

**GOVERNMENT COLLEGE (A)
RAJAMAHENDRAVARAM**

(College with Potential for Excellence-2016-2021)

Accredited with 'A+' (3.38/4.00) Grade by NAAC – 2020



ESTD. 1853

A Long cherished dream came true.....

Government College (Autonomous) Rajamahendravaram

The First Government College in India accredited with



ESTD. 1958

**DEPARTMENT OF GEOGRAPHY
BOARD OF STUDIES**

2022-2023

SEMESTER - I, II, III, IV, V, VI

(Modular and Choice based credit system)

(Teaching system of PEDAGOGY)

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 programme 36 students in each combination per year.

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM

DEPARTMENT OF GEOGRAPHY
Syllabus upgradation meeting

Consolidated Report of Board of Studies for the Year 2022 - 2023

The board of studies of **Geography** Department was convened on 27/07/2022 at 09:30 AM under the chairmanship of Sri. P Balaiah the following member were present.

Name		signature
	University Nominee	
	Subject expert	
	Subject expert	
	Staff member	
	Staff member	
	Staff member	
	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 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 Meeting Minutes - 2022 – 2023
Through Virtual Conference

In obedience to the proceedings of the principal, the Board of Studies, Department of **Geography** of Government College (Autonomous) Rajahmundry have met at 09:30 AM on 27th July 2022 through Google Meet under the Chairmanship of Sri. P. Balaiah, HoD, Department of Geography to discuss the curriculum design for the UG for the academic year 2022-2023.

Agenda:

1. Curriculum Design for all the Semesters for B.Sc, and B.A programs with Geography combination.
2. Designing of Course Outcomes and Course Objectives.
3. Identifying /inclusion of components of Skill Development, Employability and Entrepreneurship in the curriculum
4. Additional inputs into the curriculum
5. Designing Model Question Papers and identifying potential paper setters
6. Innovative Teaching – Learning Methodology (Learner Centric)
7. Any other proposal with the permission of the chair

Agenda 1: Curriculum Design for all the Semesters for B.Sc, B.Com and B.A programs with Geography combination.

Discussion: In the beginning, The BoS Chairperson Sri. P. Balaiah, presented the curriculum structure of B.Sc and B.A programmes (G.H.P, G.G.Cs) and also presented the list of new courses introduced in the current academic year and sought their opinion on the same.

Resolution 1: It is resolved to revise the Course structure for the programs in B. Sc (GGCS) and B.A (GHP).

S. No	Year	Semester	Paper NO	Course Code	Course Type	Title of the Course (Paper)	Max. Marks (SEE)	Marks in CIA	Hrs./week			
									L	T	P	C
1	I	I	1	GGY 101	Theory (Compulsory)	Physical Geography - I (Geomorphology)	50	50	3	1	0	3
2				GGY 103 (P)	Practical	Elements of Mapping	50		0	0	3	2
3	I	II	2	GGY 102	Theory (Compulsory)	Physical Geography - II (Climatology & Oceanography)	50	50	3	1	0	3
4				GGY 125 (P)	Practical	Representation of Statistical data	50		0	0	3	2
5	II	III	3	GGY 141	Theory (Compulsory)	Human and Economic Geography	50	50	3	1	0	3
6				GGY 118 (P)	Practical	Representation of Climatic data – Weather maps	50		0	0	3	2

7	II	IV	4	GGY 107	Theory (Compulsory)	Geography of India	50	50	3	1	0	3
8				GGY 123 (P)	Practical	Surveying with Instruments – Practical	50		0	0	3	2
9	II		5	GGY 144	Theory (Compulsory)	Introduction to Remote sensing and GIS	50	50	3	1	0	3
10				GGY 112 (P)	Practical	Introduction to Remote sensing and GIS	50		0	0	3	2
11	III	V	6 A	GGY 105	Theory Elective	Economic Geography	50	50	3	1	0	3
12				GGY 142 (P)	Practical	Thematic maps – Topographical maps	50		0	0	3	2
13			7 A	GGY 148	Theory Elective	Industrial Geography	50	50	3	1	0	3
14				GGY 145 (P)	Practical	Map projections	50		0	0	3	2
15	III	V	6 B	GGY 132	Theory Elective	Environmental Geography	50	50	3	1	0	3
16				GGY 142 (P)	Practical	Thematic maps – Topographical maps	50		0	0	3	2
17			7 B	GGY 121	Theory Elective	Disaster Management	50	50	3	1	0	3
18				GGY 145 (P)	Practical	Map projections	50		0	0	3	2
19	III	V	6 C	GGY 149	Theory Elective	Tourism Geography	50	50	3	1	0	3
20				GGY 142 (P)	Practical	Thematic maps – Topographical maps	50		0	0	3	2
21			7 C	GGY 147	Theory Elective	Resource Geography	50	50	3	1	0	3
22				GGY 145 (P)	Practical	Map projections	50		0	0	3	2

Agenda 2: Designing of Course Outcomes and Course Objectives

Discussion: The BoS Chairperson, informed the board about the Outcomes and Objectives of each course. The Board spent considerable amount of time and unanimously approved the Course outcomes of all courses.

Resolutions: All the Course Outcomes are approved as framed in the BoS, as per the APSHE frame work.

Agenda 3: Identifying / inclusion of components of Skill Development, Employability and Entrepreneurship in the curriculum.

Discussion: The members present discussed about the Skill development and Employability and Entrepreneurship components in the curriculum keeping in view of demand for the Job/Market oriented programs by the students. The members agreed in view of scope for enriching the student's knowledge and its applicability.

Resolutions: It is resolved to approve the inclusion of components of Skill Development, Employability and Entrepreneurship in the curriculum.

Agenda 4: Additional inputs into the curriculum.

Discussion: The members present discussed about the Additional inputs to the curriculum and approved to add some additional inputs for courses.

Resolutions: It is resolved to approve the Additional inputs added to the curriculum.

Agenda 5: Designing Model Question Papers and identifying potential paper setters.

Discussion: The members of BoS identified subject experts and prepared a list of examiners as well as paper setters for Semester End Examinations. The Board also discussed about the blue print of the Question papers for SEE.

Resolutions: It is resolved to approve the list of examiners and paper setters for the Academic year 2022-23. It is also resolved to approve the blue print of the Question papers.

Agenda 6: Innovative Teaching – Learning Methodology (Learner Centric)

Discussion: The Chairman, updated the board about innovativeness of the Curriculum and he added that the topics in each course aligned to one of the Skill Development, Employability and Entrepreneurship components and the same highlighted with the respective colours. He further informed that for each course an identified NPTEL/SWAYAM course web link also provided for the students in the BoS document for reference. He notified the board about the implementation of virtual labs for practical courses. The chairman mooted that all the practical courses are mapped to virtual labs and a QR code was provided in the BoS document so that the students will get more practical knowledge and he sought the opinion of the members on the same. The Internal and External subject experts appreciated the innovativeness and approved.

Resolutions: It is resolved to approve the Innovative Teaching – Learning Methodology as proposed in BoS

University Nominee

Local Nominee

**Chairman Board of Studies
Department of Geography**

GOVERNMENT COLLEGE (AUTONOMOUS) RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
Syllabus upgradation meeting
Board of Studies Meeting 2022 - 2023

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.	K.C.S. V. Ramana	Sri. Y. N. College(A) Narsapuram	18	All
2.	K. V. Ramana	K.G.R.L. College(A), Bhimavaram	15	All
3.	K. Somayya	D. N. R. College(A) Bhimavaram	12	All
4.	B.N.S.V. Prasad	Sri. Y. N. College(A) Narsapuram	11	All
6.	Ch. Krishna Rao	Dr. C. S. N. College Bhimavaram	13	All
7.	J. Gangabhavani	D. N. R. College(A) Bhimavaram	07	All
8.	K. Yuvapriya	D. N. R. College(A) Bhimavaram	07	All

University Nominee

Local Nominee

Chairman Board of Studies
Department of Geography

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
FIRSTYEAR B.A. / B.Sc. SEMESTER - I
SYLLABUS – 2022 - 2023
PAPER - 1: PHYSICAL GEOGRAPHY – I
(GEOMORPHOLOGY)
(Effect from 2020 - 2021 Admitted Batch)

UNIT - I

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

UNIT - II

1. Earth quakes
2. Volcanoes.
3. Rocks – classification.

UNIT – III

1. Wegner’s Continental drift theory
2. Plate tectonic theory
3. Weathering – types.

UNIT – IV

1. Erosion – Cycle of erosion
2. Processes and Landforms development of Rivers
3. Processes and Landforms development of Winds

UNIT – V

1. Processes and Landforms development of Ocean waves.
2. Processes and Landforms development of Underground water
3. Processes and Landforms development of Glaciers.

