

***Government College (Autonomous)
Rajamahendravaram***



DEPARTMENT OF GEOGRAPHY
BOARD OF STUDIES
(Modular and Choice based credit system)
(Newly introduced teaching system of PEDAGOGY)

2017-2018

PREFACE

THE DEPARTMENT OF GEOGRAPHY

Geography is the study of Earth's crust. It deals with physical, social, and economic aspects

It is presumed that the Department of Geography was established in the year 1958. The subject Geography is under part – II at undergraduate level. This is the first Government College in Andhra Pradesh to have this subject of Geography at undergraduate level. The requisite of qualification to join in this group is completion of intermediate/10+2 with any subject. The college was declared autonomy during the year 2000-01. Presently there are two combinations i.e. B.A GHP group and B.Sc GGC group. This B.Sc Geography, Geology and Computer Science group was introduced during the year 2008 – 09.

This group is a feed back to Geo-informatics for post graduation. Presently Geography course under part – II optional paper. We admit the program 30 students in each combination per year.

Proceedings of the Principal, Government College [A], Rajamahendravaram

Present: Dr. R. David Kumar Swamy, M.Sc, M.Phil., Ph.D

Rc. No: Spl. /Acad. Cell-GC[A]-RJY/2017-1, Dated: 4 January 2017

Sub:- Government College [A], Rajahmundry – **Boards of Studies (BOS)** – Nomination of Members - Orders Issued.

Ref:- UGC Autonomous Guidelines 2012 -17.

ORDER:

The Principal, Government College [A], Rajamahendravaram is pleased to constitute **Board of studies in GEOGRAPHY** for framing the syllabi in Telugu subject for all semesters duly following the norms of the UGC Autonomous guidelines.

S. No	Name	Designation
1	Lt. D. Rudra, Lecturer In- Charge, Department of Geology, GC[A], Rajamahendravaram	Chairman
2	All Faculty members in the department	Member
3	K. Somaiah, DNR College, Bhimavaram	Subject Expert
4	K.C.S.V. Ramana, YN College [A], Narasapur	University Nominee
5	M. Mukharjee	Student Nominee

The above members are requested attend the BOS meetings and share their valuable views, suggestions on the following functionalities:

- Prepare syllabi for the subject keeping in view the objectives of the college, interest of the stake holders and national requirement for consideration and approval of the Academic Council
- Suggest methodologies for innovate teaching and evaluation techniques
- Suggest panel of names to the Academic council for appointment of examiners
- Coordinate research, teaching, extension and other activities in the department of the college.

The term of the members will be two years from the date of the nomination. The Chairman of the BOS (HoD/ lecturer In-Charge of the department) is directed to coordinate with the Principal of the College and conduct BOS meetings as and when necessary, but at least once a year.



PRINCIPAL
GOVERNMENT COLLEGE [A]
RAJAHMUNDRY

Copy to:

- The above individuals
- File

**Composition of Board of Studies
Department of Geography
Government College [A], Rajamahendravaram**

S. No	Name	Designation
1	Lt. D. Rudra, Lecturer In- Charge, Department of Geology, GC[A], Rajamahendravaram	Chairman
2	All Faculty members in the department	Member
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4	K.C.S.V. Ramana, YN College [A], Narasapur	University Nominee
5	M. Mukherjee	Student Nominee
6	Dr. R. David Kumar, Principal, GC[A], RJY	Special Invitee

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM

DEPARTMENT OF GEOGRAPHY

Consolidated Report of Board of Studies for the Year 2017-2018

The board of studies of Geography Department was convened on _____ at _____ under the chairmanship of _____ the following member were present.

Name		signature
	University Nominee	
	Local nominee	
	Subject expert from industry	
	Staff member	
	Staff member	
	Staff member	
	Student	
	Student	
	Student	

The following documents are submitted to the academic coordinator and controller of examination:

1. Resolutions of board of studies meeting.
2. Syllabus of I, II, III, IV, V and VI semesters.
3. Model question papers of all subjects for I, II, III, IV, V and VI semesters.
4. List of revised examiners (if any)
5. Any other new proposal

Date

Chairman
Board of studies
Department of Geography

GOVERNMENT COLLEGE (AUTONOMOUS):RAJAMAHENDRAVARAM**DEPARTMENT OF GEOGRAPHY****Board of studies 2017-2018 (Modular and Choice based credit system)**

S No	Semester	Module	Hours/ week	Max Marks	Credits
1	I (Core)	Geography of India	4	60+40	3
2	Practical	Maps and Scales	3	50	1
3	II (Core)	Physical Geography-1 Geomorphology	4	60+40	3
4	Practical	Representation of Physical Features	3	50	1
5	III (Core)	Physical Geography-2 Climatology - Oceanography	4	60+40	3
6	Practical	Representation of Climatic Data	3	50	1
7	IV (Core)	Human Geography	4	60+40	3
8	Practical	Maps projections	3	50	1
9	V (Core)	Regional Geography of India -1 Physical, Cultural, and Economic settings in India	3	75+25	3
10	V (Advanced)	Remote sensing. Fundamentals of Remote sensing, Platforms Sensors, and Products	3	75+25	2
11	V (Skill Based) - Elective	Regional Geography of Asia-1 Physical, and Cultural settings in Asia	3	75+25	2
12	Practical	Projections, and Field Survey	3	75+25	2
13	VI (Core)	Regional Geography of India -2 Agriculture, Industries, Transportation in India and Regional Geography of Andhra Pradesh	3	75+25	3

14	VI (Advanced)	Geographic Information system. Fundamentals of Geographic information system, and D B M S ,and G I S Analysis	3	75+25	2
15	VI (Elective- Skill Based)	Regional Geography of Asia-2 Economic settings in Asia	3	75+25	2
16	Practical	Remote sensing and Geographic information system	3	75+25	2
17	Project work				1
18	Others				1
					30

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM

DEPARTMENT OF GEOGRAPHY

Board of Studies Meeting 2017 – 2018

RESOLUTIONS:

1. Resolved and approved the I B. A. / B. Sc., I and II Semesters and introduced Newly introduced teaching system of PEDAGOGY approved for the academic year 2017 – 2018,
2. Resolved and approved I B.A / / B. Sc., I and II Semesters and II B. A. / B. Sc., revised III and IV Semesters conducted practical examinations semester wise. Each practical paper 50 marks
3. Resolved and approved the I B. A. / B. Sc., I and II Semesters Syllabus are approved for the academic year 2017 – 2018, and introduced modular and CBCS system.
4. Resolved and approved the II B. A. / B. Sc., revised III and IV Semesters Syllabus are approved for the academic year 2017 – 2018. and introduced modular and CBCS system.
5. Resolved and approved the III B. A. / B. Sc., Paper – III and Paper – IV - V and VI Semesters Syllabus are approved for the academic year 2017 – 2018.
6. Resolved and approved the revised I B. A. / B. Sc., I and II Semesters Model Question Papers are approved for the academic year 2017 – 2018.
7. Resolved and approved the II B. A. / B. Sc., III and IV Semesters Model Question Papers are approved for the academic year 2017 – 2018.
8. Resolved and approved the III B. A. / B. Sc., Paper – III and Paper – IV , - V and VI Semesters Model Question Papers are approved for the academic year 2017 – 2018.
9. Resolved and approved the I B. A. / B. Sc., syllabus, Model Question Papers for Practical Examinations approved for the academic year 2017 – 2018.
10. Resolved and approved the revised II B. A. / B. Sc., syllabus, Model Question Papers for Practical Examinations approved for the academic year 2017 – 2018.
11. Resolved and approved the III B. A. / B. Sc., Paper – III and Paper – IV, syllabus, Model Question Papers for Practical Examinations approved for the academic year 2017– 20178.
12. Resolved and approved the List of Theory and Practical External Examiners for I, II, III, IV, V, VI Semesters and I, II, III B. A. / B. Sc., for the academic year 2017 – 2018.

