



बिलासपुर विश्वविद्यालय, बिलासपुर (छत्तीसगढ़)

SEMESTER SYLLABUS

M.A. GEOGRAPHY

SCHEME OF EXAMINATION & DISTRIBUTION OF MARKS

SEMESTER - I

Paper No.	Title of the Paper (s)	Internal Assessment	Term End Exam	Total Marks
1.	Geomorphology	20	80	100
2.	Climatology	20	80	100
3.	Evolution of Geomorphical thoughts	20	80	100
4.	Geography of India	20	80	100
PRA-1	Practical	-	-	100
TOTAL				500

SEMESTER - II

Paper No.	Title of the Paper (s)	Internal Assessment	Term End Exam	Total Marks
1.	Oceanography	20	80	100
2.	Economic geography	20	80	100
3.	Social geography	20	80	100
4.	Geography of Chhattisgarh	20	80	100
PRA-1	Practical	-	-	100
TOTAL				500

SEMESTER - III

Paper No.	Title of the Paper (s)	Internal Assessment	Term End Exam	Total Marks
1.	Rural settlement geography	20	80	100
2.	Research methodology	20	80	100
3.	Regional planning and development	20	80	100
4.	Environment geography	20	80	100
PRA-1	Practical	-	-	100
TOTAL				500

SEMESTER - III

Paper No.	Title of the Paper (s)	Internal Assessment	Term End Exam	Total Marks
1.	Population geography	20	80	100
2.	Urban geography	20	80	100
3.	Agricultural geography	20	80	100
4.	Geography of tourism	20	80	100
PRA-1	Practical	-	-	100
TOTAL				500
TOTAL				2000



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**SEMESTER SYLLABUS
M.A. GEOGRAPHY**

**SEMESTER – I
PAPER – I
GEOMORPHOLOGY**

OBJECTIVES: -

It being a course at the interface of Geography with earth, the student has to be sensitized to background knowledge of geology and environmental sciences. The objectives of the course is to familiarize the students with the need for understanding of geomorphology with reference to certain fundamental concepts, focusing on the unity of geomorphology in the earth materials and the Process component of geomorphology is segmented into the internal and external processes of landscape evolution.

Finally a few selected applications of geomorphology to social requirements and quality of environment are dealt with.

COURSE CONTENTS:-

UNIT - 1

Nature and scope of Geomorphology. Fundamental concepts: - Geological structures and land forms, multicyclic and polygenetic evolution of landscapes, concept of threshold. Interior of the earth.

UNIT – 2

Earth Movement

Epeirogenic (Wegner Theory), Organic earth movements. With reference to the evolution of the Himalaya. Forces of crustal instability: - Faults & Folds. Isostasy, Geosynclines, plate tectonics, volcano, earth quack.

UNIT – 3

Exogenic processes: - Concept of gradation; agents and processes of gradation. Weathering: - causes, types and classification, Cycle of erosion- Penck & Devis.

UNIT - 4

Geomorphic processes: Erosion and depositional processes of Fluvial, Glacial, Aired, Marine and Karst and resulted landforms.

UNIT – 5

Application of geomorphology in Hydrology, Urban Geography, Environment Geomorphology, Geomorphological Hazards.



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SEMESTER – I

PAPER – II

CLIMATOLOGY

OBEJECTIVES:

The main objectives of the course are to provide Understanding of weather phenomena and generation of climatic phenomena and Dynamics of global climate.

COURSE CONTENTS:-

UNIT – 1

Nature and scope of climatology and its relationship with meteorology. Composition and structure of atmosphere. Insolation and heat balance of the earth. Green house effect. Temperature: - Vertical, horizontal and regional distribution.

UNIT -2

Air pressure, Atmospheric motion :- Permanent wind, Local wind, and Jet stream, and monsoon winds. Humidity, evaporation.

UNIT -3

Precipitation: - Types world pattern precipitation, Acid rain. Concept of Air masses and fronts. Cyclones. EL Nino, and La Nina.

UNIT -4

Classification of climates:- koppen, & Thorntwaite, General classification of world climate (temperate, desert, and Tropical)

UNIT -5

Climate change geological and historical times, evidences, possible caused. And global warming, Applied climatology Depletion of aozone layer.