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Approved

GOVERNMENT COLLEGE (AUTONOMOUS) RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
FIRST YEAR - B.A. / B.Sc., SEMESTER - I
MODEL QUESTION PAPER – 2022 - 2023
PAPER - 1: PHYSICAL GEOGRAPHY - I
(GEOMORPHOLOGY)
(Effect from 2020-2021 Admitted Batch)

Time: 2:30 Hours

Max Marks: 50M

PART – A

Answer any THREE of the following Questions

3 X 10 = 30 M

కొరంది వానోలో ఏదైనా మూడోంటికి వ్యయసరూప సమాధానములు వ్రాయుము

1. Write a Geographical essay on the Interior of the Earth and its composition?

భూ అంతర్నిర్మాణం మరియు సంఘటనం గూర్చి భౌగోళిక వ్యయసము వ్రాయుము?

2. Classify the Major Land Forms? Explain any one of them?

ప్రధాన భూస్వరూపములను వర్గీకరించి అందు ఏదైనా ఒకదానిని గూర్చి వివరముగా వ్రాయుము?

3. What is Earth Quake and explain them?

భూకంపము అనగా నేమి? వాటిని గూర్చి క్లుప్తముగా వివరింపుము?

4. Explain the Continental drift Theory of Wegener with supporting evidences?

వాజినర్ ఖండచలన సిద్ధాంతమును సమర్థించు ఆధారములతో వివరింపుము?

5. Define what is weathering and write a detailed account of any one of them?

శిలా శైథిల్యం అనగా నేమి, అవి ఏవి? మరియు ఏదైనా ఒక శిలా శైథిల్యము గురించి వివరింపుము?

6. Describe the erosional and depositional land forms of wind?

పవనము యొక్క క్షయ మరియు నిక్షేపణల స్వరూపాలను గురించి వివరింపుము?

PART – B

Write short notes on any THREE of the following

3 X 5 = 15 M

ఈ క్రింది వానాలలో ఏవైనా మూడంటికో సమాధానములు వ్రాయుము

- | | |
|------------------------------------|--------------------------------|
| 7. Erosional Agents | - క్షయకారక ఏజెంట్లు |
| 8. Importance of River's landforms | - నదీ భూస్వరూపములు పర్యావేషణకు |
| 9. Stalactite - Stalagmite | - స్టాలక్టైట్ - స్టాలగ్మైట్ |
| 10. Depositional plains | - సేద్యకారక మైదానాలు |
| 11. Plate Tectonic theory | - పలక వర్షాపకారక సిద్ధాంతము |
| 12. Igneous Rocks | - అగ్ని శిలలు |

PART – C

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

5 X 1 = 05 M

అన్ని ప్రశ్నలకు రెండు వాక్యాలకు మించకుండా సమాధానములు వ్రాయుము

- | | |
|-----------------------|-------------------|
| 13. Sedimentary rocks | - అవకాశకారక శిలలు |
| 14. Pangaea | - పాంజీయా |
| 15. Delta | - డెల్టా |
| 16. Sinkholes | - సింక్ హోల్స్ |
| 17. Batholith | - బాతాలిత్ |

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
FIRST YEAR B.A. / B.Sc. SEMESTER – 1
PRACTICAL SYLLABUS – 2022 - 2023
PRACTICAL PAPER - I: ELEMENTS OF MAPPING
(Effect from 2020-2021 Admitted Batch)

1. Introduction to Cartography.
2. Maps and their types.
3. Map Scales. Types and Exercises
 - (i) Methods and Types of Scales
 - (ii) Conversion of Statement of Scale into R.F. and vice-versa.
 - (iii) Plain Scale OR Graphic Scale (Km and Mile)
 - (iv) Diagonal Scale
4. Representation of Topographical features by Contours.
Slopes (Concave, convex, undulating and terraced)
Valleys (V Shaped, U shaped, George)
Ridges (Conical hill, volcanic hill, Plateau, Escarpment)
Complex features (Waterfall, Sea cliff, Overhanging cliff, U – shaped valley, Fiord coast) –
Contours

Suggested Readings:

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

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Approved

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
FIRST YEAR B.A. / B.Sc. SEMESTER - I
MODEL PRACTICAL QUESTION PAPER - 2022 - 2023
PRACTICAL PAPER - I: ELEMENTS OF MAPPING
(Effect from 2020-2021 Admitted Batch)

Time: 2:30 Hrs.

Max. Marks: 50 M

ANSWER ALL THE QUESTIONS

ఈ క్రింది ప్రశ్నలను అనుసరించి సమాధానములు వ్రాయుము

1. Construct a Graphic scale with the given scale, and write the Construction processor? 15 M

మీకు ఇవ్వబడిన స్కేలు ఆధారముగా గ్రాఫిక్ స్కేలును గీచి, నిర్మాణక్రమము వ్రాయుము?

2. Represent the Land forms Relief by Contours of the following? 4 X 5 = 20 M

ఈ క్రింది వాటిలో ఏవైనా రెండు భూస్వరూపాలను సమన్విత రేఖల ద్వారా గీచి చూపుము?

a). Uniform slope

b) "V" shaped valley.

c) Ridge.

a). క్రమనత

b) "V" ఆకారపు లోయ

c) సముద్రాంతర కొండ

d). Plateau

d). పీఠభూమి

4. Viva voce

5 M

5. Record

10 M

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Approved

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
FIRST YEAR B.A. / B.Sc. SEMESTER – II
SYLLABUS - 2022- 2023
PAPER - 2: PHYSICAL GEOGRAPHY – II
(CLIMATOLOGY AND OCEANOGRAPHY)
(Effect from 2020 - 2021 Admitted Batch)

UNIT - I

1. Weather and Climate; Origin, Composition and structure of Atmosphere.
2. Insolation, Temperature - Horizontal and vertical distribution of temperature.

UNIT - II

1. Atmospheric pressure - Distribution, Pressure belts.
2. Planetary winds – Monsoons - Local winds.

UNIT - III

1. Humidity - Precipitation forms and Types and distribution.

UNIT - IV

1. Configuration of Oceanic floor - Atlantic – Pacific - Indian Ocean
2. Ocean Temperature
3. Ocean Salinity

UNIT - V

1. Ocean Currents- Atlantic – Pacific - Indian Ocean
2. Tides, waves of Oceans
3. Oceanic Deposits

Suggested Readings:

1. Barry, RG and Chorley R.J., Atmosphere, Weather and Climate, Routledge, 1998.
2. Critch field. 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- Grew Hill, New York, 1981.
5. Trewartha, G.T., The Earth's Problems Climates, University of Wisconsin Press, USA

Approved

GOVERNMENT COLLEGE (AUTONOMOUS) RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
FIRST YEAR - B.A. / B.Sc., SEMESTER - II
MODEL QUESTION PAPER – 2022 - 2023
PAPER -II: PHYSICAL GEOGRAPHY – II
(CLIMATOLOGY AND OCEANOGRAPHY)
(Effect from 2020 - 2021 Admitted Batch)

Time: 2:30 Hours

Max Marks: 50 M

PART - A

Answer any THREE of the following Questions

3 X 10 = 30 M

కొరొందొ వానొలొ ఏవొనొ మూడొంటొకొ వొయొసరూప సమొధొనములు వొరొయుము

1. Describe the Structure and composition of the Atmosphere?

వొతొవరణము యొక్క క నొరొమాణము మరొయు సంఘటనము గురొంచొ చరొచొంపుము?

2. Explain the Horizontal and vertical distribution of Temperature?

ఉష్ణొణొగొరత యొక్క కక్షొతొజ సమొంతర వొసొతరణ మరొయు ఊరొధొవ ఉష్ణొణొగొరత వొసొతరణ గురొంచొ వొవరొంపుము?

3. What is Atmospheric pressure? And describe the World Pressure belts?

వొతొవరణ పొడనము అనగొనొమొ? మరొయు పొరపంచ పొడన మొఖొలలను వొవరముగొ వొరొయుము?

4. Describe the Oceanic floor of the Atlantic Ocean?

అటొలొంటొక్క మహొసముదొరములొనొ సముదొరభూతలమును గురొంచొ చరొచొంపుము?

5. Describe the Currents of the Pacific Ocean?

పసొఫొక్క మహొసముదొరములొనొ పొరవొహొములను గురొంచొ చరొచొంపుము?

6. What is Salinity? And write a Geographical essay on Salinity of Oceans?

లవణొయత అనగొనొమొ? మరొయు సముదొర లవణొయతను గురొంచొ భొగొగొళొక వొయొసము?

