

**Scheme of Examination
&
Detailed Syllabus**

**Master of Arts
(M.A. Geography)
4th Semester**



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AISECT UNIVERSITY

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AISECT UNIVERSITY, HAZARIBAG (JH)

MASTER OF ARTS (GEOGRAPHY)

Duration : 2 Yrs

Eligibility : Graduation in Geography

SCHEME OF EXAMINATION

COURSE STRUCTURE OF MA GEOGRAPHY IV SEMESTER

Subject Details			Main Examinations				Sessionals ***		Credit Distribution			Allotted Credits
Subject Code	Subject Name	Total Marks	Major		Minor		Max Marks	Min Marks	L	T	P	Subject wise Distribution
			Max Marks	Min Marks	Max Marks	Min Marks						
Semester-IV												
Students can opt one of the three electives from Each paper												
Theory Group												
HMGE401	(Urban Geography and Planning; European Union : A Meso Regional Study; Political Geography)	100	50	17	20	7	30	12	3	1	-	4
HMGE402	(Geography of Tourism and Transport; Geography of Energy; Social Geography)	100	50	17	20	7	30	12	3	1	-	4
HMGE403	(Geography of Ecosystem and Resource Management; Biogeography; Soil Geography)	100	50	17	20	7	30	12	3	1	-	4
			Term End Practical Exam				Lab Performance					
HMGE404	Elective Practical	100	50	17	20	7	30	12	3	1	-	4
Grand Total		400										16

AISECT UNIVERSITY, HAZARIBAGH (JH)

Master of Arts (Geography)

SEMESTER-IV

(ELECTIVE/OPTIONAL PAPERS - XIII; XIV & XV AND XVI-PRACTICAL)

HMGE401 URBAN GEOGRAPHY AND PLANNING

Full marks: 100

Time : 3 Hours

UNIT - I

Bases: Meaning and scope of Urban Geography, Recent trends in urban Geography, Processes and pattern of Urbanization, Origin and evolution of urban settlements, Geographical approaches to the study of Urbanization.

UNIT - II

Characteristics : of cities in different historical period with special reference to India, Definition of Urban places and areal classification of urban places on the basis of size and function, Functional classification of towns.

UNIT - III

Spatiality and models: Size and spacing of cities: Rank size rule, law of Primate City, Nearest Neighbor Analysis; City region; Rural urban fringe, Central Place Theory of Christaller and Losch; Theories of internal structure of cities (Burgess, Hoyt and Harris & Ullman).

UNIT - IV:

Urban Issues and Planning: Urban problems-Environment, Urban poverty, Slums, Transportation, Housing, Crime.

Meaning and concept of urban planning, Components of urban planning; Planned City – Chandigarh, Master Plan, the urban planning administration in India; The town and country planning organization (TCPO), New trends in urban planning, National Urban Policy.

OR

HMGE401 EUROPEAN UNION : A MESO REGIONAL STUDY

UNIT - I:

Introduction: A brief survey of the history of European Union Integration; (Institutions of the Union: The Council of EU Parliament, European Commission, The Court of Justice, Economic and Social Committee etc.) Common Policies of the EU and their implementation.

UNIT - II :

Natural Framework: Natural regions based on physical, climatic and biotic characteristics. Pollution & Human Settlement: Size, Structure & Composition, Population dynamics, Urbanization and Migration.

UNIT - III :

Resources & Economy: Natural resources, mining, agriculture, industry, tourism, trade & transport activities. Their spatial and temporal variations.

UNIT - IV :

Regionalisation and Regional Development; Socio-economic and cultural dimensions of regionalization; Geographical profile of Individual countries in terms of regional development. The role of European Union in the Asian Countries in general and India in particular.

OR

HMGE401 POLITICAL GEOGRAPHY

UNIT - I :

Nature, scope, subject matter and recent development in political geography, approaches to study; major schools of thought.

UNIT - II :

Geographic Elements and State: Physical Elements; Human elements; Economic elements; Political Geography and environment interface.

UNIT - III :

Themes in Political Geography; State, Nation, Nation-State and Nation-building, Frontiers and boundaries, Colonialism, decolonization, Neocolonialism, federalism and other forms of governance. Changing patterns of World Powers Perspectives on core-periphery concept, Conflicts and cooperation.

UNIT - IV :

Geopolitical significance of Indian Ocean: Political geography of any one of the following regions: SAARC Region, South-East Asia, West Asia, East Asia, European Union.

Political geography of contemporary India with special reference to: The changing political map of India, Unity and diversity: centripetal & centrifugal forces; stability & instability' Interstate issues (like water disputes & riparian claims) and conflict resolutions insurgency in border states; Emergence of New States; Federal India: Unity in Diversity.

Note : The region may also be selected from the regions not referred to above, depending on the expertise available with the Department.

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HMGE402 GEOGRAPHY OF TOURISM AND TRANSPORT

Full marks: 100

Time : 3 Hours

UNIT - I

Nature, Scope, Significance and Development of Transport Geography, Factors associated with the development of transport system, Physical Economic, Social, Cultural and Institutional, Technological and Regional development and transport development.

UNIT - II

Transport policy and planning, transport development in developing countries, urban transportation, Growth and problems of urban transportation, Transport and environment degradation, Vehicular pollution and congestion, Alternatives to transport system in Mega cities of India. National highway development and planning in India.

UNIT - III

Basis of tourism, Definition of tourism, Factors influencing tourism, Historical, Natural, Social, Cultural and Economical. Motivating factor for pilgrimages, leisure, Recreation, elements of tourism as an Industry. Geography of tourism, its spatial affinity, Areal and Locational dimension comprising physical, cultural, Historical and Economical. Tourism types; eco-ethno' Coastal and adventure tourism, National and International tourism, Globalization and tourism.

