

GOVERCOLLEGE(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) Rajahmundry
The First Government College in India accredited with

3.38 CGPA in RAF 2017



DEPARTMENT OF GEOGRAPHY BOARD OF STUDIES 2023-2024

**Introducing B.SC Geography with single major
subject (Effect from 2023 - 2024 Admitted Batch)**

(Modular and Choice based credit system)

(Teaching system of PEDAGOGY)

ESTD. 1958

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. Introducing Geography single major subject in B.SC and Introducing minor subject in B.A, B.COM, and B.SC also effect from 2023 - 2024 Admitted Batch. We admit B.SC (Geography) programme 60students from the 2023 - 2024 Admitted Batch.

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GOVERNMENT COLLEGE (AUTONOMOUS),RAJAMAHENDRAVARAM

DEPARTMENT OF GEOGRAPHY
Syllabus upgradation meeting

Consolidated Report of Board of Studies for the Year 2023 - 2024

The board of studies of **Geography** Department was convened on--/---/2023at
----- Under the chairmanship of **Sri. P Balaiah** the following member was 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 / VI semesters.
3. Model question papers of all subjects I, II, III, IV, V / VI semesters
4. List of revised examiners (if any)
5. Any other new proposal

Date

Chairman
Board of studies
Department of Geography

Agenda 2: Curriculum Design for III, IV, V/VI Semesters of B.Sc. and B.A existing programs with Geography combination.

Discussion: The members present discussed about the presented the curriculum structure of B.Sc (GGCS) and B.A (GHP) programme and also presented the list of existed courses for the III, IV, V/VI Semesters of B.Sc. and B.A existing programs of current academic year 2023-2024, and sought their opinion on the same.

Resolution 2: It is resolved to revise the existed courses for the III, IV, V/VI Semesters of B.Sc. and B.A existing programs of current academic year 2023-2024.

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
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 3: Curriculum Design for II Semester for B.A, B.COM, and B.SC. Geography (with minor subject)

Discussion: In the beginning, The BoS Chairperson Sri. P. Balaiah, presented the curriculum structure of minor subject of Geography for II Semester for B.A, B.COM, and B.SC. (with minor subject) and also presented the list of new courses, and Geography as minor subject was introduced in the current academic year 2023-2024, and sought their opinion on the same.

Resolution 3: It is resolved to Minor Subject Geography Courses structure for the programs for II Semesters for B.A, B.COM, and B.SC. (with minor subject).

S No	Semester	Course Code	Course type	Title of the Course	CIA	SEE	Hours/week			
							L	T	P	C
	I									
	I									
1	II	126103	Minor 1	Physical Geography -I (Geomorphology)	50	50	3	0	0	3
2	II	126103 P	Practical	Maps and Scales - Lab	0	50	0	0	2	1

Agenda 4: 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 4: All the Course Outcomes are approved as framed in the BoS, as per the APSHE frame work.

Agenda 5: 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 5: It is resolved to approve the inclusion of components of Skill Development, Employability and Entrepreneurship in the curriculum.

Agenda 6: 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 6: It is resolved to approve the Additional inputs added to the curriculum.

Agenda 7: 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 7: 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 8: 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 8: 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 2023- 2024

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	20	All
2.	K.V.Ramana	K.G.R.L. College(A), Bhimavaram	17	All
3.	K. Somayya	D. N. R. College(A) Bhimavaram	13	All
4.	B.N.S.V. Prasad	Sri. Y. N. College(A) Narsapuram	13	All
6.	Ch. Krishna Rao	Dr. C. S. N. College Bhimavaram	15	All
7.	J. Gangabhavani	D. N. R. College(A) Bhimavaram	08	All
8.	K. Yuvapriya	D. N. R. College(A) Bhimavaram	08	All

University Nominee

Local Nominee

Chairman Board of Studies

Department of Geography

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
FIRSTYEAR B.A. /B.Sc. GEOGRAPHY SEMESTER – I
SYLLABUS FOR SINGLE MAJOR – 2023-2024
MAJOR PAPER – 1 : ESSENTIALS AND APPLICATIONS OF GEOGRAPHICAL,
MATHEMATICAL, PHYSICAL, CHEMICAL AND COMPUTER SCIENCES
(Effect from 2023-2024 Admitted)

UNIT – I ESSENTIALS OF GEOGRAPHY

Geography – Interaction with Other sciences. Essentials and applications of Geography in various fields, Earth surface, Climate and Agriculture - Environment and Natural resources – Urban Planning and Settlements – Cartography, Remote sensing and Geographical information system.

UNIT - II ESSENTIALS OF MATHEMATICS

Complex Numbers: Introduction of the new symbol i – General form of a complex number – Modulus – Amplitude for mand conversions

Trigonometric Ratios: Trigonometric Ratios and their relations – Problems on calculation of angles **Vectors:** Definition of vector addition – Cartesian form – Scalar and vector product and problems **Statistical Measures:** Mean, Median, Mode of a data and problems

UNIT – III ESSENTIALS OF PHYSICS

Definition and Scope of Physics- Measurements and Units - Motion of objects: Newtonian Mechanics and relativistic mechanics perspective- Laws of Thermodynamics and Significance- Acoustic waves and electromagnetic waves- Electric and Magnetic fields and their interactions- Behavior of atomic and nuclear particles- Wave-particle duality, the uncertainty principle- Theories and understanding of universe

UNIT – IV ESSENTIALS OF CHEMISTRY

Definition and Scope of Chemistry- Importance of Chemistry in daily life - Branches of chemistry and significance- Periodic Table- Electronic Configuration, chemical changes, classification of matter, Biomolecules- carbohydrates, proteins, fats and vitamins.

UNIT – V ESSENTIALS OF COMPUTER SCIENCE

Milestones of computer evolution - Internet, history, Internet Service Providers, Types of Networks, IP, Domain Name Services, applications.