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SEMESTER – I
PAPER – III
EVOLUTION OF GEOMORPHICAL THOUGHTS

OBEJECTIVES :

To introduce the students to the philosophical and methodological foundations of the subject and its place in the word of knowledge. To familiarize them with the major landmarks in development of geographic thought at different periods of time.

COURSE CONTENTS :

UNIT -1

The field of geography :- It place in the classification of science, geography is a social science and natural science. Selected concepts in the philosophy of geography :- Distribution, Relationship, Interactions, areal differentiation and spatial Organization.

Dualism in geography :- Determinism/ possibilism, systematic/Regional.

UNIT – 2

Classical Age : - The beginning of geography in classical age, contribution of Greek and Roman to geography, Geography in ancient Indian period. Contribution by Arb geographers.

UNIT-3

Contribution of various schools of thought in Modern geography

1. German school of geographic thought Homboldt Retter, Rich thofen & Ratzal.
2. French School of geographic thought – blache, brunches.
3. American geographic thought – Davis, sample.
4. British geographic thought – Mackinder, Harbertson, stamp

UNIT -4

Scientific Explanation: Routes to scientific explanation (Inductive/Deductive), Laws, Theories and Models in Geography, Quantitative Revolution

UNIT -5

Philosophy of Positivism, Behaviourism, Radical Geography, Status of Indian Geography, Future of Geography.



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SEMESTER – I
PAPER – IV
GEOGRAPHY OF INDIA

OBEJECTIVES:

To understand India in terms of various regional divisions, their important characteristics, Intra-regional and inter-regional linkages; to analyses the natural and human resource endowments, their conservation and management:

To sensitize the students with development issues and policies and programmes designed for regional development.

COURSE CONTENTS:-

UNIT-1

India in the context of Asia and the World, Major Physical Units and their Characteristics, Geological Structure, Drainage, The Indian Masson, Climatic division, Soil types their characteristics, Distribution, Natural Vegetation types and distribution.

UNIT-2

Agriculture: Major characteristics and problems of Indian Agriculture, Major Crops Paddy, Wheat, Cotton, Sugarcane, oilseeds, tea, coffee, Agricultural region, green revolution, Irrigation Development in India and its spatial pattern

UNIT-3

Mineral and Power resources:- Reserves, Production and Problems of conservation of major minerals: Iron ore, manganese, Bauxite, Copper Power resources coal, petroleum, Hydro-Electricity.

UNIT-4

Industry:- Industrial development; and overview, Locational factors and spatial pattern of major industries in India-Iron & steel, cement, cotton Textile cement, sugar, Industrial regions of India.

UNIT-5

Population: - Distribution and growth. Basis of regional division Macro, Maso and Micro Region. Regional classification of India by R.L.Singh



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SEMESTER – I

PRACTICAL

OBEJECTIVES:

To apprise the student with latest trends in the development of cartography as a tool in mapping thematic and quantitative data to facilitate spatial analysis and synthesis.

To enhance the skill of the students in field of survey and to understand the basic principles of map making.

Topographical information: International Series, South East Asia Series, Indexing, Classification and interpretation of topographical sheets, profiles

Morphometric Analysis: Hypsometric curve, Altimetry cursive, Histogram, Clinograph, Slope Analysis, Wentworth's Method

Graphs and diagrams: Triangular Diagram, Ergo graph. Rainfall dispersion diagram Proportional circle, Spheres and cubes.



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M.A. GEOGRAPHY

SEMESTER-II
PAPER-I
OCEANOGRAPHY

OBJECTIVE

The objective of the course are to introduce students to the many facets of Oceans, Such as, evolution of the oceans, Physical and chemical properties of sea water, atmospheric and oceanographic circulation, The fascinating world of marine life and the characteristic of marine environment and the impact of man on the marine environment.

COURSE CONTENTS:-

Unit- 1

Nature and scope & Oceanography, History of Oceanography. Distribution of land and water. Major features of ocean basin: - Continental shelf, Continental slope, deep sea plains and Oceanic deep.

Unit-2

Physical and chemical properties of sea water, Temperature and salinity, density of ocean water.

Unit-3

Inter link between atmospheric circulation and circulation patterns in the Oceans: - Surface currents, waves and tides.

Unit-4

Marine biological environmental: - Bio-zones of the Ocean, Types of organisms, plankton, Nekton and Benthos, Ocean Deposits and Formation of Coral reefs.

Unit-5

Food and mineral resources of the sea. Impact of Human on the marine Environment
Major Ocean routs of the world.



