and its applications

3. Understand the fundamental theories in economic geography.
4. Review, understand and apply the modes of economics development by various models.
5. Compare the economic environment and economic development in the world.
6. Understand the economies scale, transportation and communication and nature and role of international trade in economic development of India

### **GEPGRAPHY OF CHHATTISGARH**

CO1 :Acquire knowledge of Chhattisgarh.

#### **PRACTICAL –II**

CO1 . Map projection –Consturction of world map projection.

CO2. Thematic Mapping ; Choropleth, Isopleth ,Dot method ,flow map

CO3.Surveying –Importance of field survey ,principles and appplication of selected survey instruments

### **M.A GEOGRAPHY SEMESTER -III**

#### **RURAL SETTLEMENT GEOGRAPHY**

CO1: The objective of the paper is to give to the students the basic ideas about the rural settlements, historical development during ancient, medieval and modern times, morphology of rural settlements, functions and rural settlement planning in India.

CO2: The present paper shall enhance the knowledge of students about the historical development, patterns, types and functional systems of rural settlements.

#### **RESEARCH METHODOLOGY**

CO1. Examining the introduction of research, motivation in research, types of research, significance of research, research process and criteria of good research.

CO2. To understand the research problems, selecting research problems, literature review and to study the hypothesis, its types, sources, formation of hypothesis and utility of hypothesis in scientific research.

CO3. To understand the research design, need, features, basic principal and developing of research plan, and sampling design and its basic types, steps, characteristics of sampling design.

CO4. Study about type's data and methods of data collection and study the processing and analysis of data using different statistical methods.

CO5. Understand the interpretation and report writing, techniques, precaution of interpretation, layout of research report, types of reports and oral presentation mechanics of writing a research report.

### **REGIONAL DEVELOPMENT AND PLANNING**

CO1. Understand the definition and concept of regional geography study about the principles and importance of Regional Geography.

CO2. Understand regional approach for the study regionalization and planning.

CO3. Understand theoretical structure of planning by central place theory, Growth pole Theory, and Gunnar Myrdal's cumulative causation.

CO 4 study about causes, effect of regional disparities and remedies on disparities.

CO5 student presentations on any one topic related to regional geography with issues and solutions.

### **ENVIRONMENT GEOGRAPHY**

CO1. Definition scope ,basic concepts of environmental geography

CO2. Concept of environmental management ,approaches and ecological basis

### **PRACTICAL-III**

CO1, Geological map ; basic definition ,conformable series and unconformable series

CO2. Statistics ; hypothesis testing ,chi test ,F test ,mean centre .

CO3. Dumpy level and theodolite surveying

### **M.A GEOGRAPHY SEMESTER –IV**

#### **POPULATION GEOGRAPHY**

CO1. Examine and understand the various factors responsible for World Population growth and Distribution.

CO2. To understand the fundamental Concepts Related to Population such as density, over, Optimum & under population, fertility, mortality and population for future Perspectives.

CO3. To review and understand the subject matter with the help of Theories of Population.

#### **URBAN GEOGRAPHY**

CO1. Nature and scope of urban geography approaches

CO2. Bases and process of urbanization .

CO3 ,Urban expansion .umland periphery [fringe]

### **AGRICULTURE GEOGRAPHY**

CO1. Understand about the introduction to agriculture, nature, scope, significance and Development of agriculture geography, study approaches applied in agriculture.

CO2. Understand the influence of physical, Economic and Technological factors on agriculture patterns.

CO3. To understand the agricultural system its meaning and concept, whittlesey's classification of agricultural system, types of agricultural, study the types of agricultural in respect of area, salient features and their problems.

CO 4. Understand the agricultural regionalization and modes in agricultural geography and their classification of agricultural models and some theories.

CO5. Understand definition and characteristics of arid and semi-arid regions and study about droughts and famines, role of irrigation and dry farming.

### **GEOGRAPHY OF TOURISM**

CO1. To Students Understand about the tourism influencing factors: historical, natural, socialcultural and economic.

CO2. Study the tourism motivating factors for pilgrimages, leisure, recreation, elements.

CO3. Understand the Tourism types: eco-ethonocoastal and adventure tourism, national and international tourism, globalization and tourism.

CO4. To Stud tourism attraction, evolution of tourism, promotion of tourism, case studies from in India.

CO5. Study and understand the environmental laws and tourism-current trends, spatial and recent changes, Tourism circuits-short and longer, accommodation and supplementary accommodation other facility, Indian hotel industry.

### **PRACTICAL-IV**

CO1. Remote sensing : fundamental of remote sensing ,components of image interpretation

CO2. GIS: Elements of gis

CO3. Field work