

DEPARTMENT OF GEOGRAPHY

COURSE CURRICULUM & MARKING SCHEME

M.A. GEOGRAPHY

Semester - III

SESSION : 2023-24



ESTD: 1958

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE, DURG, 491001 (C.G.)

(Former Name – Govt. Arts & Science College, Durg)

NAAC Accredited Grade A⁺, College with CPE - Phase III (UGC), STAR COLLEGE (DBT)

Phone : 0788-2212030

Website - www.govtsciencecollegedurg.ac.in, Email – autonomousandurg2013@gmail.com

**GOVT. V.Y.T. P.G. AUTONOMOUS COLLEGE
DURG (C.G.)**

SYLLABUS

FOR

P.G. GEOGRAPHY
SEMESTER EXAMINATION
M. A. SEM. EXAM. : III (2023-2024)

APPROVED BY BOARD OF STUDIES
DEPTT. OF GEOGRAPHY

Syllabus and Marking Scheme for M.A.Third Semester

Session 2023-24

| Paper No. | Title of the Paper | Marks Allotted in Theory | | Marks Allotted in Internal Assessment | | Credits |
|-----------|--|--------------------------|-----|---------------------------------------|------|---------|
| | | Max | Min | Max. | Min. | |
| I | OCEANOGRAPHY | 80 | 16 | 20 | 04 | 05 |
| II | SETTLEMENT GEOGRAPHY | 80 | 16 | 20 | 04 | 05 |
| III | REGIONAL GEOGRAPHY OF MESO REGION OF THE WORLD WITH SEPECIAL REFERENCE TO MONSOON ASIA | 80 | 16 | 20 | 04 | 05 |
| IV | RESEARCH METHODOLOGY | 80 | 16 | 20 | 04 | 05 |
| V | Practical : REMOTE SENSING AND QUANTITATIVE TECHNIQUE | 100 | 36 | | | 04 |
| | Total | 420 | | 80 | | 24 |

| | | |
|------------------------|----------|------------|
| 04 Theory papers | - | 320 |
| 04 Internal Assessment | - | 80 |
| 01 Practical | - | 100 |
| (A) Lab Work | - | 70 |
| (B) Record & Viva | - | 30 |
| Total Marks | - | 500 |

Note: 1. 20 marks = 01 credit in Theory Papers and 25 Marks = 01 Credit in Practical/Project work The

Syllabus for M.A. GEOGRAPHY is hereby approved for the sessions 2023-24

Name and Signatures

| | |
|--|--|
| Chairperson / H.O.D <i>Bm 25/7/22</i> Subject Expert <i>[Signature]</i> Subject Expert <i>[Signature]</i> Subject Expert <i>[Signature]</i> | Departmental members 1. <i>[Signature]</i> 2. <i>[Signature]</i> 3. <i>[Signature]</i> 4. <i>[Signature]</i> |
|--|--|

GOVT. V.Y.T. PG. AUTONOMOUS COLLEGE DURG

M.A.III Semester Geography

Session –2023-24

PAPER – I

OCEANOGRAPHY

M . M. 80

Unit – I

Introduction:

1. Oceanography: Nature and scope
2. Historical development of Oceanography.
3. Major features of ocean Basins: Continental Shelf, Continental Slope, Deep Sea Plain and Trenches
4. Marine Deposits.

Unit – II

Physical and chemical properties and Currents of sea water:

5. Temperature & Salinity
6. Surface Currents of Pacific, Atlantic & Indian Ocean.
7. Thermohaline
8. Tides: Meaning and concept, Generation forces, Tide timing, Types of tide
Theories of Tide origin: Stationary Waves Theory of Harish and
Progressive Wave Theory of William Havell.

Unit – III

Marine Biological Environment:

9. Bio – Geochemical cycles in the ocean,
10. Marine Biozones: Concept, Significances and types.
11. Types of Organisms (Marine life Forms):- Plankton, Nekton and Benthos,
12. Major Marine Environment: Coastal Wetland, estuaries & pelagic Habitats Environment

Unit –I V

13. Impact of Human on Marine Environment

14. Exclusive economic zone,

15. Law of Sea

16. Formation of coral – reefs: Theories of Coral –reef and Atolls

I. Subsidence Theory of Darwin

II. Stand Still Theory of Murray

III. Glacial Control Theory of Dally

Suggested Readings

1. Davis, Richard J.A. : "Oceanography – an Introduction to the Marine Environment" Wm. C. Brown.
2. Duxbury. C.A. and Duxbury B. : An Introduction to the World's Oceans – C. Brown. Towa 2nd ed.1996.
3. Sharma, R.C. : "The Oceans" Rajesh N. Delhi, 1985.
4. Ummerkutty, A.N.P. Science of the Oceans and Human life, NBT, New Delhi 1985.
5. सिंह ,सविन्द्र – समुद्र विज्ञान ,प्रयाग पुस्तक भवन ,इलाहाबाद
6. नेगी ,बी. एस. : जलवायु तथा समुद्र विज्ञान ,केदारनाथ ,रामनाथ प्रकाशन ,मेरठ