PART - B

Write short notes on any THREE of the following

3 X 5 = 15 M

ఈ క్రింది వానోలో ఏవైనా మూడొంటికి సమాధానములు వ్రాయుము

7. Insolation - సూర్య మటుము
8. Westerlies or Anti-Trade winds - పశ్చిమ పవనాలు లేదా ప్చరతీ వ్యూహార పవనాలు
9. Local winds - స్థానిక పవనాలు
10. Continental shelf - ఖండతీరము అంచు
11. Terrigenous - భూజనిత నీకషేపాలు
12. Currents in Indian Ocean - హిందూ మహాసముద్ర ప్చరవాహాలు

PART - C

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

5 X 1 = 05 M

అనో ప్చరశ్నలకు రెండు వాక్యాలకు మించకుండా సమాధానములు వ్రాయుము

13. Climate - శీతోష్ణణస్థితి
14. Doldrums - ప్చరశాంత మండలం
15. Polar winds - ధ్రువ పవనాలు
16. Tides - ప్చోటుహ్చులు
17. Diatom - డయోటమ్

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Approved

**GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
FIRST YEAR B.A. / B.Sc. SEMESTER – II
PRACTICAL SYLLABUS - 2022 - 2023
PRACTICAL PAPER - 2: REPRESENTATION OF STATISTICAL DATA
(Effect from 2020 - 2021 Admitted Batch)**

Collection of Statistical data.

Line and Bar Graph.

Compound Bar Graph

Wheel diagram

Block diagram

Star diagram

Pyramid Graph

Squares and Rectangles

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. Lawrence, G.P. 1968. Cartographic Methods, Methuen, London,
Monkhouse, F.J. and Wilkinson, H.R. 1994. Maps and Diagrams, Methuen, London,
Pal. S.K. 1998: Statistics for Geoscientist- Techniques and Applications, Concept.
New Delhi,
5. Sarkar, A.K 1997: Practical Geography-A Systematic Approach, Orient Longman, Calcutta.
6. Singh Gopal (2004) 4th edition, Map Work and Practical Geography, Viksa Publication House.

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
FIRST YEAR B.A. / B.Sc. SEMESTER – II
MODEL PRACTICAL QUESTION PAPER - 2022 - 2023
PRACTICAL PAPER - 2: REPRESENTATION OF STATISTICAL DATA
(Effect from 2020 - 2021 Admitted Batch)

Time: 3:00 Hrs.

Max. Marks: 50 M

ANSWER ALL THE QUESTIONS

ఈ క్రింది ప్రశ్నలు అన్వేషక సమాధానములు వ్రాయుము

1. Draw a Line 05 M
2. Bar Graph by using the following Data 10 M
3. Draw a Wheel diagram with the given data 10 M
4. Draw the Pyramid graph with the given data 10 M
5. Viva voce 05 M
6. Record 10 M

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
SECOND YEAR B.A. / B.Sc. SEMESTER - III
SYLLABUS – 2022 - 2023
PAPER - 3: HUMAN AND ECONOMIC GEOGRAPHY
(Effect from 2020 - 2021 Admitted Batch)

UNIT - 1

1. Nature and objectives of Human and Economic Geography
2. Human, and Economic activities – Primary, Secondary, Tertiary, Quaternary.
3. Man, and Environment

UNIT - 2

1. Distribution and density of world population, population growth, fertility and mortality patterns.
2. Human settlements: classification and types. Urban settlements: Origin, Classification - Urbanization.

UNIT - 3

1. Resources: Classification, Conservation and Management.
2. Forest and types, concept of deforestation.
3. Fisheries: Major fishing grounds of the world, production and trade.

UNIT - 4

1. Minerals: Metallic (Iron ore, Aluminum)
2. Fuels: Coal and Petroleum, Production and distribution
3. Industry: Locational Factors, Industrial Location theory of Weber.
4. Major Industries: Iron and Steel, Cotton textile.

UNIT - 5

1. Agriculture: Types and Pattern of Agriculture, Green revolution.
2. Major Crops: Rice and Wheat Production – Distribution.
3. World Transportation - Roadways, Railways, Water ways and Airways.

REFERENCES BOOKS:

1. Alexander. J.W. 1963 – Economic Geography, Prentice Hall- New Delhi.
2. Leong G.C and Morgan C.C (1975) Human and Economic Geography - Oxford university press London.
3. Majid Hussain – 1999, Human Geography Rawat – Jaipur.

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
SECOND YEAR B.A. / B.Sc. SEMESTER – III
MODEL QUESTION PAPER – 2022 - 2023
PAPER - 3: HUMAN AND ECONOMIC GEOGRAPHY
(Effect from 2020 - 2021 Admitted Batch)

Time: 2:30 Hours

Max Marks: 50 M

PART - A

Answer any THREE of the following Questions

3 X 10 = 30 M

కొరంది వానోలో ఏవైనా మూడోంటోకొ వ్యాయాసరూప సమాధానములు వ్రాయుము

1. Describe the various Human Economic activities?

వోవోధ మానవ ఆర్థిక వృత్తులను గురించో వోవరంపుము?

2. Describe the relationship between Man and Environment?

మానమడు మర్యు పరసరములను గురించో వోవరముగా వ్రాయుము?

3. Write a detailed account of various Types and Patterns of Agriculture in the World?

పరపంచము నందల అమలులో ఉన్ వోవోధ రకములైన వ్యయవసాయ పదోదతులను గురించో వోవరముగా వ్రాయుము?

4. Write a Geographical essay on Major Fishing Grounds of the world?

పరపంచము నందల పరధాన మత్య సంపద సంగరహణ పరంతాలను గురించో ఒక వ్యయసము వ్రాయుము?

5. Write a Geographical account of the production and distribution of Iron ore in the world?

పరపంచము నందల ఇనుప ధాతు ఉత్పత్తి మర్యు వోస తరణ గూరచో ఒక భాగోళిక వ్యయసము వ్రాయుము?

6. Provide a detailed account of Weber's Industrial location theory?

వబబరు యొక్క పారోశరమోక సధల నోరణయ సోదధాంతమును గూరచో వోశదోకరంపుము?

PART - B

Write short notes on any THREE of the following

3 X 5 = 15 M

ఈక్రొందో వానోలొ ఏవైనా మూడొంటొకొ సమాధానములు వ్రాయుము

7. Human, and Economic Geography - మానవ ఆర్థిక భూగోళ శాస్త్రం
8. Urbanization in the world - పరపంచ నగరీకరణ
9. Renewable resources - పునః సోధాపక వనరులు
10. Aluminum Production in the World - పరపంచ అల్యూమీనొయం ఉత్పత్తి
11. International Air Ports in the World - పరపంచలొనొ అంతర్జాతీయ వొమానాశ్రయాలు
12. Rural Settlements - గ్రామీణ జనపదాలు

PART - C

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

5 X 1 = 05 M

ఈక్రొందొ అంశములను మకొవ వబడొన పరపంచ పటమునందు గుర్తొంచుము

- a) Black Sea - నల్ల సముద్రము
- b) Lake Superior - సుపీరియర్ సరస్సు
- c) Amazon River - అమజాన్ నదొ
- d) New Delhi - న్యూఢొలొలొ
- e) Persian Gulf - పర్షియా సొంధు శొఖ

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
SECOND YEAR B.A. / B.Sc. SEMESTER – III
PRACTICAL SYLLABUS - 2022 - 2023
PRACTICAL PAPER - 3: REPRESENTATION OF CLIMATIC DATA – WEATHER
MAPS
(Effect from 2020 - 2021 Admitted Batch)

- I. Collection of Climatic data.
Representation of temperature and rainfall.
Line and Bar Graph.
Distribution of temperature (isotherms)
Distribution of rainfall (isohyets)
Hither graph - Clime graph (wet and dry places)
- II. Weather map symbols and Interpretation

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,
Monkhouse, F.J. and Wilkinson, H.R1994. Maps and Diagrams, Methuen, London,
Pal. S.K. 1998: Statistics for Geoscientist- Techniques and Applications, Concept.
New Delhi,
5. Sarkar, A.K 1997: Practical Geography-A Systematic Approach, Orient Longman, Calcutta.
6. Singh Gopal (2004) 4th edition, Map Work and Practical Geography, Viksa Publication House.