University Nominee

Local Nominee

Chairman Board of Studies
Department of Geography

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY

SYLLABUS – 2017-2018

FIRST YEAR B.A. /B.Sc. SEMESTER –I

MODULE -1: GEOGRAPHY OF INDIA

UNIT - 1 :

1. India Location – Relief – Structure - Climate.
2. India – Soils – Natural Vegetation

UNIT – 2 :

- 1 India – Population Growth – Distribution – Density - Literacy.
- 2 Human Settlements – Types - Urbanization.

UNIT – 3 :

1. India – Irrigation system – Agriculture problems in India – Green Revolution.
2. Energy and Mineral resources – Coal – Iron ore – Mica. Power projects .

UNIT – 4 :

1. Industries – Iron and steel – Cotton textile – Sugar

UNIT – 5 :

1. Indian Transportation - International Trade – Major exports and imports.

Basic Texts:

1. Sharma and Coutino (1980) Economics and Commercial Geography of India, Vikas Publication, New Delhi.
2. Spate, O.H.K. and Learmonth, A.T.A (1972) India and Pakistan, B.I. Publications, Madras.
3. Prithvish Nag and Sengupta, S. (1999) Geography of India, Concept, New Delhi.
4. Alam, M.S. (1974) Planning Atlas of Andhra Pradesh, Govt of India and Andhra Pradesh, Hyderabad.

Additional Texts:

1. Sing, R.L. (1976) Regional Geography of India, NGSI, BHU, Varanasi.
2. Mamoria, C.B (1995) Economic and Commercial Geography of India, Shiva Lal Agarwala, Agra.

Approved the syllabus for the year 2017 – 2018

- | | | |
|---------|---|---------------------------|
| 1 | : | University Nominee |
| 2. | : | Local Nominee |
| 3. | : | Chairman Board of Studies |

GOVERNMAENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
FIRST SEMESTER MODEL QUESTION PAPER - 2017-2018
B.A. / B.Sc. GEOGRAPHY

PAPER – I : GEOGRAPHY OF INDIA

Time: 3 Hrs

Max.Marks: 60

PART – A

Answer the following Questions

4 X 8 = 32 M

ఈక్రింది వానిలో ఏదైనా నాల్గింటికి వ్యాసరూప సమాధానములు వ్రాయుము

1. a). What are the Major Physical Divisions of India? Explain any One of them?
భారతదేశమునందు సైసర్గిక స్వరూపములను పేర్కొని అందు ఏదైనా ఒకదానిని గూర్చి వివరింపుము?
(OR లేక)
b). Classify the Soils and their distribution in India ?
భారతదేశములోని మృత్తికా రకాలను వర్గీకరించి వాటి విస్తరణను గూర్చి వ్రాయుము?
2. a). Write an account on Growth and distribution of Population in India ?
భారతదేశములోని జనాభా పెరుగుదల మరియు విస్తరణను గూర్చి వ్రాయుము?
(OR లేక)
b). Write an account on Urbanization in India?
భారతదేశములోని నగరీకరణ గూర్చి వివరముగా వ్రాయుము
3. a). Write an account on Major Irrigation Projects in India
భారతదేశములోని ప్రధాన నీటిపారుదల ప్రాజెక్ట్ లను గూర్చి వివరముగా వ్రాయుము
(OR లేక)
b). Write a detailed account of Production and distribution of Coal in India ?
భారతదేశములోని బొగ్గు ఉత్పత్తి మరియు విస్తరణను గురించి వివరముగా వ్రాయుము?
4. a). Write a Geographical essay on the growth and development of Cotton textiles Industry in India ?
భారతదేశంలోని నూలు వస్త్ర పరిశ్రమ యొక్క పెరుగుదల, అభివృద్ధి గూర్చి భౌగోళిక వ్యాసము వ్రాయుము?
(OR లేక)
b). Mention different Transport systems in India and write a detailed account of any one ?
భారతదేశంలోని రవాణా వ్యవస్థలను పేర్కొని, ఏదైనా ఒకదానిని గూర్చి వివరముగా వ్రాయుము?

PART - B

WRITE SHORT NOTES ON ANY FIVE OF THE FOLLOWING.

(Q. No.12 is Compulsory)

5 X 4 = 20M

ఈక్రింది వానిలో ఏవైనా ఐదింటికి లఘు సమాధానములువ్రాయుము, (ప్ర. నెం. 12 తప్పనిసరిగా)

5. North West Mansoons – నైరుతి ఋతుపవనాలు
6. Indian Literacy - భారతీయ అక్షరాస్యత
7. Mica - అభ్రకము
8. Importance of Iron and Steel - ఇనుము మరియు ఉక్కు ప్రాధాన్యత
9. Airways in India - భారతదేశంలోని వాయుమార్గాలు
10. Green revolution - హరిత విప్లవము
11. Bhakranagal Project - భాక్రానంగల్ ప్రాజెక్టు
12. Locate the following on the outline map of India.
ఈక్రింది అంశములను మీకివ్వబడిన భారత దేశము పటమునందు గుర్తించుము
 - a) Westren Ghats - పశ్చిమ కనుమలు
 - b) Delhi - ఢిల్లీ
 - c) Kolkata - కోల్ కత్త
 - d) Arabian Sea - అరేబియా సముద్రము

PART - C

Answer ALL the Questions

4 X 2 = 8 M

13. Eastern Ghats - తూర్పుకనుమలు
14. Block Cotton Soils - నల్ల రెగడి నేలలు
15. Borewells - గొట్టపు బావులు
16. Nagarjuna Sagar - నాగార్జున సాగర్

Approved the syllabus for the year 2017 – 2018

- 1 : University Nominee
- 2 : Local Nominee
- 3 : Chairman Board of Studies

**GOVERNMAENT COLLEGE (AUTONOMOUS),
RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
FIRST SEMESTER SYLLABUS -2017-2018
FIRST YEAR B.A. /B.Sc. GEOGRAPHY
PRACTICAL PAPER – I : MAPS AND SCALES**

1. Introduction to Cartography.
2. Maps and their types.
3. Scales. Exercises
 - (i) Methods of Expressing a scale 2
 - (ii) Conversion of Statement of Scale into R.F. and vice-versa. 1
 - (iii) Plain Scale (Km and mile) 1
 - (iv) Comparative Scale 2
 - (v) Diagonal Scale 2
 - (vi) Measurements of distances and areas of Maps 2

Suggested Readings:

1. F.J. Monkhouse and H.R. Wilkinson (1972) Maps and Diagrams, Mothuen and Co. Ltd., London
2. L.R. Singh and Raghuvander Singh (1973), Map Work and Practical Geography, Central Book Depot, Allahabad.
3. R.L. Singh and P.K. Dutt (1968), Elements of Practical Geography, Students Friends, Allahabad.
4. Singh Gopal (2004) 4th edition, Map Work and Practical Geography, Viksa Publication House.