DIRECTIVES FOR STUDENTS, FACULTY AND EXAMINERS

There shall be very short, short and long answer type of questions in each and every Unit of the syllabus

The students are required to study the content mentioned in the curriculum exhaustively.

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Question paper format for the Post-Graduate Examination has been revised from the Session 2018-19. The revised format will be applicable for all the question papers of Semester I, II, III & IV. The following are the main points of the new format:

1. The question paper will be of **80 marks** (as before)
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 - Q.4 Long answer type questions (Answer in 400-450 words) (12 Marks)

| Type of Question | Unit-I | Unit-II | Unit-III | Unit-IV |
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| Very Short (2 Questions) (Maximum two sentences) | 2 x 2 = 4 Marks | 2 x 2 = 4 Marks | 2 x 2 = 4 Marks | 2 x 2 = 4 Marks |
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Note:

1. Question no. 1 and Question 2 will be compulsory.
2. Question no. 3 and 4 will consist of 2 optional questions of which one has to be attempted.
3. As mentioned above, two compulsory very short answer type questions (2+2 marks), one short answer type question with internal choice (4 marks) and one long answer type question with internal choice (12 marks) will be asked from each unit.
Thus there will be questions of 20 marks from each unit and of total 80 marks from all the four units of the syllabus/syllabi.
4. Some papers of English Literature consist of Literary Text. In such question papers, one annotation of 4 marks from each unit will be asked instead of short answer type question. The papers which do not contain literary texts the question paper format and marking scheme will remain the same.
5. For Hindi Literature, refer the Hindi version.
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M.A.III Semester Geography

Session – 2023-24

PAPER – II

SETTLEMENT GEOGRAPHY

M. M. 80

Unit – I

- 1: Definition, Scope and Subject Matter.
- 2: Evolution of Rural Settlements.
- 3: Types of Rural Settlements.
- 4: Morphology of Rural Settlements.

Unit – II

- 1: Rural Dwellings and House Types.
- 2: Rural Service Centers.
- 3: Problems of Rural Settlements.
4. Planning of Rural Settlements.

Unit – III

- 1: Site and Situation of Towns.
- 2: Origin and Growth of Towns.
- 3: Urban Functions and Functional Classification of Towns.
- 4: Central Place Theory.

Unit – IV

- 1: Hierarchy of Urban Settlements.
- 2: Urban Land –use and Internal Structure of Cities.
- 3: Urban Morphology.
- 4: Urban Problems and Urban Planning.

Suggested Readings

1. Baskin, C. (Translator), Central Places in Southern Germany, Prentice – Hall Inc. Englewood Cliffs New Jersey, 1966, Originally written by C.W. Christaller in German with title Die Zentralen Orte in Suddeutsch Land in 1933.
2. Census of India, House types and Settlement Patterns of Villages in India, GOI, New Delhi 1961.
3. Haggett, Peter, Andrew D. Chiffand Allen Frey (editors), Locational Models Arnold Heinemann 1979.
4. Mayer, M. Harold and Clyde F. Kohn (editors), Readings in Urban Geography, Central Book Depot, Allahabad 1967
5. Ramachandran, R, Urbanisation and Urban systems in India, Oxford University, Press New Delhi 1992.
6. Singh R.L. and Kashi Nath Singh (editors), Readings in Rural Settlement Geography, National Geographical Society of India, Varanasi 1975.
7. Sinha V.N, Verma U and Sahay A – Introduction to Settlement
8. Geography, Rajesh Publications New Delhi, 2017.
9. राव, बी, पी, नगरीय भूगोल, वसुन्धरा प्रकाशन, गोरखपुर उ.प्र. 2000-1
10. बंसल, सुरेन्द्र चन्द्र : नगरीय भूगोल, मीनाक्षी प्रकाशन, मेरठ
11. तिवारी, आर, सी : अधिवास भूगोल, आर.के. बुक्स नई दिल्ली, 2009
12. सिंह, उजागर : नगरीय भूगोल, उ.प्र. हिन्दी ग्रंथ अकादमी, लखनऊ, 1974



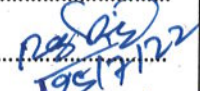
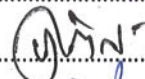




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M.A.III Semester Geography

Session – 2023-24

PAPER – III

**REGIONAL GEOGRAPHY OF MESO REGION OF THE WORLD WITH SEPECIAL
REFERENCE TO MONSOON ASIA**

M . M. 80

Unit – I

- 1: Region as a geographical entity: meaning definition, evolution and regional Concept.
- 2: Basis of Regionalization/ grouping of countries – Natural Region.
- 3: Cultural Region & political Region
- 4: A Survey of systematic grouping countries:- examples : Monsoon Asia-East Asia, South Asia, South-East Asia.