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
SECOND YEAR B.A. / B.Sc. SEMESTER – III
MODEL PRACTICAL QUESTION PAPER - 2022 - 2023
PRACTICAL PAPER - 3: REPRESENTATION OF CLIMATIC DATA – WEATHER
MAPS
(Effect from 2020 - 2021 Admitted Batch)

Time: 3:00 Hours

Max Marks: 50 M

I. Answer all the Questions

Draw a Line / by using the following Data	05 M
Draw a Isotherms on the map	10 M
Draw the Bar Graph by the given Climatic data	10 M
Weather Map symbols	10 M
Viva voce	05 M
Record	10 M

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
SECOND YEAR B.A. / B.Sc. SEMESTER – IV
SYLLABUS – 2022 - 2023
PAPER - 4: GEOGRAPHY OF INDIA
(Effect from 2020 - 2021 Admitted Batch)

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 - Multi Purpose Projects.
2. Energy - Power Projects.

UNIT - 4

1. Energy and Mineral resources – Coal – Iron ore – Mica.
2. Industries – Iron and steel – Cotton textile – Oil refineries

UNIT - 5

1. Indian Transportation - Roadways, Railways, Airways, Waterways
2. 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.

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
SECOND YEAR B.A. / B.Sc. SEMESTER - 1V
MODEL QUESTION PAPER – 2022 - 2023
PAPER – 4: GEOGRAPHY OF INDIA
(Effect from 2020 - 2021 Admitted Batch)

Time: 2:30 Hours

Max Marks: 50 M

PART – A

Answer any THREE of the following Questions

3 X 10 = 30 M

కర్తంది వానలలో ఏవైనా మూడొంటికో వ్యయసరూప సమాధానములు వ్రాయుము

1. What are the Major Physical Divisions of India? Explain any One of them?

భారతదేశంలోని ప్రధాన భౌతిక విభాగాలు ఏవీ? మరియు వాటిలో ఏదైనా ఒకదానిని గురించి వివరముగా వ్రాయుము?

2. Classify the Soils in India, and write their distribution in India?

భారతదేశం యందు మృత్ తీకలను వర్గీకరించి, మరియు వాటి విస్తరణ గూర్చి వివరముగా వ్రాయుము?

3. Write a Geographical essay on Growth and distribution of Population in India?

భారతదేశంలోని జనాభా పౌరుగుదల, మరియు విస్తరణను గూర్చి ఒక భౌగోళిక వ్యయసము వ్రాయుము?

4. Write a Geographical essay on Major Irrigation systems in India?

భారతదేశంలోని ప్రధాన సాగునీటి పద్ధతులను గూర్చి ఒక భౌగోళిక వ్యయసము వ్రాయుము?

5. Write a detailed account of Production and distribution of Coal in India?

భారతదేశం యందు బొగ్గు ఉత్పత్తి మరియు విస్తరణను గూర్చి వివరముగా వ్రాయుము?

6. Write a Geographical essay on the growth and development of Cotton textile industry in India?

భారతదేశంలోని నూలువస్త్ర పరిశ్రమ పౌరుగుదల మరియు అభివృద్ధి గూర్చి ఒక భౌగోళిక వ్యయసము వ్రాయుము?

PART - B

Write short notes on any THREE of the following

3 X 5 = 15 M

ఈక్రొందో వానోలొ ఏవైనా మూడొంటొకొ సమాధానములు వ్రాయుము

7. North West Monsoons - నైఋత్య ఋతుపవనాలు
8. Bhakra Nangal Project - భాక్రానంగల్ ప్రాజెక్ట్
9. Mica - మైకా (అభ్రకము)
10. Airways in India - భారతదేశంలోని వాయు మార్గాలు
11. Major Imports of India - భారతదేశ ప్రధాన దిగుమతులు
12. Urbanization in India - భారతదేశంలోని నగరీకరణ

PART - C

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

5X 01= 05 M

ఈక్రొందో అంశములను మకొవ వబడొన భారతదేశము పటమునందు గుర్తొంచుము

- a) Western Ghats - పశ్చిమ కనుమలు
- b) Delhi - ఢిల్లీ
- c) Kolkata - కలకత్తా
- d) Arabian Sea - అరబియా సముద్రము
- e) River Tape - తపతీ నది

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
SECOND YEAR B.A. / B.Sc. SEMESTER – IV
PRACTICAL SYLLABUS – 2022 - 2023
PAPER - 4: SURVEYING WITH INSTRUMENTS
(Effect from 2020 - 2021 Admitted Batch)

I. Surveying with Instruments

1. Chain Survey
2. Plain Table
3. Prismatic compass

Suggested Readings:

1. Ananta Narayan Raman and Jaya Shree Nimmagadda. A Hand book of Research Process.
3. Bajpal S.R. methods of Social Survey and Research.
4. Gautam, N.C. Development of Research Tools.

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DEPARTMENT OF GEOGRAPHY
SECOND YEAR B.A. / B.Sc. SEMESTER – IV
PRACTICAL MODEL QUESTION PAPER – 2022 - 2023
PRACTICAL PAPER - 4: SURVEYING WITH INSTRUMENTS
(Effect from 2020 - 2021 Admitted Batch)

Time: 3:00 Hrs.

Max Marks: 50 M

Answer ALL the following questions.

అనన్వేషణలకు సమాధానములు వ్రాయుము

- | | | |
|----|--|------|
| 1. | Survey the given area with the help of given surveying instruments | 30 M |
| 2. | Draw the given Surveying Instruments | 10 M |
| 3. | Viva voce | 5 M |
| 4. | Record | 10 M |

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
SECOND YEAR B.A. / B.Sc. SEMESTER – IV
SYLLABUS – 2022 - 2023

PAPER - 5: INTRODUCTION TO REMOTE SENSING AND G.I.S.
(Effect from 2020 - 2021 Admitted Batch)

UNIT - 1

1. Basics of Remote Sensing: Definition, History and Advantages
2. Aerial Photography - Satellite remote sensing.
3. Components of Remote Sensing System.

UNIT - 2

1. Remote Sensing System - Energy Source
2. Interaction of Electromagnetic Radiation with Atmosphere, and Earth Surface Materials
3. Remote Sensing System Platforms: Major Platforms (Aircrafts – Satellites)

UNIT - 3

1. Remote Sensing Sensors - Types of Sensors: Active and Pas Framing System (Cameras) – Scanning Systems (Sensors)
2. Remote Sensing System - Aerial Cameras - Aerial Films - Aerial Camera Filters
3. Remote Sensing in India: Development and Growth - Satellites.

UNIT - 4

1. Fundamentals of Geographical Information System (G I S): Definition Elements and functions.
2. Components of Geographical Information System: Hardware components, Software components, Brain – ware components and others.
3. Geographical Information System (G I S) Data classification: Spatial and attribute data – Raster and Vector data – Advantages and Disadvantages.
4. Geographical Information System (G I S) Data input methods and classification (Key board Entry, Digitizing, Scanning)

UNIT - 5

1. Geographical Information System (G I S) Data Analysis: Data Conversion - Spatial Measurements - Reclassification - Buffering (point, Line, Area, Doughnut)
2. Data Base Management System: Definition - Components and Functions
3. Integration of Remote sensing and Geographical Information System (G I S)

REFERENCE BOOKS:

1. Campbell James, B (1987) Introduction to Remote Sensing, The Guilford Press, New York.
2. Curran, P (1985) Principles of Remote Sensing, London.
3. Kang- stung Chang (2003) Geographic Information Systems, Tata McGraw hill, New Delhi
4. Lillis and, T.M. and R.W Kefir (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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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
SECOND YEAR B.A. / B.Sc. SEMESTER – IV
MODEL QUESTION PAPER – 2022 - 2023
PAPER - 5: INTRODUCTION TO REMOTE SENSING AND G.I.S.
(Effect from 2020 - 2021 Admitted Batch)

Time: 2:30 Hours

Max Marks: 50 M

PART - A

Answer any THREE of the following Questions

3 X 10 = 30 M

కర్తరిందో వానోలొ ఏవైనా మూడోంట్రికో వ్కయాసరూప సమాధానములు వ్కరాయుము

1. Define what is Remote Sensing? And write history and advantages of Remote Sensing?

సుదూర గ్కరూహక వ్కరకర్రియను నోర్వచోంచుము? మరీయు దానో చరీతర్కర మరీయు ఉపయోగములను గూర్కచో వ్కరాయుము?

2. Write a detailed note on Components of Remote Sensing?

సుదూర గ్కరూహక వ్కరకర్రియ ముఖ్య వోభాగాలను గూర్కచో వోవరముగా వ్కరాయుము?

3. Classify the Platforms? And write a detailed account of various Platforms in Remote Sensing?

సుదూర గ్కరూహక వ్కరకర్రియ యందు వోదోకలను వర్కగోకర్రించుము? మరీయు వోవోధ రకాలైన వోదోకలను గూర్కచో వోవరముగా వ్కరాయుము?