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M.A. GEOGRAPHY

SEMESTER-II
PAPER-II
ECONOMIC GEOGRAPHY

OBJECTIVES:

The Economy of the world is changing in recent times. The Changes in primary, secondary and tertiary dynamic in nature in view of this, the objective of this course are to integrate the various factors of economic development to acquaint the students about dynamic aspects of economic geography.

COURSE CONTENTS:

Unit-1

I Scope content and recent trends in economic geography, relation of economic geography, with economics and other branches of social sciences, Classification of economics sectors of economy (Primary, Secondary, and, tertiary) Location of economic activities.

Unit-2

Factors of location of economic activities: Physical Social economic and cultural, Principles governing exploitation of minerals, world distribution and production of iron ore, manganese, copper, tin zinc, bauxite, coal and petroleum.

Unit-3

Manufacturing of Industries: Resource base and food processing industries, Theories of Industrial location- Weber, Losch and Isard: Location and distribution of selected industries Iron and Steel, aluminium, Chemical, Oil refining and Petrochemical, Engineering, Textile etc.

Unit-4

Transport and Trade- Factors governing land, Oceanic and air transport, accessibility and connectivity, major international railways and oceanic routes. Trade-Trade laws, World trade patterns.

Unit-5

V Economic development of India, Regional disparities, impact of green revolution on Indian economy, Industrial development during plan period.
Globalization and Indian economy and its impact on environment.



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M.A. GEOGRAPHY

SEMESTER-II
PAPER-III
SOCIAL GEOGRAPHY

Unit-1

Definition scope and meaning of social geography and its nature and relationship with other social sciences. Development of social geography, Approaches to the study of social geography.

Unit-2

Concept of Society: Social Environment, Geographic bases of Social Formation, Social geography of India- Social stratification, Caste, and Class, Social Organisation and groups, Religion and linguistic group of India, Evaluation of Socio-Culture region of world and India.

Unit-3

Social Well Being: Meaning and indicators of social well being. Quality of life Pattern and bases of rural and urban society. Deprivation and Discriminations issues relating to women and under privileged group.

Unit-4

Social geography of Chhattisgarh: Social groups and linguistic regions of Chhattisgarh, Cultural Realms and cultural Region of Chhattisgarh, Human Resource Development of Chhattisgarh with social, Economical and Environmental Indicators.

Unit-5

Social Development Planning: Meaning and importance, Public Policy and social Planning in India, Review of Five Years Plans Strategies to improve social well being in Tribal, Hill, Flood Prone Area.



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M.A. GEOGRAPHY

SEMESTER-II

PAPER IV

GEOGRAPHY OF CHHATTISGARH

OBJECTIVES:

The aim of the course is to finalise the student with meso micro region of the country. To prepare the student for understanding the Chhattisgarh region as a dynamic emerging from the interaction of the physical and regional structure over time.

COURSE CONTENT

Unit- 1

Physical elements of geography of Chhattisgarh: Location, Extent, Geology, physical, Features, Climate, Drainage, Soil and Vegetation.

Unit-2

Agriculture: Major characteristics, Important crops - Paddy, Wheat, Maize, Kodo-Kutaki, Pulses, Oilseeds, Sugarcane. Agriculture Region and Major agriculture development schemes, irrigation, Major irrigation projects,

Unit-3

Minerals and power resources:

Iron ore, Bauxite, Manganese, Coal, Hydroelectricity. Industrial development in Chhattisgarh with special reference to iron and steel industries, Cement Industry, Textile Industry, Agriculture based Industries, Aluminium, Thermal power, Industrial belts of Chhattisgarh.

Unit-4

Population structure: Growth and density of population, Cast structure, literacy, occupation, Tribes of Chhattisgarh Transport, Truism.

Unit-5

Culture and regional development: Cultural features of Chhattisgarh, Regional division of Chhattisgarh - Detailed study of Dandkaranya, Samri pat, Jashpur Pat.



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SEMESTER-II

PRACTICAL

1. Map projection: - Construction of world map projection.
2. Thematic Mapping: Choropleth, Isopleth, Dot Method, Flow Map.
3. Surveying- Importance of field survey, principles and application of selected survey instruments.

Prismatic Compass-

Method of prismatic compass surveying: Radiation, inter section and traverse, correction of bearing, Elimination the closing error, Bow ditch method.