Approved the syllabus for the year 2017 – 2018

- | | | |
|---------|---|---------------------------|
| 1 | : | University Nominee |
| 2. | : | Local Nominee |
| 3. | : | Chairman Board of Studies |

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM

DEPARTMENT OF GEOGRAPHY

FIRST SEMESTER MODEL PRACTICAL QUESTION PAPER - 2017-2018

FIRST YEAR B.A. /B.Sc. GEOGRAPHY

PRACTICAL PAPER – I : MAPS AND SCALES

Time: 3 Hrs

Max.Marks: 50

ANSWER ALL THE QUESTIONS

అన్ని ప్రశ్నలకు సమధానములు వ్రాయుము

1. Representation of relief by contours. 4 X 5 = 20 M
నిమ్నోన్న తాల భూస్వరూపాలను సమ్మోన్నత రేఖల ద్వారా గీయుము
a). Uniform slope b) “ V ” shaped valley. c). Ridge. d). Plateau.
క్రమనతి వి ఆకారపు లోయ కొండ పీఠభూమి
2. Topographical Map - interpretation (OR) Conventional signs 20M
స్థలాకృతి మాన చిత్ర వివరణ లేదా సంకేతాలు
3. Record 10M

Approved the syllabus for the year 2017 – 2018

- 1 : University Nominee
2. : Local Nominee
3. : Chairman Board of Studies

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM

DEPARTMENT OF GEOGRAPHY

SYLLABUS -2017-2018

FIRST YEAR B.A. /B.Sc. SEMESTER –II

**MODULE - 2 : PHYSICAL GEOGRAPHY -1
GEOMORPHOLOGY**

UNIT – I :

1. Definition - Nature – Scope – Physical Geography. Interior of Earth.
2. Major Land forms - Mountains, Plateaus, Plains

UNIT – II :

1. Earth movements – Earth quakes - Volcanoes.
2. Rocks – classification.

UNIT – III :

1. Wegner' s Continental drift theory – Plate tectonic theory
2. Weathering – types . Erosion – cycle of erosion.

UNIT – IV :

1. Processes and Landforms development of Rivers – Winds – Ocean waves.

UNIT – V:

1. Processes and Landforms development of Under ground water - Glaciers.

Approved the syllabus for the year 2017 – 2018

- | | | |
|---------|---|---------------------------|
| 1 | : | University Nominee |
| 2. | : | Local Nominee |
| 3. | : | Chairman Board of Studies |

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
SECOND SEMESTER MODEL QUESTION PAPER - 2017-2018
B.A. / B.Sc. GEOGRAPHY

PAPER – I : PHYSICAL GEOGRAPHY -1

Time: 3 Hrs

Max.Marks: 60

PART – A

Answer any FOUR of the following Questions

4 X 8 = 32 M

ఈక్రింది వానిలో ఏదైనా నాల్గింటికి వ్యాసరూప సమాధానములు వ్రాయుము

1. a). Write a geographical essay on the Interior of the Earth and its composition?
భూఅంతర నిర్మాణము మరియు సంఘటనం గురించి భౌగోళిక వ్యాఖ్య వ్రాయుము?

(OR లేక)

- b). Classify the Major Land Forms? Explain any one of them?

ప్రధాన భూస్వరూపములను వర్గీకరించి అందు ఏదైనా ఒకదానిని గూర్చి వివరముగా వ్రాయుము?

2. a). What is Earth Quake and explain them?

భూకంపము అనగా నేమి? వాటిని క్లుప్తముగా వివరింపుము?

(OR లేక)

- b). Classify the Rocks and Write a detailed account of different types of Rocks?

శిలలను వర్గీకరించి, వివిధ రకాలైన శిలలను గూర్చి వివరముగా వ్రాయుము

3. a). Explain the Continental drift Theory of Wegener with supporting evidences?

వెజినర్ ఖండచలన సిద్ధాంతమును సమర్థించు ఆధారములతో వివరించుము?

(OR లేక)

- b). Define what is weathering and write a detailed account of different types of weathering?

శిలశైధిల్యము అనగా నేమి, మరియు వివిధ రకాల శిలశైధిల్యముల గురించి వివరించుము?

4. a). Describe the erosional and depositional features of wind?

గాలి యొక్క క్రమ క్షయ మరియు, నిక్షేపణల స్వరూపాలను గురించి వివరించుము?

(OR లేక)

- b). What are glaciers Describe the land forms associated with them?

హిమనీ నదము అనగా నేమి? వాటికి సంబంధించిన వివిధ భూస్వరూపాలను గూర్చి వివరింపుము?

PART - B

WRITE SHORT NOTES ON ANY FIVE OF THE FOLLOWING.

5 X 4 = 20M

ఈక్రింది వానిలో ఏవైనా ఐదింటికి లఘు సమాధానములువ్రాయుము,

5. Fold Mountains – ముడుత పర్వతాలు
6. Sedimentary Racks - అవక్షేప శిలలు
7. Erosion agents - క్రమక్షయ ఏజంట్లు
8. Importance of River Land Forms - నదీ భూస్వరూపములు ప్రాధాన్యత
9. Stalactite - Stalagmite - స్టాలక్ టైట్ - స్టాలగ్ మైట్
10. Mushroom Rocks - పీఠాకృతి శిలలు
11. Depositional Plains - నిక్షేపిత మైదానాలు
12. Physical Weathering - భౌతిక శిలా శైథిల్యము

PART – C

Answer ALL the Questions

4 X 2 = 8 M

13. Pangiea - పెంజియా
14. Epicenter - అధికేంద్రము
15. Sinkholes - సింక్ హోల్స్
16. Batholith - భాతోలిత్

Approved the syllabus for the year 2017 – 2018

- 1 : University Nominee
- 2 : Local Nominee
- 3 : Chairman Board of Studies

**GOVERNMAENT COLLEGE (AUTONOMOUS),
RAJAMAHENDRAVARAM**

DEPARTMENT OF GEOGRAPHY

SECOND SEMESTER PRACTICAL SYLLABUS -2017-2018

FIRST YEAR B.A. /B.Sc. GEOGRAPHY

PRACTICAL PAPER – I : REPRESENTATION OF PHYSICAL FEATURES

1. Introduction to Topographical Sheets
India and adjacent countries
2. ConventioMethods of Representation relief – Spot heights, Bench Marks, Lear coloring and Hill Shading.
3. Representation of Topographical features by contours.
Slopes (Concave, convex, undulating and terraced)
Valleys (V Shaped, U shaped, George, R-entrant)
Ridges (Conical hill, Volcanic hill, Plateau, Escarpment)
Complex features (Waterfall, Sea cliff, Overhanging cliff, Fiord coast)
4. Interpretation of Weather Maps and Conventional Signs

Suggested Reading:-

1. F.J.Monkhouse and H.R.Wilkinson (1972) Maps and Diagrams, Mothuen and Co. Ltd., London
2. L.R.Singh and Raghuvander Singh (1973), Map Work and Practical Grography, Central Book Depot, Allahabad.
3. R.I. Singh and P.K.Dutt (1968), Elements of Practical Grography, Students Friends, Allahabad.
4. Singh Gopal (2004) 4th edition, Map Work and Practical Geography, Viksa Publication House.

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GOVERNMAENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM

DEPARTMENT OF GEOGRAPHY

SECOND SEMESTER MODEL PRACTICAL QUESTION PAPER - 2017-2018

FIRST YEAR B.A. /B.Sc. GEOGRAPHY

PRACTICAL PAPER – I : REPRESENTATION OF PHYSICAL FEATURES

Time: 3 Hrs

Max.Marks: 50

ANSWER ALL THE QUESTIONS

అన్ని ప్రశ్నలకు సమధానములు వ్రాయుము

4. Representation of relief by contours. 4 X 5 = 20 M
నిమ్నోన్న తాల భూస్వరూపాలను సమ్మోన్నత రేఖల ద్వారా గీయుము
a). Uniform slope b) “ V ” shaped valley. c). Ridge. d). Plateau.
క్రమనతి వి ఆకారపు లోయ కొండ పీఠభూమి
5. Topographical Map - interpretation (OR) Conventional signs 20M
స్థలాకృతి మాన చిత్ర వివరణ లేదా సంకేతాలు
6. Record 10M

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DEPARTMENT OF GEOGRAPHY
SYLLABUS -2016-2017
SECOND YEAR B.A. /B.Sc. SEMESTER – III
MODULE - 3 : PHYSICAL GEOGRAPHY-II
CLIMATOLOGY AND OCEANOGRAPHY

Unit-I

1. Weather and Climate; Origin, composition and structure of atmosphere.
2. Insolation, Horizontal and vertical distribution of temperature, inversion of temperature.