UNIT - IV

Tourism circuits-short and longer detraction, Agencies and international, Indian hotel industry, Impacts of tourism, Physical economic and social and perceptual, Positive and negative impacts, Environmental laws and tourism, current trends spatial pattern and recent changes, Role of foreign capital and impact of globalization on tourism.

OR

HMGE402 GEOGRAPHY OF ENERGY (PAPER - XIV)

UNIT - I :

Introduction : nature and scope; concepts, definitions and types of energy resources: energy system.

UNIT - II :

Energy development and environment: Concept of entropy; historical background of energy use and development' issue related to energy use and environment, case studies of developed and developing countries.

UNIT - III :

Geopolitics of Energy:- Global trends of energy production and consumption; issues related to trade, energy crises and various related treaties and agreements.

UNIT - IV :

Energy in India:- Sectoral and temporal pattern of energy consumption: in agriculture, transport and industries; Spatial pattern of energy use with reference to different states and rural and urban areas, metropolitan cities; energy needs. Planning: various energy related agreements of India with other countries; Institutional arrangements, policy models and energy management process in India.

Energy Conservation:- Future prospects and protections of global energy trends and problems; methods of energy conservation; traditional vs. modern, energy management and sustainable development; potential zones of energy conservation.

OR

HMGE402 SOCIAL GEOGRAPHY

UNIT - I :

Nature and development of social geography, philosophical bases of social geography-Positivists; structuralism; radical, humanist, post-modern and post structuralism; social geography in the realm of social sciences.

UNIT - II :

Space and society : Understanding society and its structure and process; geographical bases of social formations; contribution of social geography to social theory; power relations and space.

UNIT - III :

Towards a social geography of India; Social differentiation and region formation; evolution of socio-cultural regions of India; bases of social region formation; role of race, caste, ethnicity; religion and languages; Indian unity and diversity; social transformation and change in India.

UNIT - IV :

Social well-being: Concepts of social well-being, physical quality of life, Human development; measurement of human development with social, economic and environmental indicators; Rural urban deprivation in India with respect to health care; education and shelter; deprivation and discrimination issues relating to women and under privileged groups; Patterns and bases of rural and urban society.

Public policy and social planning in India; review of Five year Plans and area plans towards social policy in India; Strategies to improve social well-being in tribal, hill, drought and flood prone areas; Social and environmental impact assessment of development projects.

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HMGE403 GEOGRAPHY OF ECOSYSTEM AND RESOURCE MANAGEMENT

Full marks: 100

Time : 3 Hours

UNIT - I

Ecosystem: Concept and component, Ecological concepts, Trophic level, Ecological pyramid, Ecological niche, Food Chain and Food webs.

UNIT-II

Major terrestrial ecosystem of world: Agriculture forests, Grassland and desert, Biodiversity and its conservation.

UNIT - III

Conservation and management of the resources: Meaning, Principles and approaches to conservation and management methods, Problems of resources utilization, Resources appraisal and policy making.

UNIT - IV

Preservation and conservation of ecosystem through resources management, carrying capacity of the earth, Man-environment relationship: resources use and ecological imbalance with reference to soil, Forests and energy resources.

OR

HMGE403 BIOGEOGRAPHY (PAPER - XIII)

UNIT - I :

Scope and development of Biogeography. Environment, Habitat and Plant-animal association, biome types.

UNIT - II :

Elements of Plant geography, distribution of forests and major communities. Plant successions in newly formed landforms. Examples from flood plains and glacial fore fields.

UNIT - III :

Zoogeography and its Environmental Relationship.

UNIT - IV :

Palaeobotanical and Palaeo climatological records of environmental change in India. National Forest Policy of India. Conservation of Biotic Resources.

OR

HMGE403 SOIL GEOGRAPHY (PAPER - XIII)

UNIT - I:

Nature, scope and significance of Soil Geography, its relationship with Pedology. Soil forming factors: parent material, organic, climatic, topographic, Spatio-temporal dimensions. Processes of soil formation and soil development: physical, biotic and chemical. Soil Profile: development; Soil catena, pedogenic regims; podzolization, laterisation, calcification and gleezation.

UNIT - II:

Soil organisms, macro-animals (earthworms, sowbugs, mites, centipedes, rodents and insects), Microanimals and plants – Nematodes, Protozoa rotifers; fungi, bacteria, algae and actinomyces.

UNIT - III:

Physical properties of soils: morphology, texture, structure, water, air, temperature and other properties of soil; Chemical properties of soil and soil reaction; Genetic classification of soils, Taxonomic classification of soils zonal, azonal and intra-zonal soils, their characteristics and world patterns. Soil erosion, degradation and conservation.

UNIT - IV:

Evaluation of land and soil: Parametric and non parametric systems Land capability classification, Soil survey, modern techniques, field study of soil profile and their characteristics. Soil reclamation and management: Soil survey and landforms in environmental management; Integrated soil and water management; Sustainable development of soil resources with reference to India.

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HMGE404 ELECTIVE PRACTICAL

As per Elective/Optional papers being taught in the department.

Full Marks : 100

Time : 6 Hours

UNIT - I

A Study Tour/Project Report on relevant topics: Impact of human activities on Ecosystem and Resource Development of a Region (to be approved by the Departmental Council). 25

UNIT - II

A Study Tour/Project Report on a relevant topic related to tourism and transport of a region (to be approved by the Departmental Council) 25

UNIT - III

A Study Tour/Project Report on urban issues of a city or town (to be approved by the Departmental Council) 25

UNIT - IV

Viva-Voce

25