Ethical and social implications: Network and security concepts- Information Assurance Fundamentals, Cryptography- Symmetric and Asymmetric, Malware, Firewalls, Fraud Techniques- Privacy and Data Protection

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Recommended books:

1. Functions of one complex variable by John. B. Conway, Springer-Verlag.
2. Elementary Trigonometry by H. S. Hall and S. R. Knight
3. Vector Algebra by A. R. Vasishtha, Krishna Prakashan Media (P) Ltd.
4. Fundamentals of Physics by David Halliday, Robert Resnick, and Jearl Walker
5. "Physics for Technology and Engineering" by John Bird
6. Chemistry in daily life by Kirpal Singh
7. Chemistry of bio molecules by S. P. Bhutan
8. Fundamentals of Computers by V. Raja Raman
9. Cyber Security Essentials by James Graham, Richard Howard, Ryan Olson

Major 1: Essentials and Applications of Geographical, Mathematical, Physical, Chemical and Computer sciences (126101)

Objectives: The objective of this course is to provide students with a comprehensive understanding of the essential concepts and applications of mathematical, physical, and chemical sciences. The course aims to develop students' critical thinking, problem-solving, and analytical skills in these areas, enabling them to apply scientific principles to real-world situations.

Outcomes: 1. Apply critical thinking skills to solve complex problems involving complex numbers, trigonometric ratios, vectors, and statistical measures. 2. To Explain the basic principles and concepts underlying a broad range of fundamental areas of physics and to Connect their knowledge of physics to everyday situations. 3. To Explain the basic principles and concepts underlying a broad range of fundamental areas of chemistry and to Connect their knowledge of chemistry to daily life. 4. Understand the interplay and connections between mathematics, physics, and chemistry in various applications. Recognize how mathematical models and physical and chemical principles can be used to explain and predict phenomena in different contexts. 5. To explore the history and evolution of the Internet and to gain an understanding of network security concepts, including threats, vulnerabilities, and countermeasures.

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GOVERNMENT COLLEGE (AUTONOMOUS) RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
FIRSTYEAR B.A. /B.Sc. GEOGRAPHY SEMESTER – I
MODEL QUESTION PAPER FOR SINGLE MAJOR – 2023 - 2024
MAJOR PAPER – 1 :ESSENTIALS AND APPLICATIONS OF GEOGRAPHICAL,
MATHEMATICAL, PHYSICAL, CHEMICAL AND COMPUTER SCIENCES
(Effect from 2023-2024 Admitted batch)

Time: 2:30 Hours

Max Marks: 50M

PART – A

Answer any THREE of the following Questions

3 X 10 = 30 M

క్రింది వానిలో ఏవైనా మూడింటికి వ్యాసరూప సమాధానములు వ్రాయుము

PART – B

Write short notes on any THREE of the following
ఈక్రింది వానిలో ఏవైనా మూడింటికి సమాధానములు వ్రాయుము

3 X 5 = 15M

PART – C

Answer all the questions not exceeding two (2) lines.
అన్ని ప్రశ్నలకు రెండు వాక్యాలకు మించకుండా సమాధానములు వ్రాయుము

5 X 1 = 05 M

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
FIRSTYEAR B.A. /B.Sc. GEOGRAPHY SEMESTER – I
SYLLABUS FOR SINGLE MAJOR – 2023-2024
MAJOR PAPER – 2 : INTRODUCTION TO GEOGRAPHY
(Effect from 2023-2024 Admitted)

UNIT - I

1. Geography - Definition - Nature – Scope – Branches
2. Interior of the Earth
3. Major Types of Rocks – Characteristics.

UNIT - II

1. Major Land forms - Mountains, Plateaus, and Plains.
2. Geographic Process – Weathering.
3. Geographic Process – Erosion – Cycle of Erosion - Agents

UNIT – III

1. Weather – Climate – Atmosphere. Composition of Atmosphere
2. Insulation - Temperature Distribution – Atmospheric Pressure – Types of Winds
3. The Oceans Distribution – Relief.

UNIT – IV

1. Man – Environment, Natural Resources
2. World Agricultural patterns – Rice (Paddy) – Wheat – Tea – Coffee.
3. World major Minerals – Iron Ore – Coal.

UNIT – V

1. India – Major Physical divisions – Climate – Rivers.
2. India – Natural vegetation – Soils.
3. India - Industries - Iron and Steel – Cotton Textiles.

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Recommended books:

1. "Geography: Realms, Regions, and Concepts" by Harm J. de Blij and Peter O. Muller
2. "The Geography Book: Activities for Exploring, Mapping, and Enjoying Your World" by Caroline Arnold
3. "How to Lie with Maps" by Mark Monmonier
4. "The Penguin State of the World Atlas" by Dan Smith
5. Alexander, John.: Economic Geography, Prentice Hall of India Ltd., New Delhi, 1988.
6. Bergwan, Edward E: Human Geography: Culture Connections and Landscape, Prentice-Hall, New Jersey, 1985.
7. Majid Hussain – 1999, Human Geography Rawat – Jaipur.

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.

Major 2: Introduction to Geography (126102)

Objectives: 1. Students will understand the Earth, Rocks, and Landforms in Geomorphology. 2. Students will understand the fundamental concepts of Human and Economic activities, and other environmental studies. 3. Students will understand Regional Geography like various regions and its elements. 4. Students will understand the Weathering and Erosion process. 5. Students will be able to read and interpret information on remote sensing and Geographical information.

Outcomes: This syllabus is designed to impart basic knowledge on geography as a spatial science and train the undergraduates to secure employment in the sectors of geospatial analysis, development and planning, mapping, and surveying. Understand the theories and fundamental concepts of Geo tectonic and Geomorphology. Understand earth's tectonic and structural evolution. Gain knowledge about earth's interior. Develop an idea about concept of plate tectonics, and resultant landforms.