Unit-II

1. Atmospheric pressure- measurement and distribution, pressure belts, planetary winds, Monsoon and Local winds.

Unit-III

1. Humidity- measurement and variables, evaporation, condensation, precipitation forms and types and distribution.

Unit-IV

1. Climate classification by Koppen

Unit-V

1. Configuration of oceanic floors, Temperature and Salinity of ocean, Land and water distribution.
2. Tides, waves, ocean currents and oceanic resources.

Suggested Readings:

1. Barry, RG and Chorley R.J., Atmosphere, Weather and Climate, Routledge, 1998.
2. Critchfield, H., General Climatology, Prentice-Hall of India, 2002.
3. King, C. Oceanography for Geographers, Edward Arnold, London, 1975.
4. Trewartha, GT: An Introduction to Climate, Mc-Graw Hill, New York, 1981.
5. Trewartha, G.T., The Earth's Problems Climates, University of Wisconsin Press, USA.

ADDITIONAL TEXT BOOKS:

1. Ghosh .B.N.(1995) Fundamentals of Population Geography- Sterling publishers-
BANGALORE.

2. Bhende A.A. and Kanitkar. T (2006) Principles of Population studies. Himalaya publishing
House . HYDERABAD.

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DEPARTMENT OF GEOGRAPHY
MODEL QUESTION PAPER - 2017-2018
SECOND YEAR B.A. /B.Sc. SEMESTER – III
MODULE - 3 : PHYSICAL GEOGRAPHY- 2

Time: 3 Hrs

Max.Marks: 75

SECTION –A

Answer any FOUR of the following Questions

4 X 12 = 48M

ఈక్రింది వానిలో ఏవైనా నాల్గింటికి వ్యాసరూప సమాధానములు వ్రాయుము

1. Define Economic Geography and Describe scope and objectives of Economic Geography?

ఆర్థిక భూగోళ శాస్త్రమును నిర్వచించి ఆశాస్త్ర పరిధి మరియు లక్ష్యాలను గూర్చి వివరించుము?

2. Examine the relationship between man and environment?

మానవునికి, పరిసరాలకు మధ్య గల సంబంధమును వివరించుము?

3. Classify resources and explain the need for the conservation of resources?

వనరులను వర్గీకరించి వాటి పరిరక్షణ యొక్క అవశ్యకతను వివరింపుము?

4. Classify the Human Races and write a detailed account of their origin and distribution?

మానవ జాతులను వర్గీకరించి మరియు వాటి పుట్టుక విస్తరణ గురించి వివరముగా వ్రాయుము?

5. Explain the types of Urban settlements?

వివిధ నగర జన పదాల రకాల గురించి వివరించుము?

6. Describe the different types of Rural settlements?

వివిధ గ్రామీణ జన పదాల రకాల గురించి వివరించుము?

SECTION-B

Answer any Four of the following

4 X 5 =20M

ఈక్రింది వానిలో ఏవైనా నాల్గింటికి లఘు సమాధానములు వ్రాయుము

7. Physical Environment

భౌతిక పరిసరాలు

8. Urbanization

నగరీకరణము

9. Greenrevolution

హరిత విప్లవము

10. Subsistence Agriculture

జీవనాధార వ్యవసాయము

11. Rice Distribution

వరి విస్తరణ

12. Rural settlement pattern

గ్రామీణ జనపదాల నమూనా

SECTION - C

7 x 1 = 7M

13. Locate the following on the outline map of the world.

ఈక్రింది అంశములను మీకివ్వబడిన ప్రపంచ పటమునందు గుర్తించుము

a) Newyork

న్యూయార్క్

b) Paris,

పారిస్

c) Karachi,

కరాచీ

d) Tokyo

టోక్యో

e) RedSea

ఎర్ర సముద్రము

f) Mumbai

ముంబై

g) River Nile

నైలునది

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GOVERNMAENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
SECOND YEAR B.A. /B.Sc. SEMISTER – III
PRACTICAL SYLLABUS -2017-2018

PRACTICAL PAPER - II: Representation of Climatic Data

1. Collection of Climatic data.
2. Representation of temperature and rainfall.
 - (i) Line and Bar Graph – 1 Exercise.
 - (ii) Distribution of temperature (180 therms) – 1
 - (iii) Distribution of rainfall (180 hytes) – 1
 - (iv) Hythergraph - 1
3. Climograph (wet and dry places) - 2 Exercise.
4. Weather map symbols and Interpretation (January & July) - 2

Suggested Readings:

1. Singh, R.L., 1979. Elements of Practical Geography, Kalyani Publisher, New Delhi.
2. Gregory S. 1963. Statistical Methods and the Geography, Longman, London.
3. Khan, A.A. 1996. Text Book of Practical Geography, Concept, New Delhi,.
4. Lawarence, GRP1968. Cartographic Methods, Methuen, London,.
5. Monkhouse, F.J. and Wilkinson, H.R1994. Maps and Diagrams, Methuen, London,
6. Pal. S.K. 1998: Statistics for Geoscientist- Techniques and Applications, Concept Publication, New Delhi,.
7. Sarkar, A.K 1997: Practical Geography-A Systematic Approach, Orient Longman, Calcutta.

REFERENCES BOOKS:

1. F.J and Wilkinson , H. R 1968 Maps and Diogrames – Mathuen - London
2. Robinson – A.H.Etal (1965) Elements of cartography John, wiley Newyork.
3. Singh R.L and Dutp. P.K (1968) Elements of Practical Geography, student Friends - Allahabad.

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DEPARTMENT OF GEOGRAPHY

PRACTICAL MODEL QUESTION PAPER - 2017-2018

SECOND YEAR B.A. /B.Sc. SEMISTER – III

PRACTICAL PAPER-II : REPRESENTATION OF CLIMATIC DATA

Time: 3 Hrs

Max.Marks: 50

ANSWER ALL THE QUESTIONS

- | | |
|--|-----|
| 1. Draw a Line / Bar Graph by using the following Data | 10M |
| 2. Prepare a Pie Graph by using the following Data | 10M |
| 3. Weather Map symbols and maps interpretation | 20M |
| 4. Record | 10M |

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SYLLABUS -2017-2018
SECOND YEAR B.A. /B.Sc
. SEMESTER – IV
MODULE-4 : : HUMAN GEOGRAPHY

. Unit-I

1. Nature scope and Historical development of Human Geography. Human economic activities
2. Human races in the world – man and environment

Unit-II

1. Human adaptation to the environment (i) Cold region – Eskimo (ii) Hot region- Bushman (iii) Plateau – Gonds (iv) Mountains – Gujjars.

Unit-III

1. Meaning, nature and components of resources; Classification of resources – renewal and non- renewable ; biotic and abiotic, recyclable and non recyclable.

Unit-IV

1. Distribution and density of world population, population growth, fertility and mortality patterns.
2. Concept of over, under and optimum population; Population theories: Malthus.

Unit-V

1. Rural settlements: Meaning, classification and types. Urban settlements: Origin, classification.
2. Population pressure, resource use and environment degradation; sustainable development, concept of deforestation, soil erosion, air and water pollution.

Suggested Readings:-

1. Agarwal, A etal : The Citizen's Fifth Citizen's Report, Centre for Science & Environment, New Delhi, 1999.
2. Alexander, John. W. : Economic Geography, Prentice Hall of India Ltd., New Delhi, 1988.
3. Bergwan, Edward E: Human Geography: Culture Connections and Landscape, Prentice-Hall, New Jersey, 1985.
4. Carr, M. Patterns: Process and Change in Human Geography, McMillan Education, London, 1987.
5. Chandna, R.C. : A Geography of Population : Concepts, Determinants and Patterns, Kalyani Publishers, New Delhi, 1986.
6. DeBlij, H. J. : Human Geography, Culture, Society and Space, John Wiley, New York, 1996.

