

**JIWAJI UNIVERSITY
GWALIOR**



Syllabus

SUBJECT

**M. A. In
Geography(Final)**

**INSTITUTE OF
DISTANCE EDUCATION**

SUBJECT

PAPER-I HISTORY OF GEOGRAPHICAL THOUGHT

PAPER-II CLIMATOLOGY AND OCEANOGRAPHY

PAPER-III POPULATION AND SETTLEMENT GEOGRAPHY

PAPER-IV URBAN GEOGRAPHY

M.A. Geography (Final)

PAPER - I

HISTORY OF GEOGRAPHICAL THOUGHT

UNIT-1

The field of geography ; its place in the classification of sciences geography as a social science and natural science, selected concepts in the philosophy of geography, distributions, relationships, interactions; area differentiation and spatial organization.

UNIT- 2

Dualisms in geography: systematic & regional geography ; physical & human geography systematic geography its relation with systematic sciences and with regional geography. The myth and reality about dualism .regional geography: concept of region regionalization and the regional method.

UNIT-3

Scientific explanation: routes to scientific explanations (Inductive\ Deductive); types of explanations; cognitive description; cause & effect; temporal; functional\ ecological systems.

UNIT-4

laws , theories & models the quantitative revolution , response to positivism, behaviorism, postmodernism .

UNIT-5

Historical Development

Contribution of different scholars during ancient medieval and modern period .

Geography in the 20th century; conceptual and methodological developments and changing paradigms: status of Indian geography, future of geography; task ahead relating to development of geography thought with special reference to changing views on man-environment relationship.

M. A. Geography (Final)

PAPER - II

CLMATOLOGY AND OCEANOGRAPHY

UNIT-1

Nature and scope of climatology and its relationship with meteorology, Composition and structure of the atmosphere. Insolation and Heat Budget. Green House Effect. Distribution of Temperature and pressure. wind system. Jet Streams.

UNIT-2

Humidity and Precipitation. Acid Raim, fair Masses and Fronts. Origin, development and associated weather related to Cyclones, Anticyclones and Thunderstorms. Ocean atmospheric interaction: El Nino. Southem Oscillation (ENSO) and La Nina.

UNIT -3

Climatic classification of Koppel and Thornthwaite. Major Climates of the world- tropical, temperate, desert and mountain climate. Climatic changes and global warming.

UNIT-4

Nature and scope of oceanography. Distribution of land and water .Surface configuration of the ocean floor. Submarine relief of the pacific and Indian Ocean Composition of Oceanic water .Distribution of Temperature and Salinity.

UNIT-5

Circulation of Oceanic water; Waves. Tides and Current. Ocean Deposits: Their Sources and kinds. Corals and Coral reefs: Types and Theories of their origin. Ocean as a sources of food and minerals reference.

M. A. Geography (Final)

PAPER - III

POPULATION AND SETTLEMENT GEOGRAPHY

UNIT-1

Nature, scope and significance of population Geography. Its relation with. Demography Development of Population Geography as a field of specialization. Sources of Population data. Problems relating to reliability and comparability of data. Problems of mapping of population data.

UNIT-2

World patterns and factors influencing the following attributes of population: (a) Numbers, distribution and density (b) Vital rates- birth and death rates . (c) Migration- internal and international . (d) Growth (e) Age and sex composition. (f) Literacy. (g) Urbanization. (h) Occupational structure.

UNIT-3

Concepts of over population, under population and optimum population, population-Resource Regions of the world. Theory of population-Malthus & Boserup. Demographic Transition population policy of India.

UNIT-4

Evolution, size and growth of human settlements. Elements , types and pattern of Rural settlements. Houses of Rural settlement Density, size, shape and spacing of Rural settlement Morphology of Rural settlements. Classification of Rural Settlements.

UNIT-5

Ong in and growth of Urban center's from ancient to modern period . Process of Urbanization Functional classification of urban center's.Sprawl of cities . Suburban development Rural-Urban Fringe . Urban Morphology. Central place Theory of Chris taller and Losch . Umland and its delimitation .

Books Recommended:

1. Bilasborrow, Richard E and Daniel Hogan. Population and Deforestation in the Humid Tropics, International Union for the scientific Study of population. Belgium 1999.
2. Bogue. D.J. principals in Demography, John Wiley. New York 1969
3. Bose.Ashish etal. population in India's Development (1947-2000): Vikes Publishing House. New Delhi 1974.
4. Census of India :A State Profile.1991
- 5.Chandna R.C. Geography of population; Concept, Determinants and patterns kalians publishers. NewYork2000.

M. A. Geography (Final) (Optional)

PAPER - IV

URBAN GEOGRAPHY

UNIT-1

Introduction Concept, models and approaches to natural resource management problems of resource utilization population pressure, development and resource use; natural hazards and risk management.

UNIT-2

Use and misuse of Resources: Global and Indian scenario; historical background and future prospects of various resources; soil, water, minerals, forests.

UNIT -3

Conservation and management of resources: Meaning principals, philosophy and approaches to conservation resources conservation and management methods.

UNIT-4

Resource appraisal and policy making appraisal of Land resources, geophysical geochemical, geobotanica; use of GIS and remote sensing in resource appraisal institutional arrangements and policy models towards better management and conservation of resources.

UNIT-5

Resources Development: Sustainable resource management concept, methods dimension and sustainable system; integrated resource development and application.