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GOVERNMENT COLLEGE (AUTONOMOUS) RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
FIRSTYEAR B.A. /B.Sc. GEOGRAPHY SEMESTER – I
MODEL QUESTION PAPER FOR SINGLE MAJOR – 2023 - 2024
MAJOR PAPER – 2 : INTRODUCTION TO GEOGRAPHY
(Effect from 2023-2024 Admitted batch)

Time: 2:30 Hours

Max Marks: 50M

PART – A

Answer any THREE of the following Questions

3 X 10 = 30 M

క్రింది వానిలో ఏవైనా మూడింటికి వ్యాసరూప సమాధానములు వ్రాయుము

1. What is Geography, and write about Nature and Scope, and branches of Geography?

భూగోళ శాస్త్రము అనగానేమి? మరియు దాని స్వభావము, పరిధి, మరియు భూగోళ శాస్త్ర అనేక శాఖలను గూర్చి వ్రాయుము?

2. Write a Geographical essay on Major Land forms?

ప్రధాన భూస్వరూపములను గురించి భౌగోళిక వ్యాసము వ్రాయుము?

3. Define Insulation and Temperature, and Explain the Horizontal and vertical distribution of Temperature?

సూర్యపుటము మరియు ఉష్ణోగ్రతలను నిర్వచించి మరియు ? ఉష్ణోగ్రత యొక్క క్షితిజ సమాంతర విస్తరణ మరియు ఉర్ధ్వ ఉష్ణోగ్రత విస్తరణ గురించి వివరింపుము?

4. Explain the Major Agricultural Patterns of the World? and rite about the Tea and Coffee Cultivation?

ప్రపంచ ప్రధాన వ్యవసాయ పద్ధతులను వివరింపుము? మరియు తేయాకు మరియు కాఫీ సాగుబడిని గూర్చి వ్రాయుము?

5. Explain the Major Physical divisions of India?

భారత దేశము యొక్క ప్రధాన భౌతిక విభాగములను గురించి వివరింపుము?

6. Describe the various Rivers in India?

భారత దేశము నందు వివిధ నదులను గురించి వివరింపుము?

PART – B

Write short notes on any THREE of the following
ఈక్రింది వానిలో ఏవైనా మూడింటికి సమాధానములు వ్రాయుము

3 X 5 = 15M

7. Major Types of Rocks- శిలలు ప్రధాన రకాలు
8. Physical Weathering- భౌతిక శిలాశైధిల్యము
9. Composition of Atmosphere- వాతావరణ సంఘటనం
10. Forms of Precipitation- అవపాతము రూపములు
11. Coal. - బొగ్గు
12. India – Cotton Textile Industry- ఇండియాలో నూలు వస్త్ర పరిశ్రమ

PART – C

Answer all the questions not exceeding two (2) lines.
అన్ని ప్రశ్నలకు రెండు వాక్యాలకు మించకుండా సమాధానములు వ్రాయుము

5 X 1 = 05 M

13. Geomorphology - భూస్వరూప శాస్త్రం
14. Nife - నిఫ్
15. Monsoons - ఋతుపవనాలు
16. Continental shelf - ఖండతీరపు అంచు
17. River Tapi - తపతి నది

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
FIRSTYEAR B.A. /B.Sc. GEOGRAPHY SEMESTER – II
SYLLABUS FOR SINGLE MAJOR – 2023-2024
MAJOR PAPER –3: PHYSICAL GEOGRAPHY – I
(GEOMORPHOLOGY)
(Effect from 2023-2024 Admitted)

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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Suggested Readings: 1. Bloom A. L., 2003: Geomorphology: A Systematic Analysis of Late Cenozoic Landforms, Prentice-Hall of India, New Delhi. 4. Kale V. S. and Gupta A., 2001: Introduction to Geomorphology, Orient Longman, Hyderabad. 7. Selby, M.J., (2005), Earth’s Changing Surface, Indian Edition, OUP 8. Skinner, Brian J. and Stephen C. Porter (2000), The Dynamic Earth: An Introduction to physical Geology, 4th Edition, John Wiley and Sons 9. Thornbury W. D., 1968: Principles of Geomorphology, Wiley. 10. Gautam, A (2010): Bhautik Bhugol, Rastogi Publications, Meerut 11. Tikka, R N (1989): Bhautik Bhugol ka Swaroop, Kedarnath Ram Nath, Meerut 12. Singh, S (2009): Bhautik Bhugol ka Swaroop, Prayag Pustak, Allahabad

Major 3: Physical Geography I (Geomorphology) (126103)

Objectives: 1. Students will understand the Interior of the Earth, and its theories of Isostasy, Continental Drift, and Plate Tectonic etc. 2. Students will understand the fundamental concepts of Major landforms on the Earth 3. Students will understand the Earthquakes, Volcanoes and Rocks. 4. Students will understand the Weathering and Erosion process. 5. Students will be able to read and interpret information on different types of Land forms by the Erosional Agents.

Outcomes: 1. To know the knowledge of Interior of the earth and their theories of Isostasy, Continental drift, Plate Tectonic, and acquire the knowledge of Major land forms 2. To know the knowledge of Earth quakes and Volcanoes. 3. To acquire the knowledge of Rocks classification, Weathering, and Erosion. 4. To acquire the knowledge of Land forms by rivers, wind, and Wave Action. 5. To acquire the knowledge of Land forms by Karsts and Glaciers.

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GOVERNMENT COLLEGE (AUTONOMOUS) RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
FIRSTYEAR B.A. /B.Sc. GEOGRAPHY SEMESTER – II
MODEL QUESTION PAPER FOR SINGLE MAJOR – 2023 - 2024
MAJOR PAPER – 3: PHYSICAL GEOGRAPHY – I
(GEOMORPHOLOGY)
(Effect from 2023-2024 Admitted batch)

Time: 2:30 Hours

Max Marks: 50M

PART – A

Answer any THREE of the following Questions

3 X 10 = 30 M

క్రింది వానిలో ఏదైనా మూడింటికి వ్యాసరూప సమాధానములు వ్రాయుము

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

భూ అంతర్పూర్ణం మరియు సంఘటనం గూర్చి భౌగోళిక వ్యాసము 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?