7. Fellman, J.L. : Human Geography-Landscapes of Human Activities, Brown and Benchman Pub., USA, 1997.
8. Global Environment Outlook: Earthscan, London, 2000.
9. McBride, P.J. Human Geography; Systems Patterns and Change, Nelson, UK and Canada, 1996.

10. Michael, Can: New Patterns : Process and Change in Human Geography, Nelson, 1996.

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DEPARTMENT OF GEOGRAPHY

MODEL QUESTION PAPER - 2017-2018
SECOND YEAR B.A. /B.Sc. SEMISTER – IV

MODULE-4 : HUMAN GEOGRAPHY

Time: 3 Hrs

Max.Marks: 75

SECTION –A

Answer any FOUR of the following Questions

4 X 12 = 48M

ఈక్రింది వానిలో ఏవైనా నాల్గింటికి వ్యాసరూప సమాధానములు వ్రాయుము

1. Write an essay on Major Fishing Grounds of the world?

ప్రపంచము నందలి ప్రధాన మత్స్య సంపద సంగ్రహణ ప్రాంతాలను గురించి ఒక వ్యాసము వ్రాయుము?

2. Give an account of the Major Forest Types and their distribution in the world?

ప్రపంచము నందలి ప్రధాన అటవీ రకములను పేర్కొని వాటి విస్తరణ గురించి వివరించుము?

3. Write a geographical account of the production and distribution of Iron ore in the world?

ప్రపంచము నందలి ఇనుప ధాతు ఉత్పత్తి మరియు విస్తరణ గూర్చి భౌగోళిక వ్యాఖ్య వ్రాయుము?

4. Write a geographical account of the production and distribution of Coal in the world?

ప్రపంచము నందలి బొగ్గు ఉత్పత్తి మరియు విస్తరణ గూర్చి భౌగోళిక వ్యాఖ్య వ్రాయుము?

5. Provide a detailed account of Weber's industrial location theory?

వెబ్బరు యొక్క పారిశ్రామిక స్థల నిర్ణయ సిద్ధాంతమును గూర్చి విశదీకరింపుము?

6. Describe the location and distribution of cotton textile industry in the world?

ప్రపంచము నందలి నూలు వస్త్ర పరిశ్రమ యొక్క ఉనికి మరియు విస్తరణ గూర్చి వివరింపుము?

SECTION – B

Answer any Four of the following

4 X 5 = 20

ఈక్రింది వానిలో ఏవైనా నాల్గింటికి లఘు సమాధానములు వ్రాయుము

7 Forest products

ఆటవిక ఉత్పత్తులు

8.Petroleum importance

పెట్రోలియం ప్రాధాన్యత

9. Aluminum Production

అల్యూమినియం ఉత్పత్తి

10.Suez Canal

సూయజ్ కాలువ

11 International Trade

అంతర్జాతీయ వ్యాపారము

12.Indian Road ways

భారతదేశపు రోడ్లు

SECTION – C

7 X 1 = 7M

13. Locate the following on the outline map of the world.

ఈక్రింది అంశములను మీకివ్వబడిన ప్రపంచ పటమునందు గుర్తించుము

a) Black Sea - నల్ల సముద్రము

b) Lake Superior - సుపీరియర్ సరస్సు

c) Amazon River- అమెజాన్ నది

d) New Delhi – న్యూఢిల్లీ

e) Sydney – సిడ్నీ

f) Mediterranean sea - మధ్యధరా సముద్రము

g) Persian Gulf - పర్షియా సింధు శాఖ

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GOVERNMAENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM

DEPARTMENT OF GEOGRAPHY SECOND YEAR B.A. /B.Sc. SEMISTER – III PRACTICAL SYLLABUS -2017-2018 PRACTICAL PAPER - 402 Map Projections

Introduction to Map Projection: Characteristics of latitudes and longitudes lines.

- 1.Simple conical projection (single standard parallel).
2. Simple conical projection (two standard parallel).
- 3.Bonne’s projection or conical equal area projection.
- 4.poly conic projection.
- 5.Polar zenithal equi-distant projection.
- 6.Polar zenithal equal area projection or Lambert’s equal area projection.
- 7.Simple cylindrical projection.
- 8.Cylindrical equal area projection.

Suggested Readings:

1. Mishra R.P. and Ramesh A. 1999. Fundamentals of Cartography, Concept Publishing Company, New Delhi.
2. Robinson, A.H. et.al. Elements of Cartography, John Wiley & Sons, 1995.
3. Singh, R.L., 1979. Elements of Practical Geography, Kalyani Publisher, New Delhi.
4. Khan, A.A. 1996. Text Book of Practical Geography, Concept, New Delhi,.
5. Monkhouse, F.J. and Wilkinson, H.R1994. Maps and Diagrams, Methuen, London, Steers, J.B. Map Projections; University of London Press, London.

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DEPARTMENT OF GEOGRAPHY

PRACTICAL MODEL QUESTION PAPER - 2017-2018

SECOND YEAR B.A. /B.Sc. SEMESTER – IV

Practical paper 402 map projections.

Time: 3 Hrs

Max.Marks: 50

ANSWER ALL THE QUESTIONS.

- 1.
- 2.
- 3.Record

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DEPARTMENT OF GEOGRAPHY

SYLLABUS -2017-2018

THIRD YEAR B.A. /B.Sc. SEMISTER – V

PAPER – III : REGINAL GEOGRAPHY OF INDIA AND ANDHRAPRADESH

UNIT- 1: Physical Settings

Locational aspects and advantages – Major physical divisions – Rivers – Climate –Mechanism of Indian monsoons – Natural vegetation – Soil types

UNIT- 2: Cultural Settings

Population- Growth, distribution, Sex – ratio, Age – structure, problems and policies, Literacy rate –Urbanization - Livestock in India

UNIT- 3: Economic Settings

Resources – Land, Water ,Energy (Coal and Petroleum, Power Projects, Hydel, Thermal, Atomic and wind), Minerals (Iron ore, Manganese, Mica) – utilization and conservation; Irrigation and Multipurpose Projects

Basic Texts:

5. Sharma and Coutino (1980) Economics and Commercial Geography of India, Vikas Publication, New Delhi.
6. Spate, O.H.K. and Learmonth, A.T.A (1972) India and Pakistan, B.I. Publications, Madras.
7. Prithvish Nag and Sengupta, S. (1999) Geography of India, Concept, New Delhi.
8. Alam, M.S. (1974) Planning Atlas of Andhra Pradesh, Govt of India and Andhra Pradesh, Hyderabad.

Additional Texts:

3. Sing, R.L. (1976) Regional Geography of India, NGSI, BHU, Varanasi.
4. Mamoria, C.B (1995)Economic and Commercial Geography of India, Shiva Lal Agarwala, Agra.
5. (1981) Andhra Pradesh Year Book, Data News Features, Hyderabad.

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IIIrd B.A / B.Sc., GEOGRAPHY – (2017 -2018)

SEMESTER - V

PAPER-III : REGIONAL GEOGRAPHY OF INDIA AND ANDHRAPRADESH

MODEL QUESTION PAPER

Time : 3 hrs

Max Marks : 75

SECTION – A

Answer any FOUR of the following Questions

4 x 12 = 48

ఈక్రింది వానిలో ఏదైనా నాల్గింటికి వ్యాసరూప సమాధానములు వ్రాయుము

1. What are the Major Physical Divisions of India? Explain any One of them ?
భారతదేశమునందు నైసర్గిక స్వరూపములను పేర్కొని అందు ఏదైనా ఒకదానిని గూర్చి వివరింపుము?
2. Write a detailed account of Indian Climate ?
భారతదేశ శీతోష్ణస్థితి గూర్చి వివరముగా వ్రాయుము?
3. Classify the Soils and their distribution in India ?
భారతదేశములోని మృత్తికా రకాలను వర్గీకరించి వాటి విస్తరణను గూర్చి వ్రాయుము?
4. Write an account on Growth and distribution of Population in India ?
భారతదేశములోని జనాభా పెరుగుదల మరియు విస్తరణను గూర్చి వ్రాయుము?
5. Write a detailed account of Production and distribution of Coal in India ?
భారతదేశములోని బొగ్గు ఉత్పత్తి మరియు విస్తరణను గురించి వివరముగా వ్రాయుము?
6. Write detailed account on Hydel Power production in India ?
భారతదేశములోని జలవిద్యుత్తు ఉత్పత్తి గూర్చి వివరముగా వ్రాయుము?