Unit – II

- 5: Systematic Geography of monsoon Asia, physical resources- Mineral Resources
- 6: Power Resources – coal, petroleum, hydro-electricity.
- 7: Biotic Resources - Forest
- 8: Physical resources and development issues of Monsoon Asia.

Unit – III

- 9: Systematic Geography of monsoon Asia in terms of population
- 10: Human Settlements in monsoon Asia.
- 11: Urbanization of monsoon Asia
- 12: Immigration

Unit – IV

- 13: Systematic Geography of monsoon Asia in terms of its economy – Agriculture
- 14: Industries in monsoon Asia.
- 15: Region in the context of globalization
- 16: Changing population environment Relationship.

Suggested Readings

1. Ahmad, K.S. : Geography of Pakistan, Oxford University Press, Karacht, 1964.
2. Dobby, e.h.g. : Southeast Asia, University of London Press, London 1960.
3. Spate, O.H.K. and Learmonth, A.T.A. : India and Pakistan and Ceylon, Methuen & Co. London, 1967.
4. Trewartha, G.T. : Japan : A Physical and cultural Geography, University of Wisconsin Press, Madison, 1965.
5. Wolmington, M.W. : Middle East ; Centre of Supply. University Press, London, 1971
6. मौर्य ,एस ,डी. : वि व का प्रांदेशिक भूगोल ,प्रवालिका प्रकाशन 2015
7. सिंह ,का गीनाथ : मानसून एि तया ,तारापब्लिकेशन ,वाराणसी उ.प्र.

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M.A.III Semester Geography

Session – 2023-24

PAPER – IV

RESEARCH METHODOLOGY

M . M. 80

Unit – I

- 1 Research Methodology – An Overview, Procedure of scientific Research.
2. Defining Research Problem,.
3. Formulation Hypothesis.
4. Research Design.

Unit -2

- 1 Methods of Data Collection.
- 2.Observation, Questionnaire, Schedule and Intervie..
3. Sampling Methods
4. Size of Sampl

Unit -3

1. Processing and Analysis of Data.:Processing.
2. : Processing, Editing.
3. –Coding.
4. Coding. Classification and Tabulation, Analysis –Measurement of Central Tendency, Dispersion and Correlation..

Unit -4

1. Preparation of Research Reports
2. Steps of Research Reports,
3. Layout,
4. Types of Reports.

Suggested Readings

1. Ackerman , E.A. : Geography as a Fundamental Research Discipline, University of Chicago.
2. Agarwal, A and Narain,S : The Citizens Fifth Report, Centre for Science and Environmental, New Delhi, 1999.
3. Chorley, R.J. : Geomorphology and General System theory, U.S.G.S. Professional Paper 500 B,1962
4. Kormondy, E.J.: Concept of Ecology, Prentice Hall,1989.
5. Nobel and Wright : Environmental Science, Prentice Hall, New York,1996.
6. Sharma, H.S. : Ranthambore Sanctuary- Dilemma of Eco- development, Concept, New Delhi,2000.
7. बंसल ,सुरे । चन्द : भाोध विधि तंत्र :भूगोल,,मीनाक्षी प्रका ।न मेरठ, उ.प्र.
8. खत्री ,हरी । कुमार : भूगोल में भाोध प्रविधि, कैला । पुस्तक सदन भोपाल
9. डॉ. सैनी : भाोध विधि तंत्र
10. द्विवेदी आर.एन : रिसर्च मेथोडोलोजी

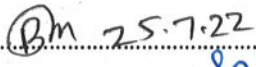





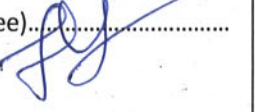

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M.A.III Semester Geography

Session – 2023-24

PAPER – V

PRACTICAL - III

REMOTE SENSING AND QUANTITATIVE TECHNIQUES

M. M. 100

Unit-I

Study of satellite Image-Annotation, Identification of features on FCC Imageries, Tracing of details from satellite imageries.