4. Define what is Geographical Information System (G I S)? And write about 'G I S' functions?

భౌగోళిక సమాచార వ్కయవసోధ (జి. ఐ. ఎస్.) ను నోర్వచోంచుము?, మరీయు భౌగోళిక సమాచార వ్కయవసోధ (జి. ఐ. ఎస్.) యొక్క వోధులను గూర్కచో వ్కరాయుము?

5. Write about the different methods of Data Input in Geographical Information System (G I S)?

భౌగోళిక సమాచార వ్కయవసోధ (జి. ఐ. ఎస్.) యందు వోవోధ రకాలైన దత్తాంశ సోకరణ పద్ధతులను గూర్కచో వ్కరాయుము?

6. Define what is Database Management System (DBMS)? And write the Components and Functions of (DBMS)?

దత్తాంశ మూలయాజమాన్య వ్కయవసోధను(DBMS) నోర్వచోంచుము?, మరీయు దానో వోభాగాలను, వోధులను గూర్కచో వ్కరాయుము?

PART - B

Write short notes on any THREE of the following

3 X 5 = 15 M

ఈ క్రింది వానాలలో ఏవైనా మూడొంటికో సమాధానములు వ్రాయుము

7. Raster data - రాష్ట్రటార్ దత్తాంశము
8. Satellite Remote sensing - ఉపగ్రహ దూరగ్రహాక పర్యవేక్షణ
9. Types of Aerial Cameras - గగన క్రమరాలు రకములు
10. Problems of Integration between R.S & G I S - R.S & G I S సమ్మేళన తలలో సమస్యలు
11. Indian Satellites brief history - ఇండియాలో కృత్రమ ఉపగ్రహాల సంక్షిప్త చరిత్ర
12. Digitizing - డిజిటైజింగ్

PART - C

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

5 X 1 = 05 M

అన్ని ప్రశ్నలకు రెండు వాక్యాలకు మించకుండా సమాధానములు వ్రాయుము

13. Electro Magnetic Energy - విద్యుత్ అయస్కాంత శక్తి
14. I S R O - ఇస్రో
15. Spatial data - భూతల సమాచారము
16. Black body - కృష్ణ వస్తువు
17. Drum scanners - డ్రమ్ స్కానర్లు

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
SECOND YEAR B.A. / B.Sc. SEMESTER – IV
PRACTICAL SYLLABUS – 2022 - 2023
PRACTICAL PAPER - 5: REMOTE SENSING AND G.I.S.
(Effect from 2020 - 2021 Admitted Batch)

Remote sensing:

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

Geographic information system (GIS):

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, Digitizing, Scanning
4. Raster and Vector GIS Capabilities: Display, Query, Overlay, Buffering.

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 Grew 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. De Mers Michel, N (1997) Fundamentals of Geographic Information Systems. John Wiley and Sons, New York.
4. Lillian, T.M. and R.W Kiefer (1997) Remote Sensing and Image Interpretation, John Wiley and Sons, New York.

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
SECOND YEAR B.A. / B.Sc. SEMESTER – IV
PRACTICAL MODEL QUESTION PAPER – 2022 - 2023
PRACTICAL PAPER - 5: REMOTE SENSING AND G.I.S.
(Effect from 2020 - 2021 Admitted Batch)

Time: 3:00 Hrs.

Max Marks: 50 M

Answer all the following Questions

- | | | |
|----|---|------|
| 1) | Remote Sensing and Arial photography | 09 M |
| 2) | Air Photo interpretation using with stereoscope | 09 M |
| 3) | GIS Instruments | 09 M |
| 4) | Draw the given Diagrams of and GIS instruments? | 08 M |
| 5) | Viva voce | 5M |
| 6) | Record | 10 M |

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
THIRD YEAR B.A. / B.Sc. SEMESTER – V
SYLLABUS – 2022 - 2023
PAPER – 6A (Elective): ECONOMIC GEOGRAPHY
(Effect from 2020 - 2021 Admitted Batch)

UNIT - I

1. Agriculture: Types and Pattern of Agriculture, Green revolution.
2. Major Crops: Rice Production – Distribution.
3. Wheat Production – Distribution.

UNIT – II

1. Livestock: Development, distribution and products.
2. Fisheries: Major fishing grounds of the world, production and trade.

UNIT - III

1. Minerals: Metallic (Iron ore, Aluminum)
2. Fuels: Coal and Petroleum, Production and distribution

UNIT - IV

1. Industry: Locational Factors, Industrial Location theory of Weber.
2. Major-Industries: Iron and Steel Industry - Cotton textile Industry

UNIT - V

1. Transport: Roadways, Railways, Water ways and Airways.
2. International trade - Major Exports and Imports.

REFERENCE BOOKS:

1. Alexander. J. W. 1963 – Economic Geography, Prentice Hall- New Delhi.
2. Leong G. C and Morgan C.C (1975) Human and economic Geography Oxford University Press London.
3. Majid Hussain – 1999, Human Geography Rawat – Jaipur

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
THIRD YEAR B.A. / B.Sc. SEMESTER – V
MODEL QUESTION PAPER – 2022 - 2023
PAPER – 6A (Elective): ECONOMIC GEOGRAPHY
(Effect from 2020 - 2021 Admitted Batch)

Time: 2:30 Hours

Max Marks: 50 M

PART – A

Answer any THREE of the following Questions

3 X 10 = 30 M

కొరొండో వానోలొ ఏవైనా మూడొంటొకొ వొయొసరూప సమాధానములు వొరొయుము

1. Write a detailed account of various Types and Patterns of Agriculture in the World?

వొరొపంచము నందలొ అమలులొ ఉనొన వొవొధ రకములైన వొయవసొయ పదొదతులను గురొంచొ వొవరముగా వొరొయుము?

2. Write a Geographical Essay on Production and distribution of Rice in the World?

వొరొపంచము నందలొ వరొ ఉత్పత్తొ, వొసొతరణ గురొంచొ భొగొళొక వొయొసము వొరొయుము?

3. Write a Geographical Essay on live stock distribution and their productions in the World?

వొరొపంచము నందలొ జంతుసంపద వొసొతరణ మరొయు వొటొ ఉత్పత్తుల గురొంచొ భొగొళొక వొయొసము వొరొయుము?

4. Write a Geographical Essay on Major Fishing Grounds in the World?

వొరొపంచము నందలొ వొరొధాన మత్తొయ సంపద సంగొరహణ పొరొంతాలను గురొంచొ భొగొళొక వొయొసము?

5. Describe the detailed account of Weber's industrial location theory?

వొబొబరొ యొక్క హొశొరొమొక సొధల నొరొణయ సొదొధాంతమును గురొంచొ వొవరముగా చరొచొంపుము?

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

వొరొపంచము నందలొ నొలు వసొత్తొర పరొశొరమ యొక్క ఉనొకొ మరొయు వొసొతరణ గురొచొ వొవరొంపుము?

PART - B

Write short notes on any THREE of the following

3 X 5 = 15 M

ఈక్రొందో వానోలో ఏవైనా మూడొంటికో సమాధానములు వ్రాయుము

7. Green revolution - హారోత వోప్లవము
8. Petroleum importance - పౌటోరోలొయం ప్రోరాధానోయత
9. Aluminum Production - అలొయూమొనొయం ఉత్పత్తొ
10. Suez Canal - సూయజ్ కౌలువ
11. International Trading - అంతర్జాత్యోయ వ్లోయాహారం
12. Wheat Production - గ్లోధుమ ఉత్పత్తొ

PART - C

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

5 X 1 = 05 M

ఈక్రొందో అంశములను మ్కోవ్ వబడొన ప్రోపంచ పటమునందు గుర్తొంచుము?

- a) Black Sea - నలొల సముద్రము
 - b) Lake Superior - సుపీరియర్ సరస్సు
 - c) Amazon River - అమౌజాన్ నదొ
 - d) New Delhi - న్లోయూడొలొలొ
 - e) Persian Gulf - పర్షొయొ సొంధు శొఖ
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(Effect from 2020 - 2021 Admitted Batch)

UNIT - I

Basic Concepts: Meaning, nature and scope of Industrial Geography; Recent trends in Industrial Geography - Classification of industries.

UNIT – II

Concepts of Industrialization, Industrial complex and industrial estate; Role of Industries in Regional development

UNIT - III

Location Factors and Theories: Factors of industrial location; Linkage in Industries; Theories of industrial location: Weber, Hoover, and Smith.