SECTION – B

Answer any Four of the following Questions

4 X 5 = 20 M

ఈక్రింది వానిలో ఏవైనా నాల్గింటికి లఘు సమాధానములు వ్రాయుము

7. Eastern Ghats .

తూర్పుకనుమలు

8. Petroleum Production .

పెట్రోలియం ఉత్పత్తి

9. Urbanization in India .

భారతదేశములో నగరీకరణ

10. Mansoons

ఋతుపవనాలు

11. Bhakranagal Project

భాక్రానంగల్ ప్రాజెక్టు

12. Mica .

అభ్రకము

SECTION – C

7 X 1 = 7M

13. Locate the following on the outline map of India.

ఈక్రింది అంశములను మీకివ్వబడిన భారత దేశము పటమునందు గుర్తించుము

a) Westren Ghats

- పశ్చిమ కనుమలు

e) Delhi

- డిల్లీ

f) Kolkata

- కొల్ కత్త

g) Arabian Sea

- అరేబియా సముద్రము

h) River Tapati

- తపతీ నది

i) Uttaranchal

- ఉత్తరాంచల్

j) Digbhai

- డిగ్బాయ్

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**GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY**

SYLLABUS -2017-2018 THIRD YEAR B.A. /B.Sc. SEMISTER – V

PAPER – IV : REMOTE SENSING AND GEOGRAPHIC INFORMATION SYSTEM (GIS)

UNIT- 1: Fundamentals of Remote Sensing

Basics of Remote Sensing: definition, History, Advantages -Aerial Photography and Satellite Remote Sensing. Components of Remote Sensing System :Energy Source, Energy- Atmosphere Interaction, Energy- Matter Interaction, Platforms, Sensor, Data handling system, Data users Energy Interaction with Atmosphere and Surface Materials: Natural of Electromagnetic Radiation – Electromagnetic Radiation Spectrum Interaction of Electromagnetic Radiation with Atmosphere and with Earth Surface Materials – Spectral Signatures.

UNIT- 2: Remote Sensing: Platforms and Sensors and Products

Remote Sensing Platforms: Aircrafts and Satellites - Orbital Characteristics of Sun –synchronous Earth Resource Satellites and Geostationary Communication – Special purpose Satellites

Remote Sensing Sensors:

Types of Sensors: Active and Passive – Framing System (Cameras) – Scanning Systems

Sensors Characteristics: Spatial Resolution, Spectral Resolution, Radiometric Resolution, Temporal Resolution. - Cameras: Single Lens, Multiple Lens, Strip and Digital – Filters

Scanners: Cross – track Vs. Along – Track – Mono – Spectral Vs. Multi – Spectral Scanners

Products: Visual and Digital - Remote Sensing in India: Development and Growth – Satellites

Basic Texts:

1. Compbell, James, B (1987) Introduction to Remote Sensing, The Guilford Press, New York.
2. Curran, P (1985) Principles of Remote Sensing, London .
3. Kang- tsng Chang (2003) Geographic Information Systems, Tata Mc Graw hill, New Delhi
4. Lillisand, T.M. and R.W Kifer (1997) Remote Sensing and Image Interpretation, John Wiley and Sons, New York.
5. Star J, and J. Estes, (1994), Geographic Information Systems: An Introduction, Prentice Hall, New Jersey.

Additional Texts:

1. Anji Reddy, M (2006) A Text Book of Remote sensing and Geographical Information System, B.S Publications, Hyderabad.
2. Clark, Keith C. (1999) Getting Started with Geographic Information Systems, Prentice Hall, New Jersey.
3. Lo Albert, C.P., and Yeung, K.W (2003) Concepts and Techniques of Geographical Information Systems, Prentice Hall of India Pvt. Ltd., New Delhi.

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IIIrd B.A / B.Sc., GEOGRAPHY – (2017-2018)

SEMESTER V

PAPER IV : REMOTE SENSING AND GEOGRAPHIC INFORMATION SYSTEM (G I S)

MODEL QUESTION PAPER

Time : 3 hrs

Max Marks : 75

SECTION – A

Answer any FOUR of the following Questions

4 x 12 = 48

ఈక్రింది వానిలో ఏవైనా నాల్గింటికి వ్యాసరూప సమాధానములు వ్రాయుము

1. Define What is Remote Sensing, Write History and Uses of Remote Sensing ?

దూరగ్రాహక ప్రక్రియను నిర్వచించుము? దాని చరిత్ర మరియు ఉపయోగములను వ్రాయుము?

2. Write a note on Components of Remote Sensing ?

దూరగ్రాహక ప్రక్రియ యొక్క వివిధ భాగాలను గూర్చి వ్రాయుము?

3. Write a Detailed account of Atmospheric Interaction with Electromagnetic Radiation ?

వాతావరణానికి మరియు విద్యుత్ అయస్కాంత వికిరణం మధ్యగల సంబంధమును వివరింపుము

4. Classify the Platforms ? Write a detailed account of them ?

ప్లాట్ ఫామ్స్ ను వర్గీకరించి వాటిని గూర్చి వివరముగా వ్రాయుము?

5. Write about the different type of Cameras ?

వివిధ రకాల కెమెరా ల గూర్చి వివరించుము?

6. Write a detailed account of Indian RS Satellites (IRS) ?

భారతీయ దూరగ్రాహక ప్రక్రియ ఉపగ్రహాలను గురించి వివరముగా వ్రాయుము?

SECTION – B

Answer any Four of the following

4 X 5 = 20

ఈక్రింది వానిలో ఏవైనా నాల్గింటికి లఘు సమాధానములు వ్రాయుము

7. Arial Photography

ఆకాశచాయా గ్రహణం

8. Spectral Signatures.

వర్ణపటముద్రలు

9. Spatial Resolutions.

స్పేషియల్ రిసల్యూషన్స్

10.Types of Filters.

ఫిల్టర్స్ రకాల్లు

11.Scanners and Types.

స్కానర్స్ మరియు రకాలు

12.Classification of Sensors

గ్రాహకాలు వర్గీకరణ

SECTION-C

13.Answer all the questions not exceeding two (2) lines.

7 X 1 = 7M

అన్ని ప్రశ్నలకు రెండు వాక్యములకు మించకుండా సమాధానములు వ్రాయుము

a) Electromagnetic energy

విద్యుత్ అయస్కాంత శక్తి

b) N.R.S.A.

ఎన్.ఆర్.ఎస్.ఎ

c) N.A.S.A.

నాసా

d) Atmospheric windows

వాతావరణ గావాక్షాలు

e) Black body

కృష్ణవస్తువు

f) Strip cameras

పట్టీ కెమెరాలు

g) Geosynchronous orbit

భూ స్థిరకక్ష

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SYLLABUS -2017-2018
THIRD YEAR B.A. /B.Sc. SEMESTER – VI
PAPER – III : REGIONAL GEOGRAPHY OF INDIA AND ANDHRA PRADESH

UNIT- 1: Economic Settings

Agriculture –and Green revolution, Problems of Indian Agriculture
Majorcrops : Rice-Weat-Coffee-Tea
Industry – Study of Iron and Steel, Cotton textiles, and Oil refineries, Transport – Road ways, Railways, Water ways, Air ways – Growth and distribution

UNIT- 2: Regional Geography of Andhra Pradesh

Physical aspects – Relief, Rivers, Climate, Vegetation and Soils - Resource base – Fuel and mineral wealth ,
Agriculture: Irrigation development, Major irrigation projects, Major Crops - Production and Potentials

Basic Texts:

1. Sharma and Coutino (1980) Economics and Commercial Geography of India, Vikas Publication, New Delhi.
2. Spate, O.H.K. and Learmonth, A.T.A (1972) India and Pakistan, B.I. Publications, Madras.
3. Prithvish Nag and Sengupta, S. (1999) Geography of India, Concept, New Delhi.
4. Alam, M.S. (1974) Planning Atlas of Andhra Pradesh, Govt of India and Andhra Pradesh, Hyderabad.

