

**Scheme of Examination
&
Detailed Syllabus**

**Master of Arts
(M.A. Geography)
3RD 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 III SEMESTER													
Subject Details			Main Examinations				Sessionals ***		Credit Distrib ution			Allotte d Credits	
Subjec t Code	Subject Name	Total Marks	Major		Minor		Max Mark s	Min Marks	L	T	P	Subject wise Distrib ution	
			Max Marks	Min Mark s	Max Marks	Min Mark s							
Theory Group													
HMGE 301	Regional Planning and Development (India)	100	50	17	20	7	30	12	3	1	-	4	
HMGE 302	Settlement Geography	100	50	17	20	7	30	12	3	1	-	4	
HMGE 303	Oceanography	100	50	17	20	7	30	12	3	1	-	4	
Elective Skill													
SCIT 201	Web Development	50	30	12	10	4	10	4	1	-	-	1	
Practical Paper													
			Term End Practical Exam				Lab Performance						
HMGE 304	Practical Paper	100	50	17	20	7	30	12	-	1	1	2	
SCIT 201	Web Development	100	50	17	50	17	-	-	-	-	2	2	
Grand Total		550										17	

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SEMESTER – III

**HMGE301 – REGIONAL PLANNING AND DEVELOPMENT
(INDIA)**

Full marks: 100

Time: 3 Hours

Unit I:

Regional concept in Geography, Merits and limitations for application to regional planning and development approaches to delineation of different types of regions and their utility in planning, planning process: sectoral, temporal and spatial dimensions, Short-term and long-term perspective planning.

Unit II:

Types of region: Formal and Functional, Uniform and Nodal, Single purpose and Composite region in the contest of planning, Physical regions, resource regions, Special purpose region-river valley regions, Metropolitan regions.

Unit III:

Planning for region's development; Regions hierarchy; Multi-level planning in national context; decentralized planning; people's participation in planning.

Unit IV:

Indicators of development and their data sources, measuring levels of regional development and disparities – a case study of Jharkhand, regional development in India – problem and prospects.

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SEMESTER – III

HMGE301 – SETTLEMENT GEOGRAPHY

Unit 1:

Evolution and growth of human settlement, Theories of evolution of Settlements; Spatial and temporal trends in size and growth of settlements.

Spatial distribution: Pattern and types of Rural settlements; Theoretical models (Nearest Neighbour and Gravitational model).

Unit 2:

Settlements structure: Morphological structure of cities, Empirical and theoretical models (Burgess, Hoyt and Harris & Ullman). Functional classification of urban centers.

City region and rural-urban fringe.

Unit 3:

Functional typology of villages; Social, Economic, Cultural factors influencing the dynamics of settlement structure. Settlement hierarchy: Theories of Christaller and Losch (CPT) and their application to settlement hierarchy. Factors contributing to settlement hierarchy. Measurement of centrality and hierarchy.

Unit 4:

Issues, Perspectives and policies on population and human settlements. Interface between human settlements and environment. Contemporary urban issues: Urban renewal, urban sprawl, slums, green belts, garden cities. Transformation and planning of Indian Village.

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SEMESTER – III

HMGE303 – OCEANOGRAPHY

Unit 1:

Nature and scope of Oceanography, History of Oceanography, Origin of ocean basin, Major features of ocean basin

Unit 2:

Physical and chemical properties of sea water (density, temperature, salinity etc.), Ocean currents, Wave and Tides.

Unit 3:

Marine Biological Environment, Types of Organisms, Plankton, Nekton and Benthos, Major marine environments-Coastal, Estuaries, Delta and Deep pelagic environment.

Unit 4:

Relief of Indian Ocean, Marine deposits and resources, Coral reefs, Impacts of human on the marine environment. Climatic and eustatic changes.

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SEMESTER - III

HMGE304 – PRACTICAL PAPER

Unit - I

Resources techniques and design, Methods of data collection and sampling. 20

Unit - II

Construction and interpretation of Climograph, Hythergraph, Isopleth, Chloropleth, Pyramid diagram, Erograph, Lorenz Curve, Flow Diagram; Nearest neighbor Analysis. 20

Unit - III

Field Study- Survey and report (approved by the Head of the Department) 15+5=20

Field tour and report (any geographical region of country) 15+5

Unit - IV

Practical note-book and viva-voce
10+10=20

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SEMESTER – III

SCIT 201 – WEB DEVELOPMENT

UNIT- 1

Know the Computer -, Introduction, What does computer stand for? Strengths of computers, Fundamental uses of computers, Types of Computers.

Input Devices - Introduction, Input Device, Typing Input Devices, Pointing Input Devices, Scanning Input Devices, Audio Visual Input Devices

Output Devices - Introduction, Output Devices, Soft Copy vs. Hard Copy Output, Monitor, Printers, Plotter.

UNIT 2

Central Processing Unit - Introduction, What is Central Processing Unit, Storage and its needs, Data Access Methods, Primary Storage, Secondary Storage, Hard Disk Operations, Floppy Disk Drives, CD-R, CD-RW, DVD, Flash Drives, Blue Ray Disk, Memory Card. PDF to Word Converter, word to PDF converter, PPT design, Excel data processing , Paint.

UNIT 3

Internet - Introduction, What is Internet actually ?, Growth of Internet, Internet Service Provider, Anatomy of Internet, ARPANET and Internet history of the World Wide Web, Services Available on Internet (Internet Tools), Basic internet terminologies, net etiquette, Application of internet.

UNIT 4:

WORLD WIDE WEB - Introduction, Basic Features, Evolution of the WWW, Browsers, URL (web address), Search Engines, Searching The Web.

ELECTRONIC MAIL -Introduction, What is an E-mail?, Concept of Email, How Does Email Work ?, Structure of an E-mail, Setting up a Mail Account.

List Hyper Text Mark-up Language -Introduction, Concept of Hyper Text Mark-up Language, Versions

of HTML, HTML Editors, Elements of HTML, Document Layout, Setting Up A Form, Creating A Menu.

UNIT-5

Concepts of Hypertext, HTML introduction, features, uses & versions Using various HTML tags, Elements of HTML syntax, Head & Body Sections, , Inserting texts, Text alignment, Using images in pages, Hyperlinks – text and images, Backgrounds

and Colour controls, creating and using Tables in HTML, and presentation, Use of font size & Attributes, List types and its tags.

Practical:

1. WAP which shows headings five time in ascending order. Align the heading also.
2. Write a program which show four paragraph under four headings.
3. Write a program for formatting the text & marked highlighted text.
4. Write a program to insert an image in a page.
5. Write a program to make a table for any company employee's data record.
6. Write a program to make forms for different uses.
7. Write a java script to print the heading and paragraph & also create a button
8. Write a program to upload video on web page.
9. Write a program to change the back ground of any page.
10. Write a program to create a link between pages.

Reference Books:

1. Frontiers of Electronic Commerce, By- Kalakota, Ravi ; Stone, Tom ; Whinston, Andrew B, Addison Wesley Publishing Co , ISBN 8178080575
2. E-Commerce An Indian Perspective (Second Edition) – by P.T. Joseph, S.J. Prentice-Hall of India
3. Internet & Web Design by A. Mansoor, Pragma Publications.
4. Learn HTML in a weekend by Steven E. Callihan, PHI
5. Using HTML By Lee Anne Phillips, PHI
6. SAMS Teach Yourself Javascript in 24 Hrs. By Michael Moncur, TechMedia