Plane table-

Plan preparation, methods of plane table surveying- radiation, inter section, traverse & resection method.



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SEMESTER - III

PAPER - I

RURAL SETTLEMENT GEOGRAPHY

COURSE CONTENTS

Unit-1

Nature, scope significance and development of settlement Geography. Relationship of settlement Geography with other social Science, Concept of settlement Geography.

Unit-2

Meaning, origin, Evolution approaches of settlement. Types of Rural Settlement
Rural
morphology:- Cultural landscape, elements of rural settlement in different Geographical Environments with special reference to India.

Unit-3

rural House & their Types; field, patterns origin, evolution, size, social-spatial structure of Indian villages. Size and spacing of Rural settlements.

Unit-4

Size and spacing of Rural Settlement, Morphometry of Rural Settlement, study of Rural settlement with reference to C.G.

Unit-5

Rural Service Centre and their Identification, Rural problems and planning.



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SEMESTER - III

PAPER - II

RESEARCH METHODOLOGY

Unit 1

Research methodology - an overview, procedure of scientific research, defining Research problems, Formulating Hypothesis, Research Design.

Unit 2

Historical research survey of research, Methodological research. field studies, Action Research.

Unit 3

Methods of Data Collection: Observation, Questionnaire, Schedule and interview, Sampling

Methods, Size of sample.

Unit 4

Processing and analysis of Data: Editing, Coding, Classification and Tabulation Analysis-

Measurement of central tendency, Dispersion, Correlation.

Unit 5

Preparation of Research Reports : Steps, Layout and Types of Reports



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SEMESTER - III
PAPER - III
REGIONAL PLANNING AND DEVELOPMENT

COURSE CONTENTS:

UNIT-I

Regional Concept in Geography conceptual and theoretical Framework, merits and Limitation for application to regional planning and development, Concepts of space, Area and locational attributes.

UNIT-II

Types of Region- Formal and Functional, Uniform and nodal, Single purpose and composite, Region in the context of planning Regional Hierarchy.
Regional Divisions according to variations in levels of socio-economic development and Resource Regions)

UNIT-III

Regional Development Theories : Theories of Myrdal and Hirschman,, Franks theory of under development
Special purpose Region - River valley Regions Metropolitan Regions.
Problem Regions - Hill Regions, Tribal Regions of Drought and Floods.

UNIT-IV

Planning process - Sectoral, Temporal and Spatial dimension short term and long term perspective of planning. Planning for a region's development and multi regional planning.
Indicators of development and their data sources measuring levels of regional development and disparities. Regional Plans of India.

UNIT-V

1. Concepts of Multi level Planning : Decentralised planning process. panchayati Raj system Role and relationship of panchayati Raj System (Village panchayat Janpad Panchayat and Zila panchayat) and administrative structure (Village, Block and Districts)
2. Regional development in India - Problems and prospects.



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SEMESTER - III

PAPER - IV

ENVIRONMENTAL GEOGRAPHY

COURSE CONTENTS:

Unit-I

Definition scope, basic concepts of environmental geography

General systems ; ecological concepts; geography as human ecology Ecosystem concept and components, Ecosystem- form and function: Trophic level, ecological pyramids, ecological niche, energy and nutrients in the ecosystem, hydrological cycle, food chain and food web.

Unit-II

Man-environment relationship: Resource use and ecological imbalance with reference to soil, forests and energy resource. Biodiversity and its conservation. Preservation and conservation of the ecosystem through resource management.

Unit III

Environmental degradation: Types of Environmental degradation, process and causes of degradation.

Environmental pollution : Polluents types and source of pollution- Air water sound pollution.

Unit IV

Concept of environmental management, approaches and ecological basis

Emerging environmental problems - global warming food security population explosion, sustainable development.

Unit V

Environmental Legislation - The Stockholm Conference, the Earth summit, " Environmental laws in India (the Wild Life Act. Forest Act, Environment protection Act and National Environment Tribunal Act.)



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SEMESTER - III

PRACTICAL

Geological Map Basic Definition, Conformable series and Unconformable series

Statistics: Hypothesis Testing, Chi Test, F Test, Mean Centre, Nearest Neighbour Analysis

Surveying.

Dumpy level:- Meaning of the terms used in levelling. Method of levelling :- simple levelling, differential levelling. Profile.