వెజినర్ ఖండచలన సిద్ధాంతమును సమర్థించు ఆధారములతో వివరింపుము?

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

శిలా శైధిల్యం అనగా నేమి, అవి ఏవి? మరియు ఏదైనా ఒక శిలా శైధిల్యము గురించి వివరింపుము?

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

పవనము యొక్క క్రమ క్షయ మరియు నిక్షేపణల స్వరూపాలను గురించి వివరింపుము?

PART – B

Write short notes on any THREE of the following

3 X 5 = 15 M

ఈక్రింది వానిలో ఏవైనా మూడింటికి సమాధానములు వ్రాయుము

- | | |
|------------------------------------|-------------------------------|
| 7. Erosional Agents | - క్రమక్షయ ఏజంట్లు |
| 8. Importance of River's landforms | - నదీ భూస్వరూపములు ప్రాధాన్యత |
| 9. Stalactite - Stalagmite | - స్టాలక్ టైట్ - స్టాలగ్ మైట్ |
| 10. Depositional plains | - నిక్షేపణా మైదానాలు |
| 11. Plate Tectonic theory | - పలక విరూప కారక 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 | - అవక్షేప శిలలు |
| 14. Pangaea | - ఫేంజియా |
| 15. Delta | - డెల్టా |
| 16. Sinkholes | - సింక్ హోల్స్ |
| 17. Batholith | - బాతోలిత్ |

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
FIRSTYEAR B.A. /B.Sc. GEOGRAPHY SEMESTER – II
PRACTICAL SYLLABUS FOR SINGLE MAJOR – 2023-2024
MAJOR PRACTICAL PAPER: MAPS AND SCALES
(Effect from 2023-2024 Admitted)

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

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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Maps and Scales (Practical) (126103 P)

Objectives: 1. Students will understand the Maps and its types. 2. Students will understand the fundamental concepts Map making. 3. Students will understand the Map scales and types. 4. Students will be able to learn the Conversion of Map scales. 5. Students will be able to learn the various advantages of maps.

Outcomes: 1. To know the knowledge of the Maps and its types. 2. To know the knowledge of Maps and its uses and classification. 3. To acquire the knowledge of Map scales and types. 4. To acquire the knowledge of Conversion of Map scales. 5. To acquire the knowledge of various advantages of maps.

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GOVERNMENT COLLEGE (AUTONOMOUS) RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
FIRSTYEAR B.A. /B.Sc. GEOGRAPHY SEMESTER – II
MODEL PRACTICAL QUESTION PAPER FOR SINGLE MAJOR – 2023 - 2024
MAJOR PRACTICAL PAPER: MAPS AND SCALES
(Effect from 2023-2024 Admitted batch)

Time: 2:30 Hrs. Max. Marks: 50 M

ANSWER ALL THE QUESTIONS

ఈ క్రింది ప్రశ్నలు అన్నింటికీ 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. Construct a Diagonal scale with the given scale, and write the Construction processor? 15 M

మీకు ఇవ్వబడిన స్కేలు ఆధారముగా ఐ మూల స్కేలును గీచి, నిర్మాణక్రమము వ్రాయుము?

3. Write about the uses of the maps in briefly? 5 M

4. Viva voce 5 M

5. Record 10 M

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
FIRSTYEAR B.A. /B.Sc. GEOGRAPHY SEMESTER – II
SYLLABUS FOR SINGLE MAJOR – 2023-2024
MAJOR PAPER –4: HUMAN GEOGRAPHY
(Effect from 2023-2024 Admitted)

UNIT - I

1. Nature scope and Historical development of Human Geography. Human Economic activities
2. Man and environment

UNIT - II

1. Major Human races in the world
2. Major Human tribal races in the world (i) Eskimo (ii) Bushman (iii) Gond (iv) Gujjars.

UNIT – III

1. Meaning, nature, and components of resources; Classification of resources – Renewable and non- renewable; biotic and abiotic, recyclable, and non recyclable.
2. Air and water pollution.

UNIT – IV

1. Distribution and density of world population, population growth, fertility and mortality patterns.
2. Population pressure, environment degradation and sustainable Development

UNIT – V

1. Human settlements: classification and types. Urban settlements: Origin, Classification - Urbanization
2. Forest and types, concept of deforestation.

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Suggested Readings: -

1. Agarwal, Aetal: The Citizen's Fifth Citizen's Report, Centre for Science & Environment, New Delhi, 1999.
2. Alexander, John.: 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. Chandna, R.C: A Geography of Populatioe: Concepts, Determinants and Patterns, Kalyani Publishers, New Delhi, 1986.

Human Geography (126104)

Objectives: 1. Students will understand the Human Economic Activities, and its types, And Man and Environment. 2. Students will understand the, Human population and growth, Human settlements, and its types. 3. Students will understand Resources and classification. 4. Students will be able to understand Human races and tribes in the world. 5. Students will be able to learn Forest types and deforestation.

Outcomes: 1. To knows the knowledge of the Human Economic Activities, and its types, And Man and Environment. 2. To know the knowledge of Human population and growth, Human settlements, and its types. 3. To acquire the knowledge of Resources and classification. 4. To acquire the knowledge of Human races and tribes in the world. 5. To acquire the knowledge of Forest types and deforestation.