Additional Texts:

5. Sing, R.L. (1976) Regional Geography of India, NGSI, BHU, Varanasi.
6. Mamoria, C.B (1995) Economic and Commercial Geography of India, Shiva Lal Agarwala, Agra.
7. (1981) Andhra Pradesh Year Book, Data News Features, Hyderabad.

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SEMESTER - VI - MODEL QUESTION PAPER

PAPER-III : REGIONAL GEOGRAPHY OF INDIA AND ANDHRA PRADESH

Time : 3 hrs

Max Marks : 75

SECTION – A

Answer any FOUR of the following Questions

4 x 12 = 48

ఈక్రింది వానిలో ఏవైనా నాల్గింటికి వ్యాసరూప సమాధానములు వ్రాయుము

1. Write a Geographical essay on Coffee plantation, and production and distribution in India?
భారతదేశంలోని కాఫీ సాగుబడి మరియు ఉత్పత్తి, విస్తరణ గూర్చి భౌగోళిక వ్యాసము వ్రాయుము?
2. Write a Geographical essay on the growth and development of Cotton textiles Industry in India ?
భారతదేశంలోని నూలు వస్త్ర పరిశ్రమ యొక్క పెరుగుదల, అభివృద్ధి గూర్చి భౌగోళిక వ్యాసము వ్రాయుము?
3. Mention different Transport systems in India and write a detailed account of any one?
భారతదేశంలోని రవాణా వ్యవస్థలను పేర్కొని, ఏదైనా ఒకదానిని గూర్చి వివరముగా వ్రాయుము?
4. Write a Geographical essay on Mineral resources in Andhra Pradesh
ఆంధ్రప్రదేశ్ లోని ఖనిజవనరుల గురించి, భౌగోళిక వ్యాసము వ్రాయుము?
5. Write an essay on Andhra Pradesh vegetation ?
ఆంధ్రప్రదేశ్ యొక్క ఉద్భిజ సంపదపై వ్యాసము వ్రాయుము?
6. Classify the Soils of Andhra Pradesh and write a detailed account of them ?
ఆంధ్రప్రదేశ్ నందు మృత్తికలను వర్గీకరించి, వాటి గూర్చి వివరముగా వ్రాయుము?

SECTION – B

Answer any Four of the following Questions

4 X 5 = 20 M

ఈక్రింది వానిలో ఏవైనా నాల్గింటికి లఘు సమాధానములు వ్రాయుము

- | | |
|--|--|
| 7. Green revolution
హరిత విప్లవము | 8. Lake Kolleru
కొల్లేరు సరస్సు |
| 9. Airways in India
భారతదేశంలోని వాయుమార్గాలు | 10. Rice Distribution in Andhra Pradesh
ఆంధ్రప్రదేశ్ లో వరి విస్తరణ |
| 11. Polavaram Project
పోలవరం ప్రాజెక్టు | 12. River Godavari
గోదావరినది |

SECTION – C

7 X 1 = 7M

13. Locate the following on the outline map of Andhra Pradesh.

ఈక్రింది అంశములను మీకివ్వబడిన ఆంధ్రప్రదేశ్ పటమునందు గుర్తించుము

- | | |
|--------------------|-------------------|
| a) Kakina | - కాకినాడ |
| b) Hyderabad | - హైదరాబాద్ |
| c) Nagarjuna Sagar | - నాగార్జున సాగర్ |
| d) River Penna | - పెన్నా నది |
| e) Pulicot Lake | - పులికాట్ సరస్సు |
| f) Adilabad | - ఆదిలాబాదు |
| g) Chitturu | - చిత్తూరు |

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SYLLABUS -2017-2018

THIRD YEAR B.A. /B.Sc. SEMESTER – VI

PAPER – IV : REMOTE SENSING AND GEOGRAPHIC INFORMATION SYSTEM (GIS)

UNIT- 1: Fundamentals of Geographic Information Systems (GIS)

GIS: Definition – Contributing Disciplines – Functions – Data Capture/Input, Data storage, Data Retrieval, Data Analysis, Data Output

Components of Geographic Information Systems: Hardware Components, Software Components, Brain –ware Components, and Organizational set up

Data Input and Editing: Data Types : Spatial and Attribute data – raster and Vector Sources of GIS data

Methods of Data input (Keyboard Entry, Digitizing, Scanning) – GPS and its Application

UNIT- 2: DBMS, GIS, Analysis

Data Base Management System: Definitions and Functions

Data Analysis and Modeling:

Data Conversion (Format, Structure, and Medium Conversion)

Spatial Measurements (Counting, Measuring lengths and Areas)

Reclassification, Buffering (point, Line, Area, Doughnut)

Overlay Analysis - Modeling Surface (DTMs) - Modeling Networks

Remote Sensing and GIS: Intergration – GIS Application (Urban / Agricultural / Landform Studies)

Basic Texts:

1. Compbell, James, B (1987) Introduction to Remote Sensing, The Guilford Press, New York.
2. Curran, P (1985) Principles of Remote Sensing, London .
3. Kang- tsng Chang (2003) Geographic Information Systems, Tata Mc Graw hill, New Delhi
4. Lillisand, T.M. and R.W Kifer (1997) Remote Sensing and Image Interpretation, John Wiley and Sons, New York.
5. Star J, and J. Estes, (1994), Geographic Information Systems: An Introduction, Prentice Hall, New Jersey.
6. Michael F. Goodchild and Karen K. Kemp (1990) Introduction to GIS, National Centre for Geographic Information and Analysis, University of California, Santa Barbara.

Additional Texts:

7. Anji Reddy, M (2006) A Text Book of Remote sensing and Geographical Information System, B.S Publications, Hyderabad.
8. Clark, Keith C. (1999) Getting Started with Geographic Information Systems, Prentice Hall, New Jersey.
9. Lo Albert, C.P., and Yeung, K.W (2003) Concepts and Techniques of Geographical Information Systems, Prentice Hall of India Pvt. Ltd., New Delhi.

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SEMESTER - VI

PAPER IV : REMOTE SENSING AND GEOGRAPHIC INFORMATION SYSTEM (G I S)

MODEL QUESTION PAPER

Time : 3 hrs

Max Marks : 75

SECTION – A

Answer any FOUR of the following Questions

4 x 12 = 48

ఈక్రింది వానిలో ఏవైనా నాల్గింటికీ వ్యాసరూప సమాధానములు వ్రాయుము

1. Define what is 'G I S' ? Write about functions ?

'G I S' ను నిర్వచించుము? మరియు విధులను గూర్చి వ్రాయుము?

2. Classify the DATA? And write briefly about different types of 'DATA' ?

దత్తాంశమును వర్గీకరింపుము? మరియు వివిధ రకాల దత్తాంశములను గూర్చి వ్రాయుము ?

3. Write about the different methods of Data Input ?

వివిధ రకాల దత్తాంశ సేకరణ పద్ధతులను గూర్చి వ్రాయుము?

4. Define Database management system and its Functions ?

దత్తాంశ మూల యాజమాన్య వ్యవస్థను నిర్వచించి మరియు విధులను గూర్చి వ్రాయుము?

5. Write a detailed account of Data Analysis ?

దత్తాంశ విశ్లేషణ గూర్చి వివరముగా వ్రాయుము?