UNIT - IV

Spatial Arrangement of Industries: Localization and distribution of iron & steel, cotton textile and sugar industries; Bases of identification of industrial regions; Industrial regions of U.S.A .and West Europe.

UNIT - V

Industrial development and policies; Industrial regions and complexes; Impact of Globalization on industries; Problems of industrialization; Environmental impact on Industrialization; Tourism as an industry.

REFERENCE BOOKS:

1. Alexanderson, C. (1967): Geography of Manufacturing. Prentice-Hall of India, New Delhi.
2. Hoover, E. M. (1948): Location and Space Economy. McGraw Hill, New York.
3. Lodha, R.M. (2005): Audyogika Bhoogol, Rajasthan Hindi Granth Academy, Jaipur
4. Miller, E. (1962): Geography of Manufacturing. Prentice-Hall, Englewood Cliffs, New Jersey.
5. Riley, R. C. (1973): Industrial Geography, Chatto and Windus Ltd. London.
6. Sharma, V.N. (2001): Industrial Development and Planning in India, Radha Publications, New Delhi,
7. Singh, M. B. (1990): New Perspectives in Industrial Geography. Lotus Publication, Varanasi.
8. Singh, M. B. (1988): Industrial Geography. Lotus Publication, Varanasi.

Approved

**GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
THIRD YEAR B.A. / B.Sc. SEMESTER – V
MODEL QUESTION PAPER – 2022 - 2023
PAPER – 7A (Elective): INDUSTRIAL GEOGRAPHY**

(Effect from 2020 - 2021 Admitted Batch)

Time: 2:30 Hours

Max Marks: 50 M

PART – A

Answer any THREE of the following Questions

3 X 10 = 30 M

కొరిందో వానోలొ ఏవైనా మూడొంటొకొ వొయొసరూప సమొధొనములు వొరొయుము

1. Define Industrial Geography, and write about nature and scope of Industrial Geography?
పొరిశొరొమొక భొగొళ శొసొతొరమును నొరొవచొంచొ, మరొయు దొనొ సొవభొవం, పరిధొ గురించొ వొవరముగొ వొరొయుము?
2. Write a Geographical Essay on Classification of industries?
పరిశొరమల వరొగొకరణ గురించొ ఒక భొగొళొక వొయొసము వొరొయుము?
3. Describe the detailed account of Role of industries in Regional development
వొరొంతొయ అభొవృదొధొ యందు పరిశొరమల పొతొరను గురించొ చరొచొంపుము?
4. Describe the detailed account of Weber's industrial location theory?
వొబొబరొ యొకొక పొరిశొరొమొక సొధల నొరొణయ సొదొధొంతమును గురించొ వొవరముగొ చరొచొంపుము?
5. Describe the location and distribution of cotton textile industry in the world?
వొరపంచము నందలొ నొలు వసొతొర పరిశొరమ యొకొక ఉనొకొ మరొయు వొసొతొరణ గొరొచొ వొవరొంపుము?
6. Write a Geographical Essay on Environmental impact on Industrialization?
పరొయొవరణం ప్తొ పొరిశొరొమొకొకరణ పొరభొవం గురించొ ఒక భొగొళొక వొయొసము వొరొయుము?

PART - B

Write short notes on any THREE of the following

3 X 5 = 15 M

ఈక్రొందో వానోలొ ఏవైనా మూడొంటొకొ సమాధానములు వ్రాయుము

7. Small scale Industries - చొనొనతరహా పరోశొరమలు
8. Industrial estate - హారొశొరొమొక పొరాంతం
9. Role of Transportation in Industries - పరోశొరమల పైనై రవాణా పొతొర
10. Industrial location theory of Hoover - హొవరొ హారొశొరొమొక సొధల నొరొణయ సొదొదొంతము
11. Industrial regions of U.S.A - USA లొ హారొశొరొమొక పొరాంతం
12. Problems of industrialization - హారొశొరొమొకరణలొ ఇబొబందులు

PART - C

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

5 X 1 = 05 M

ఈక్రొందొ అంశములను మొకొవొవబడొన పొరపంచ పటమునందు గురొతొంచుము?

- a) Japan - జపొనొ
 - b) Kenya - కొనొయా
 - c) Mexico - మొకొసొకొ
 - d) Germany - జరొమనొ
 - e) Iran - ఇరొనొ
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SYLLABUS – 2022 - 2023
PAPER – 6B (Elective): ENVIRONMENTAL GEOGRAPHY
(Effect from 2020 - 2021 Admitted Batch)

UNIT - I

1. Environmental Geography – Concept and Scope
2. Environment types – Physical and Cultural

UNIT - II

1. Human-Environment Relationships – Historical Progression,
2. Adaptation in different Biomes.

UNIT - III

1. Ecosystem – Concept, Structure and Functions
2. Bio - diversity

UNIT - IV

1. Environment - Natural Vegetation
2. Environmental Hazards
3. Environmental Pollution (Water and Air)

UNIT - V

1. Environmental Programs and Policies – Global, National and Local levels
2. Emerging Environmental issues – Population Explosion – Food Security – Deforestation – Global Warming – Sustainable Development

Suggested Readings:

1. Chandna R. C., 2002: Environmental Geography, Kalyani, Ludhiana.
2. Cunningham W. P. and Cunningham M. A., 2004: Principals of Environmental Science: Inquiry and Applications, Tata Mc graw Hill, New Delhi.
3. Singh, R.B. (Eds.) (2009) Biogeography and Biodiversity. Rawat Publication, Jaipur
4. MoEF, 2006: National Environmental Policy-2006, Ministry of Environment and Forests, Government of India.
5. Odum, E. P. et al, 2005: Fundamentals of Ecology, Ceneage Learning India.
6. Singh S., 1997: Environmental Geography, Prayag Pustak Bhawan. Allahabad.
7. Singh, Savindra 2001. Paryavaran Bhugol, Prayag Pusthak Bhawan, Allahabad. (Hindi)

Approved

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
THIRD YEAR B.A. / B.Sc. SEMESTER - V
MODEL QUESTION PAPER – 2022 - 2023
PAPER - 6B (Elective): ENVIRONMENTAL GEOGRAPHY
(Effect from 2020 - 2021 Admitted Batch)

Time: 2:30 Hrs.

Max Marks: 50 M

PART – A

Answer any THREE of the following Questions

3 X 10 = 30 M

కొరొండో వానోలో ఏవైనా మూడొంటికి వ్యయసర్కాప సమాధానములు వ్రాయుము

1. Define Environmental Geography? And write about the Scope and concept of Environmental Geography?

పర్యవరణ భూగోళ శాస్త్రమును నిర్వచించుము? మరియు పర్యవరణ భూగోళ శాస్త్రము యొక్క పరిధి మరియు భావనలను గూర్చి వ్రాయుము?

2. Explain the relationship between Human and Environment?

మానమడు మరియు పరిసరముల మధ్య సంబంధమును గురించి వివరింపుము?

3. Describe the structure, concept and functions of Ecosystem?

పర్యవరణ వ్యవస్థ నిర్మాణం, భావనలు మరియు విధులను గురించి వివరింపుము?

4. Write a Geographical essay on Bio - Diversity?

జీవ వైవిధ్యమును గురించి ఒక భౌగోళిక వ్యయసము వ్రాయుము?

5. Write a Geographical essay on Natural Vegetation?

సహజ ఉదభిజ సంపదను గురించి ఒక భౌగోళిక వ్యయసము వ్రాయుము?

6. Write a Geographical essay on Environmental Hazards?

పర్యవరణ పరమాదములను గురించి ఒక భౌగోళిక వ్యయసము వ్రాయుము?

PART - B

Write short notes on any THREE of the following

3 X 5 = 15 M

ఈ క్రింది వానోలో ఏవైనా మూడోంటికో సమాధానములు వ్రాయుము

7. Physical Environment - భౌతిక పరిసరములు
8. Global warming - గ్లోబల్ వార్మింగ్
9. Evergreen Forest - సతహారిత అరణ్యాలు
10. Food Security - ఆహార భద్రత
11. Deforestation - అడవుల నశింపజేయుట
12. Water Pollution - నీరు కాలుష్యం

PART - C

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

5 X 1 = 05 M

అనోనో పరశనలకు రెండు వాక్యాలకు మించకుండా సమాధానములు వ్రాయుము

13. Air Pollution - వాయు కాలుష్యం
14. Environment - పరిసరములు
15. Bio-Diversity - జీవవైవిధ్యం
16. Tundra - టండ్రాలు
17. Floods - వరదలు

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
THIRD YEAR - B.A. / B.Sc. SEMESTER – V
SYLLABUS - 2022 - 2023
PAPER – 7B (Elective): DISASTER MANAGEMENT
(Effect from 2020 - 2021 Admitted Batch)

UNIT - I

1. Disasters - Hazards: Definition and Concepts.
2. Vulnerability of Disasters - Hazards

UNIT - II

1. Classification of Disasters - Natural and Human Induced Disasters
2. Causes, Impact and Distribution of Disaster management

UNIT - III

1. Disasters: Floods and Droughts, Landslides, Diseases, Terrorism, Stampede, and Nuclear Disasters.
2. Accidental Disasters - Railway, Roadway, Airway and Others.