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GOVERNMENT COLLEGE (AUTONOMOUS) RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
FIRSTYEAR B.A. /B.Sc. GEOGRAPHY SEMESTER – II
MODEL QUESTION PAPER FOR SINGLE MAJOR – 2023 - 2024
MAJOR PAPER – 4: HUMAN GEOGRAPHY
(Effect from 2023-2024 Admittedbatch)

Time: 2:30 Hours

Max Marks: 50M

PART – A

Answer any THREE of the following Questions

3 X 10 = 30 M

క్రిందివానిలో ఏవైనా మూడింటికి వ్యాసరూపసమాధానములు వ్రాయుము

1. Describe the Nature and objectives of Human Geography and write about various Human economic activities?

మానవ భూగోళ శాస్త్రం యొక్క స్వభావము మరియు లక్షణములను తెలిపి, మరియు వివిధ మానవ ఆర్థిక వృత్తులను గూర్చి వివరముగా వ్రాయుము?

2. Classify the Major Human races in the world and write the detailed account of the origin and distribution?

ప్రపంచ ప్రధాన మానవ జాతులను వర్గీకరించి, వాటి పుట్టుక మరియు విస్తరణ గూర్చి వివరముగా వ్రాయుము?

3. Describe the relationship between Man and Environment?

మానవుడు మరియు పరిసరముల మధ్య సంబంధమును గూర్చి క్లుప్తముగా వివరింపుము?

4. Classify the Resources and explain the need for the conservation of Resources?

వనరులను వర్గీకరించి, మరియు వాటి ఆవశ్యకత, పరిరక్షణ గురించి వివరింపుము?

5. Describe the influence of Population Pressure on Environment degradation and Sustainable Development?

పరిసరాలు మరియు సుస్థిర అభివృద్ధిల పై జనాభా పరుగుదల ప్రభావం గురించి వివరింపుము?

6. Write a Geographical essay on Urbanization in the world?

ప్రపంచ నగరీకరణ గురించి ఒక భౌగోళిక వ్యాసము వ్రాయుము ?

PART – B

Write short notes on any THREE of the following 3 X 5 = 15M

ఈక్రింది వానిలో ఏవైనా మూడింటికి సమాధానములు వ్రాయుము

7. Physical environment- భౌతిక పరిసరములు
8. Rural settlement pattern - గ్రామీణ స్థిర నివాసాల నమూనాలు
9. Renewable resources- పునరుత్పత్తి వనరులు
10. Gujjar Tribes- గుజ్జర్ తెగలు
11. Deforestation- అడవుల నిర్మూలన
12. Population Density- జనసాంద్రత

PART – C

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

5 X 1 = 05 M

అన్ని ప్రశ్నలకు రెండు వాక్యాలకు మించకుండా సమాధానములు వ్రాయుము

13. Human Geography- మానవ భూగోళ శాస్త్రం
14. Eskimos-ఎస్కిమోలు
15. Exhaustible resources-తరిగిపోయే వనరులు
16. Evergreen forests - సతత హరిత అరణ్యాలు
17. Air pollution- వాయు కాలుష్యం

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
FIRSTYEAR B.A. /B.Sc. GEOGRAPHY SEMESTER – II
PRACTICAL SYLLABUS FOR SINGLE MAJOR – 2023-2024
MAJOR PRACTICAL PAPER: REPRESENTATION OF STATISTICAL DATA
(Effect from 2023-2024 Admitted)

Collection of Statistical data.

Line Graph 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, Vikas Publication House.

Representation of Statistical data (Practical) (126104 P)

Objectives: 1. Students will understand the Representation of data with various types. 2. Students will understand the Data representation with Graphs, and diagrams. 3. Students will understand the Line graphs, Bar graphs. 4. Students will be able to understand Bar graphs, Compound bar graphs, Wheel diagrams, and Block diagrams. 5. Students will be able to learn to represent with diagrams of Pyramid graph and Squares and Rectangles.

Outcomes: 1. To know the knowledge of the Representation of data with various types of diagrams. 2. To know the knowledge of Data representation with Graphs, and diagrams. 3. To acquire the knowledge of Configuration of Line graphs, bar graphs. 4. To acquire the knowledge of Bar graphs, Compound bar graphs, Wheel diagrams, and Block diagrams. 5. To acquire the knowledge of representation with diagrams, Pyramid graph and Squares and Rectangles.

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GOVERNMENT COLLEGE (AUTONOMOUS) RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
FIRSTYEAR B.A. /B.Sc. GEOGRAPHY SEMESTER – II
MODEL PRACTICAL QUESTION PAPER FOR SINGLE MAJOR – 2023 - 2024
MAJOR PRACTICAL PAPER: REPRESENTATION OF STATISTICAL DATA
(Effect from 2023-2024 Admitted batch)

Time: 2:30 Hrs Max. Marks: 50 M

ANSWER ALL THE QUESTIONS

ఈ క్రింది ప్రశ్నలు అన్నింటికీ 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 05M
6. Record 10 M

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
SECOND YEAR B.A. / B.Sc. SEMESTER - III
SYLLABUS – 2023 - 2024
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- NewDelhi.
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.

Human and Economic Geography (GGY 141)

Objectives: 1. Students will understand the Human Economic Activities, and its types, And Man and Environment. 2. Students will understand the, Human population and growth, Human settlements and its types. 3. Students will understand Resources and classification. 4. Students will be able to understand Minerals and various fuels, Industries. 5. Students will be able to learn Agricultural Types and patterns, major crops, and World Transportation.

Outcomes: 1. To know the knowledge of the Human Economic Activities, and its types, And Man and Environment. 2. To know the knowledge of Human population and growth, Human settlements and its types. 3. To acquire the knowledge of Resources and classification. 4. To acquire the knowledge of Minerals and various fuels, Industries. 5. To acquire the knowledge of Agricultural Types and patterns, major crops, and World Transportation.

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
SECOND YEAR B.A. / B.Sc. SEMESTER – III
MODEL QUESTION PAPER – 2023 - 2024
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

క్రింది వానిలో ఏవైనా మూడింటికి వ్యాసరూప సమాధానములు వ్రాయుము

1. Describe the various Human Economic activities?

వివిధ మానవ ఆర్థిక వృత్తులను గురించి వివరింపుము?