Theodolite :- Meaning of terms used in theodolite surveying, measurement of horizontal distance & vertical height, accessible and non accessible method.



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SEMESTER-IV

PAPER-I

POPULATION GEOGRAPHY

Unit- 1

Nature and scope of population Geography development of population Geography as field of specialization its relation with the Demography. Source of population data, their level of reliability and problems of mapping the population data.

Unit-2

Population distribution and density; Growth of population theoretical issue, world pattern and determinants. India population distribution, density and growth profile.

Unit-3

Population Composition-Gender issues : age and Sex; literacy and education, rural and urban; urbanization, occupational structure, Population composition of India.

Unit-4

Population Dynamic Measurement of fertility and Mortality; Migration-national and International. India's population dynamics. world patterns of fertility, mortality and internal migration. Population regions of the world and India.

Unit-5

Population and Resource Development : Concept of optimum population, under population and over population. Theories of transition.



SEMESTER-IV
PAPER-II
URBAN GEOGRAPHY

COURSE CONTENTS:

UNIT-I

- (i) Nature and scope of urban geography Approaches and recent trends in Urban geography.
- (ii) Origine and growth of urban settlements ancient, medieval and modern period.

UNIT-II

- (iii) Bases and process of urbanization.
- (iv) Classification of urban settlements on the basis of size and function, functional classification of Towns.

UNIT-III

- (v) Urban growth and theories, central place theory of Chris taller and loach. Contribution of India scholars to the studies of urban settlement.
- (vi) Urban economic base; basic and non-basic function, input output model. City and changing urban functions.

UNIT-IV

- (vii) Organisation of urban space; urban morphology and land use structure, city core, commercial, industrial and residential areas. Morphology of Indian urban settlements and its comparison with western cities.
- (viii) Urban expansion, umland periphery (Fringe).

UNIT-V

- (ix) Contemporary urban issues : Urban sprawl, Urban slums, environmental pollution air, water, noise solid waste, Issue of environmental health.
- (x) Urban policy and planning : City planning, contemporary issues in urban planning, globalization and urban planning in the Third world. Urban land use planning. Green belts & smart city concept.



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SEMESTER-IV

PAPER-III

AGRICULTURAL GEOGRAPHY

COURSE CONTENTS:

UNIT-I

Nature, scope and Development of agricultural Geography. Approaches to the study of agricultural Geography, Commodity, systematic Regional and System, Origin and dispersal of agriculture. Sources of agricultural data.

UNIT-II

Determinates of agricultural land use : physical economic, Social and technological, land use policy and planning, Land use survey and land capability

UNIT-III

Selected agricultural concepts and their measurements : Cropping pattern, crop concentration, Intensity of cropping, degree of commercialization, efficiency and productivity, Crop combination regions.

UNIT-IV

Theories of Agricultural Location. Von Thune's theory of agricultural location and its recent modification, Theories of diffusion and adoption of innovations, Agricultural Typology Kostrovickie's method, 'Agricultural Region concept and method, whittlesey's classification of agricultural regions.

UNIT-V

Agricultural in India, Regional pattern of productivity in India, Green Revolution, white revolution. Specific problems of Indian agriculture, Agriculture policy in India.



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SEMESTER-IV

PAPER-IV

GEOGRAPHY OF TOURISM

Unit- 1

Basics of tourism: Definition of tourism; factor affecting tourism : historical, natural, socio-cultural and economic, motivating factors for pilgrimages : leisure, recreation, element of tourism, tourism as an industry.

Unit-2

Geography of tourism its geographical measure of town. Tourism type ; cultural, eco-ethno-coastal and adventure tourism, national and international tourism ; globalization and tourism.

Unit-3

India tourism: regional dimensions of tourist attraction; tourism in Chhattisgarh.

Unit-4

infrastructure and support system-accommodation and supplementary accommodation; other facilities and amenities; Indian hotel industry.

Unit-5

Impact of tourism: physical, economic and social and perception positive and negative impacts; Environmental law and tourism. Globalization & tourism. Tourism policy of India.



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SEMESTER-IV

PRACTICAL

Remote sensing: Fundamental of Remote Sensing, Components of Image Interpretation.

GIS: An overview of GIS Software, Elements of GIS

Computer Cartography: Advantages of computer cartography, Creation of Graphs and Choropleth Maps.

Field Work: Micro region based socio-Economic Field Work about in 50 pages.

EXCURSION