Unit-II

Basic Principles of Image interpretation of Physical and cultural details and preparation of Land use and Land cover map using IRS Images .
cartographic Modeling : Supervised and Unsupervised digital image classification.

GPS : Use of GPS to check /update the existing topographical map.

Unit-III

Measures of Central tendency, Dispersion and Variability, Product Moment Correlation, Rank Correlation

Unit-IV

Linear ~ Regression.

Unit- V

Hypothesis Testing; Chi- square and “T” tests,
Sampling Techniques:Point, Line and Area Sampling..

Suggested Readings

1. Gregory, S. Statistical Methods and the Geographer, London,1978.
2. Johnston R.J. , Multivariate Statistical Analysis in Geography, Longman, London, 1973.
3. Rao D.P. (eds.) Remote Sensing For Earth Resources, Association of Exploration Geophysicists, Hyderabad, 1998.
4. Singh R.L.and Dutta, P.K. : Elements of Practical Geography, Students Friends,Allahabad. 1968.
5. Negi, BALBIR Singh, Practical Geography Thrid revised Ed. Kedar Nath ani.e.A 1958
6. श्रीवास्तव ,बी ,के ;भूगोल में सांख्यिकीय ,वसुन्धरा प्रकाशन

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| <p>Chairperson/H.O.D. <i>Bm 25.7.22</i></p> <p>Subject Expert (University Nominee)..... <i>Xisrey</i></p> <p>Subject Expert (College Nominee)..... <i>flba</i></p> <p>Subject Expert (College Nominee)..... <i>FLV 25/7/22</i></p> <p>Subject Expert (College Nominee)..... <i>20/10/22</i></p> | <p>Departmental members</p> <p>1. <i>Jd</i></p> <p>2. <i>QNR</i></p> <p>3. <i>[Signature]</i></p> <p>4. <i>[Signature]</i></p> |
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Govt. V.Y.T. PG Autonomous College, Durg (C.G.)

Autonomous Examination Cell

Question Paper Format and Distribution of Marks for PG Semester Examination

Question paper format for the Post-Graduate Examination has been revised from the Session 2018-19. The revised format will be applicable for all the question papers of Semester I, II, III & IV. The following are the main points of the new format:

1. The question paper will be of **80 marks** (as before)
2. Questions will be asked Unit-wise in each question paper.
3. From each Unit, the questions will be asked as follows :

- Q.1 Very short answer type question
(Answer in one or two sentences) (02 Marks)
- Q.2 Very short answer type question
(Answer in one or two sentences) (02 Marks)
- Q.3 Short answer type question (Answer in 200-250 words) (04 Marks)
- Q.4 Long answer type questions (Answer in 400-450 words) (12 Marks)

| Type of Question | Unit-I | Unit-II | Unit-III | Unit-IV |
|---|----------------------|----------------------|----------------------|----------------------|
| Very Short (2 Questions) (Maximum two sentences) | 2 x 2 = 4 Marks | 2 x 2 = 4 Marks | 2 x 2 = 4 Marks | 2 x 2 = 4 Marks |
| Short (1 Question) 200-250 words | 1 x 4 = 4 Marks | 1 x 4 = 4 Marks | 1 x 4 = 4 Marks | 1 x 4 = 4 Marks |
| Long answer (1 Question) 400-450 words | 1 x 12 = 12 Marks | 1 x 12 = 12 Marks | 1 x 12 = 12 Marks | 1 x 12 = 12 Marks |

Note:

1. Question no. 1 and Question 2 will be compulsory.
2. Question no. 3 and 4 will consist of 2 optional questions of which one has to be attempted.
3. As mentioned above, two compulsory very short answer type questions (2+2 marks), one short answer type question with internal choice (4 marks) and one long answer type question with internal choice (12 marks) will be asked from each unit.
Thus there will be questions of 20 marks from each unit and of total 80 marks from all the four units of the syllabus/syllabi.
4. Some papers of English Literature consist of Literary Text. In such question papers, one annotation of 4 marks from each unit will be asked instead of short answer type question. The papers which do not contain literary texts the question paper format and marking scheme will remain the same.
5. For Hindi Literature, refer the Hindi version.
6. Internal Assessment Examination will be as follows :
 - i. Internal Test in each paper (20 marks)
 - ii. Seminar (Power point presentation) in any one of the paper (20 marks)
 - iii. Assignment in each of the remaining papers (excluding the paper of Seminar. (20 marks)
 - iv. Average of marks obtained in internal test + seminar in any one paper and marks obtained in internal test + assignment in rest of the papers will be calculated and taken into consideration.