2. Describe the relationship between Man and Environment?

మానవుడు మరియు పరిసరములను గురించి వివరముగా వ్రాయుము?

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

ప్రపంచము నందలి అమలులో ఉన్న వివిధ రకములైన వ్యవసాయ పద్ధతులను గురించి వివరముగా వ్రాయుము?

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

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

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

ప్రపంచము నందలి ఇనుప ధాతు ఉత్పత్తి మరియు విస్తరణ గూర్చి ఒక భౌగోళిక వ్యాసము వ్రాయుము?

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

వెబ్బరు యొక్క పారిశ్రామిక స్థల నిర్ణయ సిద్ధాంతమును గూర్చి విశదీకరింపుము?

PART - B

Write short notes on any THREE of the following

3 X 5 = 15 M

ఈక్రింది వానిలో ఏవైనా మూడింటికి సమాధానములు వ్రాయుము

7. Human, and Economic Geography - మానవఆర్థికభూగోళశాస్త్రం
8. Urbanization in the world- ప్రపంచనగరీకరణ
9. Renewable resources - పునఃస్థాపకవనరులు
10. Aluminum Production in the World - ప్రపంచఅల్యూమినియంఉత్పత్తి
11. International Air Ports in the World- ప్రపంచలోని అంతర్జాతీయ విమానాశ్రయాలు
12. Rural Settlements- గ్రామీణజనపదాలు

PART - C

13. Locate the following on the outline map of the world. 5 X 1 = 05 M

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) Persian Gulf - పర్షియా సింధు శాఖ

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
SECOND YEAR B.A. / B.Sc. SEMESTER – III
PRACTICAL SYLLABUS - 2023 - 2024
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. 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, Viks Publication House.

Approved Representation of Climatic data and Weather maps (Practical) GGY 118(P)

Objectives: 1. Students will understand the Representation of data with various types. 2. Students will understand the Data representation with Graphs, and diagrams. 3. Students will understand the Line graphs, Bar graphs. 4. Students will be able to understand Bar graphs, Compound bar graphs, Wheel diagrams, and Block diagrams. 5. Students will be able to learn to represent with diagrams of Pyramid graph and Squares and Rectangles.

Outcomes: 1. To know the knowledge of the Representation of data with various types of diagrams. 2. To know the knowledge of Data representation with Graphs, and diagrams. 3. To acquire the knowledge of Configuration of Line graphs, bar graphs. 4. To acquire the knowledge of Bar graphs, Compound bar graphs, Wheel diagrams, and Block diagrams. 5. To acquire the knowledge of representation of represent with diagrams of Pyramid graph and Squares and Rectangles.

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
SECOND YEAR B.A. / B.Sc. SEMESTER – III
MODEL PRACTICAL QUESTION PAPER - 2023 - 2024
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 – 2023 - 2024
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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Geography of India (GGY 107)

Objectives: 1. Students will understand the India location structure and Climate. Students will be able to understand soils and natural vegetation in India. 2. Students will understand the, Population and growth in India, Human settlements and Urbanization in India. 3. Students will understand Irrigation system and multipurpose projects in India. 4. Students will be able to understand Minerals and various fuels, Industries in India. 5. Students will be able to learn Transportation Types and patterns, international trade in India.

Outcomes: 1. To know the knowledge of the India location structure and Climate. 2. To know the knowledge of Population and growth in India, Human settlements and Urbanization in India. 3. To acquire the knowledge of Irrigation system and multipurpose projects in India. 4. To acquire the knowledge of Minerals and various fuels, Industries in India. 5. To acquire the knowledge of Transportation Types and patterns, international trade in India.

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
SECOND YEAR B.A. / B.Sc. SEMESTER – IV
MODEL QUESTION PAPER –2023 - 2024
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

క్రింది వానిలో ఏవైనా మూడింటికి వ్యాసరూప సమాధానములు వ్రాయుము

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

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

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

భారతదేశం యందు మృత్తికలను వర్గీకరించి, మరియు వాటి విస్తరణ గూర్చి వివరముగా వ్రాయుము?

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

భారతదేశంలోని జనాభా పెరుగుదల, మరియు విస్తరణను గూర్చి ఒక భౌగోళిక వ్యాసము వ్రాయుము?

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

భారతదేశంలోని ప్రధాన సాగునీటి పద్ధతులను గూర్చి ఒక భౌగోళిక వ్యాసము వ్రాయుము?

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

భారతదేశం యందుబొగ్గు 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 పెరుగుదల మరియు అభివృద్ధి గూర్చి ఒక భౌగోళిక వ్యాసము వ్రాయుము?

PART – B

Write short notes on any THREE of the following

3 X 5 = 15 M

ఈక్రింది వానిలో ఏవైనా మూడింటికి సమాధానములు వ్రాయుము

7. North West Monsoons - నైఋతి 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- భారతదేశంలోనినగరీకరణ

PART – C

13. Locate the following on the outline map of the India. 5X 01= 05 M

ఈక్రిందిఅంశములనుమీకివ్యబడినభారతదేశముపటమునందుగుర్తించుము

- a) Western Ghats - పశ్చిమ కనుమలు
- b) Delhi - ఢిల్లీ
- c) Kolkata - కలకత్తా
- d) Arabian Sea - అరేబియా 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 – 2023 - 2024
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.
2. Bajpal S.R. methods of Social Survey and Research.
3. Gautam, N.C. Development of Research Tools.

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Surveying with Instruments (Practical) GGY 123(P)

Objectives: 1. Students will understand the Traditional Land Surveying with Instruments. 2. Students will understand the Land Surveying and its Importance. 3. Students will understand the various types of Land surveying. 4. Students will be able to understand chain survey, plain table survey, and Prismatic compass. 5. Students will be able to learn to represent with diagrams and areas of surveying lands.