UNIT - IV

1. Earthquake, Tsunami, Cyclones - Causes, Impact and distribution of Disaster Management
2. Chemical or Industrial Disasters - Causes, Impact and distribution of Disaster Management

UNIT - V

1. Disaster Management Stages - Response, Mitigation and Preparedness.
2. Disaster Management - International Organizations.

Suggested Readings:

1. Government of India (1997) Vulnerability Atlas of India. New Delhi, Building Materials & Technology Promotion Council, Ministry of Urban Development, Government of India.
2. Kapoor. A. (2010) Vulnerable India: A Geographical Study of Disasters, Sage Publication, New Delhi.

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
THIRD YEAR B.A. / B.Sc. SEMESTER - V
MODEL QUESTION PAPER – 2022 - 2023
PAPER – 7B (Elective): DISASTER MANAGEMENT
(Effect from 2020 - 2021 Admitted Batch)

Time: 2:30 Hrs.

Max Marks: 50 M

PART – A

Answer any THREE of the following Questions

3 X 10 = 30 M

కర్ణాటకలో వానపీట వల్ల ఏర్పడే ప్రమాదాలను గురించి మూడు అంశాలకు వ్యూహానితములు వ్రాయుము

1. Define what is Disaster? And describe the vulnerability of disasters in India?

వృషతృతును నర్వచించుము? మర్యు భారతదేశంలో వృషతృతుల వలల కలగన ధురభల పరస్థతులను గూర్చి వ్రాయుము?

2. Classify the Disasters and write about the causes and impact of Natural Disasters?

వృషతృతులను వర్గీకరించి, మర్యు సహజ వృషతృతుల యొక్క కారణంశములను మర్యు వాటి పరభావములను గూర్చి వ్రాయుము?

3. Describe the various types of Accidental disasters?

వృషతృతులను గురించి వృషతృతులను గురించి వ్రాయుము?

4. Describe the Earth Quakes and its causes, impact and preparedness?

భూకంపాలు వాటి కారణాలు, పరభావము మర్యు ముందు జాగ్రత్తలను గురించి వ్రాయుము?

5. Describe the various stages of Disaster Management system?

వృషతృతు నర్వచనా దశలను గురించి వ్రాయుము?

6. Describe the various International Organizations of Disaster Management?

వృషతృతు నర్వచనాకు సంబంధించిన వృషతృతు అంతర్జాతీయ సంస్థలను గురించి వ్రాయుము?

PART - B

Write short notes on any THREE of the following

3 X 5 = 15 M

ఈ క్రింది వానపీట వల్ల ఏర్పడే ప్రమాదాలను గురించి మూడు అంశాలకు వ్యూహానితములు వ్రాయుము

7. Biological Disasters - జీవ సంబంధ వృషతృతులు
8. Stampede - త్రొక్కోకొసలాట
9. Tsunami - సునామీ
10. Terrorism - ఊగ్రవాదం
11. Hazards Impact - వృషతృతుల పరభావం
12. Floods - వరదలు

PART - C

12. Locate the following on the outline map the World.

5 X 1 = 05 M

ఈక్రొందొ సూ఑ొం఑ొన అంశములను మక్రొవ్ వబడొన వ్రపం఑ పటమునందు గుర్తొం఑ుము?

- a) Japan - జపాన్
 - b) Amazon River - అమౌజాన్ నదొ
 - c) Mount Vesuvius - మౌంట్ వొసువొయస్
 - d) Mount Krakatoa - మౌంట్ క్రకటొవొ
 - e) Sumatra - సుమత్రొ
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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
THIRD YEAR B.A. / B.Sc. SEMESTER – V
SYLLABUS – 2022 - 2023
PAPER – 6C (Elective): TOURISM GEOGRAPHY
(Effect from 2020 - 2021 Admitted Batch)

UNIT - I

Meaning and Definition of tourism. Nature, Scope, Importance of tourism, Tourism as an Interdisciplinary Subject. Recent Trends in Tourism Geography

UNIT – II

Factors affecting Tourism development - Physical Factors – Relief, Climate, Vegetation, Wildlife, Water Bodies. Socio-Cultural Factors, Religious Factors, Historical and Cultural Factors, Economic Factors. Transportation, Accommodation.

UNIT - III

Classification and. Classification on the basis of – Nationality Time of travel, Number of tourist, Purpose. Mode of transportation. Season, Nature of tourism.

UNIT - IV

Recent Concepts of Tourism. Agro-tourism. Eco-tourism. Heritage tourism. Adventure Tourism.

UNIT - V

Impact of Tourism On - Economy, Socio-cultural aspects, Environment. Sustainable Development of Tourism.

REFERENCE BOOKS:

1. Bhatia A.K.: International Tourism
2. Bhatia A.K.: Tourism Development
3. Dev Manoj : India – A Tourist Paradise
4. Dhar Pramnath: Development of Tourism and Travel Industry
5. Gupta V.N.: Tourism in India
6. Negi Jagmohan: Tourism Development and Resource Conservation.

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
THIRD YEAR B.A. / B.Sc. SEMESTER – V
MODEL QUESTION PAPER – 2022 - 2023
PAPER – 6C (Elective): TOURISM GEOGRAPHY
(Effect from 2020 - 2021 Admitted Batch)

Time: 2:30 Hours

Max Marks: 50 M

PART – A

Answer any THREE of the following Questions

3 X 10 = 30 M

కొరెండొ వానొలొ ఏవైనా మూడొంట్రికొ వొయొసరూప సమూధానములు వొరొయుము

1. Define Tourism, and Write a detailed account of nature and scope of Tourism Geography?

పరొయొటకమును నొరొవచొంచొ, మరొయు దొనొ సొవభొవం మరొయు పరొధొ గురొంచొ
వొవరముగొ వొరొయుము?

2. Write a detailed account of Factors affecting on Tourism development?

పరొయొటకరంగం అభొవృద్ధొదొలొ పొరభొవొతం చొసొ కొరణంశములను గురొంచొ వొవరముగొ
వొరొయుము?

3. Write a Geographical Essay on Classification and Recent Concepts of Tourism?

పరొయొటకరంగంలొ వరొగొకరణ గురొంచొ భొగొళొక వొయొసము వొరొయుము?

4. Write a Geographical Essay on Recent Concepts of Tourism?

పరొయొటక రంగంలొ నూతన పొకడలను గురొంచొ భొగొళొక వొయొసము?

5. Describe the detailed account of Impact of Tourism on Economy?

ఆరొధొక అభొవృద్ధొదొలొ పరొయొటక రంగం పొరభొవం గురొంచొ వొవరముగొ చరొచొంపుము?

6. Write a Geographical Essay on Sustainable Development of Tourism?

పరొయొటక రంగం యొకొక సుసొధొర అభొవృద్ధొదొ గురొంచొ భొగొళొక వొయొసము
వొరొయుము?

PART - B

Write short notes on any THREE of the following

3 X 5 = 15 M

ఈక్రొందో వానోలొ ఏవైనా మూడొంటొకొ సమాధానములు వ్రాయుము

7. Importance of Tourism - పర్యటకం పరధానయత
8. Climate role in Tourism - పర్యటకంలొ శీతోష్ణణసథితో పాతర
9. Historical Factors on Tourism - పర్యటకంలొ చారిత్రక కారణాలు
10. Transportation impact on Tourism - పర్యటకం పై రవాణా పరభావం
11. Heritage Tourism - వారసత్వ సంపద పర్యటకం
12. Adventure Tourism - సాహస పర్యటకం

PART - C

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

5 X 1 = 05 M

ఈక్రొందో యాతర సథలాలను అంశములను మకొవబడిన పరపంచ పటమునందు

గురొత్తొంచుము?

- a) Eiffel Tower - ఈఫొలొ టవర్
- b) Statue of Liberty - సొవొచొనా సొతూపం
- c) Machu Picchu - మొచు పొచు
- d) Taj Mahal - తొజమహలొ
- e) Pyramids of Giza - గొజొ పొరమొడొలు

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(Effect from 2020 - 2021 Admitted Batch)

UNIT - I

Natural Resources: Concept and classification. Approaches to Resource Utilization: Utilitarian, Conservational, Community based adaptive. Significance of Resources: Backbone of Economic growth and development.