6. Write a note on Data Modeling Surfaces ?

దత్తాంశ నమూనా తలములను (D M S) గూర్చి వ్రాయుము

SECTION – B

Answer any Four of the following Questions

4 X 5 = 20 M

ఈక్రింది వానిలో ఏవైనా నాల్గింటికి లఘు సమాధానములు వ్రాయుము

7.Components of G I S

G I S' యొక్క వివిధ విభాగాలు

8. Data input

దత్తాంశ సేకరణ

9.Uses of GPS (Global Positionng System)

భూగ్రహ ఉనికి వ్యవస్థ ఉపయోగాలు

10. Buffering

బఫరింగ్

11. Spatial Measurements

స్పేషియల్ కొలతలు

12.Data Modeling network(D T M N)

దత్తాంశ నమూనా వ్యవస్థ(D T M N)

SECTION-C

13.Answer all the questions not exceeding two (2) lines.

7 X 1 = 7M

అన్ని ప్రశ్నలకు రెండు వాక్యములకు మించకుండా సమాధానములు వ్రాయుము

a) GIS Ueses

GIS ఉపయోగములు

b) Scanning

క్రమ వీక్షణ

c) Rashtar Data

రాష్ట్రా దత్తాంశము

d) Vectar Data

వెక్టార్ దత్తాంశము

e) Modaling Network

నమూనా వ్యవస్థ

f) D B M S

దత్తాంశ మూల యాజమాన్య వ్యవస్థ

g) Line Entity

లైన్ ఎంటిటీ

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DEPARTMENT OF GEOGRAPHY
PRACTICAL SYLLABUS -2017-2018
THIRD YEAR B.A. / B.Sc.
PRACTICAL PAPER-III: PROJECTIONS AND FIELD SURVEY AND STUDY

PROJECTIONS:

Constructions and Uses

Conical Projections: One Standard Parallel, Two Standard Parallel, Bonne' s

Cylindrical Projections: Equal area, Equal distant, Mercator

Zenithal Projections (Polar cases only): Stereographic, Gnomonic, Zenithal

Equidistant and Equal Area

Conventional: Mollweide, Sinusoidal.

FIELD SURVEY

- 1) Chain Survey : Triangulation Method-Closed Traverse& Open Traverse
- 2) Prismatic Compass Survey: Open and Closed Travers-Intersection Method
- 3) Plane Table Survey: Intersection Method
- 4) Village/Urban Study: Socio-economic or Physiographic study –Educational Tour: Observations, Measurement, Interviews, data collection, data Analysis, Report Writing

Basic Texts:

- 1) Monkhouse, F.J. and Wilkinson M.R.(1968) Maps and Diagrams, Methuen, London
- 2) Misra, R.P. and Ramesh, A(1989) Fundamentals of Cartography, Concept, New York.
- 3) Robinson, A.H.(1995) Elements of Cartography, Jhon Willey, New York.

Additional Texts:

- 1) . Gopal Singh (1996) Map work and Practical Geography,Vikas Publishing, New Delhi.
- 2) . Negi, B.S(1998) Practical Geography, Kedarnath and Ramnath, Meerut.

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM.

IIIrd B.A / B.Sc., GEOGRAPHY – (2017 -2018)

PRACTICAL PAPER-III: PROJECTIONS AND FIELD SURVEY AND STUDY

PRACTICAL MODEL QUESTION PAPER

Time : 3 hrs

Max Marks : 75

Answer all the following Questions

- | | |
|--|------|
| 1). Draw a given projection and write the construction procedure ? | 25 M |
| 2). Survey the given area with the help of given surveying instruments ? | 25M |
| 3). Draw the given Surveying Instruments? | 10M |
| 4) Record & Socio Economic Survey Report | 15M |

Approved the syllabus for the year 2017– 2018

- | | | |
|---------|---|---------------------------|
| 1 | : | University Nominee |
| 2. | : | Local Nominee |
| 3. | : | Chairman Board of Studies |

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
PRACTICAL SYLLABUS -2017-2018
THIRD YEAR B.A. /B.Sc.

PAPER IV: REMOTE SENSING AND GEOGRAPHIC INFORMATION SYSTEM (GIS)

UNIT 1: Geographic information system:

1. Scale of Measurement: Nominal, Ordinal, Interval, Ratio
2. Data Mode: Special Data (Location: Point, Line, Polygon; attributes; time), Creating a Vector Data, Creating a Raster data, Raster data, Values, Special Relations (point-point, point-line, point-area, line-line, line- area, area-area)
3. Data Input: Manual, Digitising, Scanning
4. Raster and Vector GIS Capabilities: Display, Query, Overlay, Buffering.

UNIT- 2: Remote Sensing:

5. Air Photographs and Satellite Imageries: Describing the Marginal Information
6. Air Photo Interpretation: Using Stereoscop, Stereoscopic Vision Test, Flight line Marking, Land use Mapping, Relief and Drainage Mapping.
7. Imagery Interpretation: Visual Methods – Mapping of Land use / Land Cover / Drainage.

Basic Texts:

1. Campbell, James, B (1987) Introduction to Remote Sensing, The Guilford Press, New York.
2. Clarke, Keith C.(1999) Getting Started with Geographic Information Systems, Prentice Hall, New Jersey.
3. Kang – tsung Chang (2003) Geographic Information Systems, Tata Mc Graw Hill, New Delhi
4. Michael F. Godchild and Karen K. Kemp (1990) Introduction to GIS, National Centre for Geographic Information and Analysis, University of California, Santa Barbara.

Additional Texts:

1. Anji Reddy ,M(2006): A Text Book of Remote Sensing and Geographical Information Systems, B.S. Publications, Hyderabad.
2. Curran, P (1997) Principles of remote Sensing, Longman, London.
3. DeMers, Michel, N (1997) Fundamentals of Geographic Information Systems. John Wiley and Sons, New York.
4. Lillisand, T.M. and R.W Kiefer (1997) Remote Sensing and Image Interpretation, John Wiley and Sons, New York.

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IIIrd B.A / B.Sc., GEOGRAPHY – (2017 -2018)

PAPER IV : REMOTE SENSING AND GEOGRAPHIC INFORMATION SYSTEM (G I S)

PRACTICAL MODEL QUESTION PAPER

Time : 3 hrs

Max Marks : 75

Answer all the following Questions

- | | |
|---|-----|
| 1). Remote Sensing and Arial photography | 25M |
| 2). Geographical Information System (G I S) | 25M |
| 3). Draw the given Diagrams of Remotesensing, Arialphotography and GIS instruments? | 10M |
| 4). Record | 15M |

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GOVERNMENT COLLEGE (AUTONOMOUS)

RAJAMAHENDRAVARAM

Board of Studies Meeting 2017 – 2018

DEPARTMENT OF GEOGRAPHY

List of Examiners / Paper Setters

S.No	Name of the Lecturer / Reader	College	No. of years of Experience as Degree College Lecturer	Paper Taught
1.	D. Venkata Rao	S.M.B.T. College Veeravasaram	25	ALL
2.	Dr. K. S. Prasad	M.R. College Vizianagaram	30	ALL
3.	K. Somayya	D. N. R. College Bhimavaram	07	ALL
4.	Ch. V. Ramana	Y. N. College Narasapuram	10	ALL
5.	K.V.Ramana	K.G.R.L. College(A), Bhimavaram	10	ALL
6.	K. Bhaskara Rao	S.M.B.T. College Veeravasaram	10	ALL
7.	Ch. Krishna Rao	Dr. C. S. N. College Bhimavaram	10	All
8.	J.Ganga bhavani	D. N. R. College Bhimavaram	05	All
9.	K.Yuvapriya	D. N. R. College Bhimavaram	05	All
10				
11				
12				
13				
14				

University Nominee

Local Nominee

Chairman Board of Studies
Department of Geography