Outcomes: 1. To know the knowledge of the Traditional Land Surveying with Instruments. 2. To know the knowledge of Land Surveying and its Importance. 3. To acquire the knowledge of various types of Land surveying. 4. To acquire the knowledge of chain survey, plain table survey, and Prismatic compass. 5. To acquire the knowledge of represent with diagrams and areas of surveying lands.

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
SECOND YEAR B.A. / B.Sc. SEMESTER – IV
PRACTICAL MODEL QUESTION PAPER – 2023 - 2024
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.

అన్ని ప్రశ్నలకు సమాధానములు వ్రాయుము

1. Survey the given area with the help of given surveying instruments 25 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 – 2023 - 2024

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 Passive 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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Introduction to Remote sensing and Geographical Information System (GGY 144)

Objectives: 1. Students will understand the Basics of Remote sensing, Aerial photography and Components of Remote sensing. 2. Students will understand the Remote sensing energy sources, 3. Students will understand the Remote sensing Sensors, Aerial cameras and Development of Remote sensing in India. 4. Students will be able to understand Fundamentals of GIS, Components GIS, Data classification, Data input. 5. Students will be able to learn Data Analysis of GIS, Data base management system, Integration of Remote sensing, and GIS.

Outcomes: 1. To know the knowledge of the Basics of Remote sensing, Aerial photography and Components of Remote sensing. 2. To know the knowledge of Remote sensing energy sources, interaction of EMR and atmosphere, interaction of EMR and Earth surface materials. 3. To acquire the knowledge of Remote sensing Sensors, Aerial cameras and Development of Remote sensing in India. 4. To acquire the knowledge of Fundamentals of GIS, Components GIS, Data classification, Data input. 5. To acquire the knowledge of Data Analysis of GIS, Data base management system, Integration of Remote sensing, and GIS.

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
SECOND YEAR B.A. / B.Sc. SEMESTER – IV
MODEL QUESTION PAPER – 2023 - 2024
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

క్రింది వానిలో ఏవైనా మూడింటికి వ్యాసరూప సమాధానములు వ్రాయుము

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

సుదూర గ్రాహక ప్రక్రియను నిర్వచించుము? మరియు దాని చరిత్ర మరియు ఉపయోగములను గూర్చి వ్రాయుము?

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

సుదూర గ్రాహక ప్రక్రియ ముఖ్య విభాగాలను గూర్చి వివరముగా వ్రాయుము?

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

సుదూర గ్రాహక ప్రక్రియ యందు వేదికలను వర్గీకరించుము? మరియు వివిధ రకాలైన వేదికలను గూర్చి వివరముగా వ్రాయుము?

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

భౌగోళిక సమాచార వ్యవస్థ (జి. ఐ. ఎస్.) ను నిర్వచించుము?, మరియు భౌగోళిక సమాచార వ్యవస్థ (జి. ఐ. ఎస్.) యొక్క విధులను గూర్చి వ్రాయుము?

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

భౌగోళిక సమాచార వ్యవస్థ (జి. ఐ. ఎస్.) యందు వివిధ రకాలైన దత్తాంశ సేకరణ పద్ధతులను గూర్చి వ్రాయుము?

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

దత్తాంశ మూలయాజమాన్య వ్యవస్థను (DBMS) నిర్వచించుము?, మరియు దాని విభాగాలను, విధులను గూర్చి వ్రాయుము?

PART - B

Write short notes on any THREE of the following

3 X 5 = 15 M

ఈక్రింది వానిలో ఏవైనా మూడింటికి సమాధానములు వ్రాయుము

7. Raster data - రాష్ట్రా దత్తాంశము
8. Satellite Remote sensing - ఉపగ్రహ దూరగ్రాహక ప్రక్రియ
9. Types of Aerials Cameras - గగన కెమెరాలు రకములు
10. Problems of Integration between R.S & G I S - R.S & G I S సమైఖ్యతలో సమస్యలు
11. Indian Satellites brief history- ఇండియాలో కృత్రిమ ఉపగ్రహాల సంక్షిప్త చరిత్ర
12. Digitizing- డిజిటైజింగ్

PART - C

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

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 – 2023 - 2024
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. AnjiReddy . 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.

Introduction to Remote sensing and Geographical Information System (Practical) GGY 112(P)

Objectives: 1. Students will understand the Information of Aerial photographs, and Satellite images. 2. Students will understand the Aerial photo interpretation with Stereographs. 3. Students will understand the Scale measurements in GIS, and data modes. 4. Students will be able to understand the Data input. 5. Students will be able to learn GIS data capabilities (Raster Data and Vector Data).

Outcomes: 1.To knows the knowledge of the Information of Aerial photographs, and Satellite images. 2. To know the knowledge of Aerial photo interpretation with Stereographs. 3. To acquire the knowledge of Scale measurements in GIS, and data modes. 4. To acquire the knowledge of Data input. 5. To acquire the knowledge of GIS data capabilities. (Raster Data and Vector Data).

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
SECOND YEAR B.A. / B.Sc. SEMESTER – IV
PRACTICAL MODEL QUESTION PAPER – 2023 - 2024
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 Aerial 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
THIRDYEAR B.A. / B.Sc. SEMESTER – V
SYLLABUS – 2023 - 2024
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

Economic Geography (GGY 105)

Objectives: 1. Students will understand the Agricultural types and patterns and green revolution, major Crops. 2. Students will understand the, Livestock and Fisheries, Productions, and development. 3. Students will understand the Minerals and Fuels in the World. 4. Students will be able to understand Major Industries and Industrial location theory. 5. Students will be able to learn the Transportation in the World, and International Trade.

Outcomes: 1. To know the knowledge of the Agricultural types and patterns and green revolution, major Crops. 2. To know the knowledge of Livestock and Fisheries, Productions, and development. 3. To acquire the knowledge of Minerals and Fuels in the World. 4. To acquire the knowledge of Major Industries and Industrial location theory. 5. To acquire the knowledge of Transportation in the World, and International Trade.

