M.A./M.Sc. (Geography)

Semester - I

Geomorphology

Note: A total of eight questions will be set out the whole syllabus, at least two from each carrying 10 marks each. Total attempts question are five.

Unit - I

Unit- II
Exogamic Processes: Concept of gradation, Agents and processes of gradation, causes, types and classification of weathering, mass movement erosion depositional process and resultant landforms.

Unit – III
Geomorphic processes. Dynamics of fluvial, glacial, Aeolian, marine and karst processes and resulting landforms complexities in geomorphologic processes.

Semester I

Geography of India

Note: A total of eight questions will be set out the whole syllabus, at least two from each unit carrying 10 marks each. Total attempts question are five.

Unit – I
Major physiographic Regions of India, Drainage systems and their functional significance climate, current theories regarding the mechanism of Mansoom
climatic Regions – Koppens, Trewarth and Stamp. Soil resources and conservation, Natural vegetation and its conservation.

Unit – II
Agricultural system and technological problem of India agriculture, developments, green revolution achievements and short comings, Regionalization of agriculture in India, Conventional and non-conventional power resources, Industrial regions of India.

Unit – III
Socio –economic implications of explosive growth of population, distribution and density of population resource regions, trends of urbanization, urban regions population problem and policies.

Semester - I
Economic Geography

Note: A total eight question will be se out the whole syllabus, at least two from each unit carrying 10 marks each. Total attempt questions are five.

Unit – I
Definition, scope, methods and branches, Distinction between Economic and Commercial Geography, Concept of Economy, Simple model of economy, Environmental relations of economy. Spatial structure of economy.

Unit – II
Spatial distribution of Energy. Each source of power as supplementary to the other. Atomic power development and non-proliferation.
Unit – III
Spatial Variation in Transport costs and production costs, Transport and Economic activity; Economic Measurement of Means of Transport; Transport costs and Spatial Variation – Weber’s Hypothesis. Hoover’s Smith’s Hypothesis, Fetter’s Hypothesis, Florence’s Hypothesis; Factors Affecting Transport costs.

Semester - I
Geography of Resources

Note: A total eight question will be set out the whole syllabus, at least two from each unit carrying 10 marks each. Total attempt questions are five.

Unit- I
Nature, scope and significance of the Geography of Resources, definition and concept of resource related to cultural, economic and technological development stage and perceptions. Classification of resources – renew ability, availability and distribution of major natural resources – soils, forests fish and minerals.

Unit – II
Factors of Location of economic activities, physical, social, economic and cultural, concept and techniques of delimitation of agricultural regions, crop combination and diversification – Von Thunen’s model and its modifications.

Unit –III
Economic development of India, Resources Regions of India, Impact of green revolution of Indian economy. Globalization and Indian economy and its impact on environment.
Semester – II

History of Geographical Thought

Note: A total eight question will be set out the whole syllabus, at least two from each unit carrying 10 marks each. Total attempt questions are five.

Unit – I

Concepts in the philosophy of geography – distributions, relationship, interactions, a real differentiation and Dualisms in Geography – systematic v/s regional, physical v/s human. Geography in the ancient and medieval period, Contribution of Greek and Roman Geographers – Herodotus, Eratosthenes, Strabo and Ptolemy – Character of Geography in medieval period – the Dark Age.

Unit – II


Unit – III

Dualisms in geography – systematic v/s regional, physical v/s human Recent trends in Geography. Impact of positivism, behaviorism, radicalism and humanism.

Semester - II

Environmental Geography

Note: A total eight question will be set out the whole syllabus, at least two from each unit carrying 10 marks each. Total attempt questions are five.

Unit – I
Meaning and Concepts of Environmental, Classification of environmental: Natural and Human, Man-environment relations with respect to population size. Major characteristics of environment, Multi-Disciplinary Nature of environmental studies, need of environmental studies, Importance of environmental studies, Environmental conservation, Need of public awareness, important movements of India related to environmental awareness.

Unit – II
Geographical aspects of Major Environmental Problems: Man – environmental relationship; Nature Hazards – floods, drought, cyclones, earthquake, landslides and soil erosion; man-induced hazards, rapid urbanization, industrialization.

Unit – III
Environmental degradation :- Environmental pollution, Deforestation & Global warming, Green House Effect, Soil & Marine Pollution, Water Pollution, Thermal & Noise Pollution, Nuclear Pollution.

Semester - II
Human Geography

Note: A total eight question will be se out the whole syllabus, at least two from each unit carrying 10 marks each. Total attempt questions are five.

Unit – I
Conceptual: Definition, Scope and Development of Human Geography; Scholl of Human geography (determinism, Possibilism and new-determinism); Fundamental principals of human geography; Man as a geographical factor, Man and Environment (Climate)

Unit – II
RACE OF MAKING: Concepts, physical characteristics of races, classification by G. Taylor and migration zone theory of race evolution; racial classification of India by B.S. Guha.
Unit – III

Human response to environment is major natural regions of the world-study of made of life of Pigmies, Bushmen, Eskimos, Khirgz, Masia, study of made of life of Indian tribes-Nagas, Bhils, Todas, Santhal and Tharus.

Semester – II

Population Geography

Note: A total eight question will be set out the whole syllabus, at least two from each unit carrying 10 marks each. Total attempt questions are five.

Unit – I

Nature scope and of Population geography, significance of studying distribution of population; different types of densities; board of distribution and density of population in the world.

Unit – II

Growth of population determinants of population growth, trends and patterns of population growth in development and developing countries of the world. Migration-internal and international; its causes and effects; internal migration in India.

Unit – III

Age and sex Composition – determinants and world patterns, Urbanization: meaning and significance, Comparative study of levels of Urbanization in developed and developing countries of the world. Population policy of India.

Semester - III

Climatology and Oceanography

Note: A total eight question will be set out the whole syllabus, at least two from each unit carrying 10 marks each. Total attempt questions are five.
**Unit – I**

**Unit – II**
Precipitation. Acid Rain, and Ocean atmospheric interaction: El Nino, Solution Oscillation (ENSO) and La Nina. Climatic classification of Koppen and Thornthwaite. Climate changes and Global warming.

**Unit – III**

**Semester – III**

**Regional Planning and Development**

**Note:** A total eight question will be set out the whole syllabus, at least two from each unit carrying 10 marks each. Total attempt questions are five.

**Unit – I**
Unit – II

Unit – III

Semester – III
Agriculture Geography

Note: A total eight question will be se out the whole syllabus, at least two from each unit carrying 10 marks each. Total attempt questions are five.

Unit – I

Unit – II
Determinants of agriculture land use. Physical, economic, social and technical, selected agriculture concepts and their measurements; crop concentration, intensity of cropping, efficiency and productivity, crop combination regions and agricultural development.

Unit – III
Theories of agricultural location based on several multi-dimensioned factors: Von Thunens’s theory agricultural location and its recent modifications; Whittlesey’s

**Semester – III**

**Urban Geography**

**Note:** A total eight question will be set out the whole syllabus, at least two from each unit carrying 10 marks each. Total attempt questions are five.

**Unit – I**

Nature, scope and significance of urban geography Different approaches and recent trends in urban geography- bases and process of urbanization and development. Trends of urbanization in India. Classification of urban centers on the basis of size and function.

**Unit – II**

Landuse models and theories of urban theories of urban growth. Location and spacing of urban centers – Central place theory of Christaller and Losch Urban areas and conurbation.

**Unit – III**