UNIT – II

Pressure on resources. Appraisal and Conservation of Natural Resources. Problems of resource depletion - global scenario - Forest Resources, Water Resources, Coal and Petroleum Resources. Sustainable Resource Development.

UNIT - III

Distribution, Utilization, Problems and Management of Metallic Mineral Resources: Iron ore, Bauxite, Copper, Lead and Zinc.

UNIT - IV

Distribution, Utilization, Problems and Management of Non-Metallic Mineral Resources: Limestone, Mica, Gypsum, Barite, Asbestos.

UNIT - V

Distribution, Utilization, Problems and Management of Energy Resources: Conventional and Non-Conventional - Contemporary Energy Crisis and Future Scenario. Limits to Growth and Sustainable Use of Resources; Concept of Resource sharing.

REFERENCE BOOKS:

1. Chiras, D.D., Reganold, J.P. 2009. Natural Resource Conservation: Management for a Sustainable Future, 10th ed, Pearson.
2. Cutter, S.N., Renwick, H.L., Renwick, W. 1991. Exploitation, Conservation, and Preservation: A Geographical Perspective on Natural Resources Use, John Wiley and Sons.
3. Gadgil, M., Guha, R. 2005. The Use and Abuse of Nature: Incorporating This Fissured Land: An Ecological History of India and Ecology and Equity, Oxford University Press.
4. Gregory, D., Johnston, R., Pratt, G., Watts., Whatmore, S. (Eds) 2009. The Dictionary of Human Geography, 5th ed, Wiley.
5. Holechek, J.L.C., Richard, A., Fisher, J.T., Valdez, R. 2003. Natural Resources: Ecology, Economics and Policy, Prentice-Hall.
6. Jones, G., Hollier, G. 1997. Resources, Society and Environmental Management, Paul Chapman.

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
THIRD YEAR B.A. / B.Sc. SEMESTER – V
MODEL QUESTION PAPER – 2022 - 2023
PAPER – 7C (Elective): RESOURCE GEOGRAPHY
(Effect from 2020 - 2021 Admitted Batch)

Time: 2:30 Hours

Max Marks: 50 M

PART – A

Answer any THREE of the following Questions

3 X 10 = 30 M

కరోంధో వానోలొ ఏవ్నైనా మూడొంటొకొ వ్నోయాసరూప సమాధానములు వ్నోరాయుము

1. Define Natural Resources, and Write an account of Concept and classification of Natural Resources?
సహజ వనరులను నోర్వోవచొంచొ, మరొయు వనరుల భావనలు మరొయు వర్వోగోకరణ గురొంచొ వ్నోరాయుము?
2. Describe the detailed account of Resources are Backbone of Economic growth and Development?
ప్వోరపంచము నందలొ వరో ఉత్వోపత్వోత్వొ, వోస్వోతరణ గురొంచొ భౌగోళొక వ్నోయాసము వ్నోరాయుము? S
3. Write a Geographical Essay on Conservation of Natural Resources?
ప్వోరపంచము నందలొ జంతుసంపద వోస్వోతరణ మరొయు వాటొ ఉత్వోపత్వోతుల గురొంచొ భౌగోళొక వ్నోయాసము వ్నోరాయుము?
4. Write a Geographical Essay on Distribution and Utilization of Iron and Steel?
ప్వోరపంచము నందలొ ప్వోరధాన మత్వోయ సంపద సంగ్వోరహణ ప్వోరాంతాలను గురొంచొ భౌగోళొక వ్నోయాసము?
5. Describe the detailed account of Distribution and Utilization of Limestone?
వొబ్బొర్వో యొక్కొక పొరోశ్వోరామొక స్వోధల నోర్వోణయ సోద్వోధాంతమును గురొంచొ వోవరముగొ చర్వోచొంపుము?
6. Describe the Distribution, Utilization, Problems and Management of Energy Resources?
ప్వోరపంచము నందలొ నూలు వస్వోత్వోర పరోశ్వోరమ యొక్కొక ఉనొకొ మరొయు వోస్వోతరణ గూర్వోచొ వోవరొంపుము?

PART - B

Write short notes on any THREE of the following

3 X 5 = 15 M

ఈ క్రింది వానలలో ఏవైనా మూడంటికి సమాధానములు వ్రాయుము

7. Renewable resources - పునః సృష్టపక వనరులు
8. Sustainable Resource Development - వనరుల అభివృద్ధిలో సుస్థిరత
9. Resource depletion - వనరుల క్షీణత
10. Bauxite - బాక్సైట్
11. Mica - అభ్రకం
12. Concept of Resource sharing - వనరుల భాగస్వామ్య భావన

PART - C

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

5 X 1 = 05 M

అన్ని ప్రశ్నలకు రెండు వాక్యాలకు మించకుండా సమాధానములు వ్రాయుము

13. Petroleum - పౌటోరొలియం
14. Deforestation - అడమల నాశనం
15. Copper - రాగి
16. Asbestos - అసబోస్టాస్
17. Sustainable Use of Resources - వనరుల వినయగంలలో సుస్థిరత
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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
THIRDYEAR - B.A. / B.Sc. SEMESTER – V
PRACTICAL SYLLABUS – 2022 - 2023
PRACTICAL PAPER – 6: THEMATIC MAPS – TOPOGRAPHICAL MAPS
(Effect from 2020 - 2021 Admitted Batch)

Thematic Maps

Class intervals

Choropleth

Isopleth – Schematic

Choro Schematic

Dot Maps

Topographical Maps

Conventional signs and Map interpretation

REFERENCES BOOKS:

1. F.J and Wilkinson, H. R (1968) Maps and Diagrams – Methuen - London
2. Robinson – A.H. Etal (1965) Elements of cartography John Wiley, New York.
3. Singh R. L and Dutt. P. K (1968) Elements of Practical Geography, student Friends - Allahabad.

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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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
THIRD YEAR - B.A. / B.Sc. SEMESTER – V
PRACTICAL MODEL QUESTION PAPER – 2022 - 2023
PRACTICAL PAPER – 6: THEMATIC MAPS – TOPOGRAPHICAL MAPS
(Effect from 2020 - 2021 Admitted Batch)

Time: 3:00 Hours

Max Marks: 50 M

ANSWER ALL THE QUESTIONS

1. Prepare a Choropleth Map by using the following Data 10 M
ఇచ్చిన దత్తాంశమును ఉపయోగించి వర్ణాభాసిత రమును తయారుచేయుము?
2. Prepare a Isopleth Map by using the following Data 10 M
ఇచ్చిన దత్తాంశమును ఉపయోగించి వర్షతరణ మానచిత్రమును తయారుచేయుము?
3. Topographical maps – Conventional signs – OR – Map Interpretation 15 M
4. Viva voce 5 M
5. Record 10 M

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
THIRD YEAR B.A. / B.Sc. SEMESTER - V
PRACTICAL SYLLABUS – 2022 - 2023
PRACTICAL PAPER - 7: MAP PROJECTIONS
(Effect from 2020 - 2021 Admitted Batch)

1. 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 equal - distant projection.
6. Polar zenithal equal area projection or Lambert's equal area projection.
7. Simple cylindrical projection.
8. Cylindrical equal area projection.

REFERENCES BOOKS:

1. F.J and Wilkinson, H. R (1968) Maps and Diagrams – Methuen - London
2. Robinson – A.H. Etal (1965) Elements of cartography John Wiley, New York.
3. Singh R. L and Dutt. P. K (1968) Elements of Practical Geography, student Friends - Allahabad.

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1. Mishra R.P. and Ramesh A. 1999. Fundamentals of Cartography, Concept Publishing Company, New Delhi.
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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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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
THIRD YEAR B.A. / B.Sc. SEMESTER - V
PRACTICAL MODEL QUESTION PAPER – 2022 - 2023
PRACTICAL PAPER - 7: MAP PROJECTIONS
(Effect from 2020 - 2021 Admitted Batch)

Time: 3:00 Hrs.

Max Marks: 50 M

Answer all the following Questions

1. Construct a Simple conical projection (single standard parallel) with the given scale, Latitudes and longitudes? And write the construction procedure, projection elements and uses? 17 M

2. Construct a Polar zenithal equal area projection or Lambert's equal area projection, with the given scale, Latitudes and longitudes? And write the construction procedure, projection elements and uses? 18 M

3. Viva voce 5 M

4. Record 10 M

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