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
THIRD YEAR B.A. / B.Sc. SEMESTER – V
MODEL QUESTION PAPER – 2023 - 2024
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

క్రింది వానిలో ఏవైనా మూడింటికి వ్యాసరూప సమాధానములు వ్రాయుము

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

ప్రపంచము నందలి అమలులో ఉన్న వివిధ రకములైన వ్యవసాయ పద్ధతులను గురించి వివరముగా వ్రాయుము?

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

ప్రపంచము నందలి వరి ఉత్పత్తి, విస్తరణ గురించి భౌగోళిక వ్యాసము వ్రాయుము?

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

ప్రపంచము నందలి జంతుసంపద విస్తరణ మరియు వాటి ఉత్పత్తుల గురించి భౌగోళిక వ్యాసము వ్రాయుము?

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

ప్రపంచము నందలి ప్రధాన మత్స్య సంపద సంగ్రహణ ప్రాంతాలను గురించి భౌగోళిక వ్యాసము?

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

వెబర్ యొక్క పారిశ్రామిక స్థల నిర్ణయ సిద్ధాంతమును గురించి వివరముగా చర్చించుము?

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

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

PART - B

Write short notes on any THREE of the following

3 X 5 = 15 M

ఈక్రింది వానిలో ఏవైనా మూడింటికి సమాధానములు వ్రాయుము

7. Green revolution- హరిత విప్లవము
8. Petroleum importance- పెట్రోలియం ప్రాధాన్యత
9. Aluminum Production- అల్యూమినియం ఉత్పత్తి
10. Suez Canal- సూయజ్ కాలువ
11. International Trading- అంతర్జాతీయ వ్యాపారం
12. Wheat Production - గోధుమ ఉత్పత్తి

PART - C

13. Locate the following on the outline map of the world. 5X1=05M

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) Persian Gulf- పర్షియా సింధు శాఖ

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
THIRDYEAR B.A. / B.Sc. SEMESTER – V
SYLLABUS – 2023 - 2024

PAPER – 7A (Elective): INDUSTRIAL GEOGRAPHY
(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): AudyogikaBhoogol, 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.

Industrial Geography (GGY 148)

Objectives: 1. Students will understand the Concept of the Industrial Geography. 2. Students will understand the Concepts of Industrialization, Role of Industries in regional development. 3. Students will understand the Industrial locational factors and theories. 4. Students will be able to understand Spatial arrangements of Industries, Industrial regions. 5. Students will be able to learn Industrial development and policies, Problems of Industrialization, Environmental impact on Industrialization.

Outcomes: 1. To know the knowledge of the Basics of Industrial Geography. 2. To know the knowledge of Concepts of Industrialization, Role of Industries in regional development. 3. To acquire the knowledge of Industrial locational factors and theories. 4. To acquire the knowledge of spatial arrangements of Industries, Industrial regions. 5. To acquire the knowledge of Industrial development and policies, Problems of Industrialization, Environmental impact on Industrialization.

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
THIRD YEAR B.A. / B.Sc. SEMESTER – V
MODEL QUESTION PAPER – 2023– 2024
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

క్రింది వానిలో ఏవైనా మూడింటికి వ్యాసరూప సమాధానములు వ్రాయుము

1. Define Industrial Geography, and write about nature and scope of Industrial Geography?

పారిశ్రామిక భూగోళ శాస్త్రమును నిర్వచించి, మరియు దాని స్వభావం, పరిధి గురించి వివరముగా వ్రాయుము?

2. Write a Geographical Essay on Classification of industries?

పరిశ్రమల వర్గీకరణ గురించి ఒక భౌగోళిక వ్యాసము వ్రాయుము?

3. Describe the detailed account of Role of industries in Regional development

ప్రాంతీయ అభివృద్ధి యందు పరిశ్రమల పాత్రను గురించి చర్చించుము?

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

వెబ్బర్ యొక్క పారిశ్రామిక స్థల నిర్ణయ సిద్ధాంతమును గురించి వివరముగా చర్చించుము?

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

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

6. Write a Geographical Essay on Environmental impact on Industrialization?

పర్యావరణం పై పారిశ్రామికీకరణ ప్రభావం గురించి ఒక భౌగోళిక వ్యాసము వ్రాయుము?

PART - B

Write short notes on any THREE of the following

3 X 5 = 15 M

ఈక్రింది వానిలో ఏవైనా మూడింటికి సమాధానములు వ్రాయుము

7. Small scale Industries

- చిన్నతరహా పరిశ్రమలు

8. Industrial estate- పారిశ్రామిక ప్రాంతం

9. Role of Transportation in Industries- పరిశ్రమల పై రవాణా పాత్ర

10. Industrial location theory of Hoover- హూవర్ పారిశ్రామిక స్థల నిర్ణయ సిద్ధాంతము

11. Industrial regions of U.S.A- USA లో పారిశ్రామిక ప్రాంతం

12. Problems of industrialization- పారిశ్రామికరణలో ఇబ్బందులు

PART - C

13. Locate the following on the outline map of the world. 5X1=05M

ఈక్రింది అంశములను మీకివ్వబడిన ప్రపంచ పటమునందు గుర్తించుము?

a) Japan- జపాన్

b) Kenya- కెన్యా

c) Mexico- మెక్సికో

d) Germany- జర్మనీ

e) Iran- ఇరాన్

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
THIRD YEAR B.A. /B.Sc. SEMESTER - V
SYLLABUS – 2023 - 2024
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)

Environmental Geography (GGY 132)

Objectives: 1. Students will understand the Concept of Environmental Geography, Types of Environments. 2. Students will understand the Human and Environment relationship, Adaption in different Biomes. 3. Students will understand the Ecosystem, and Bio - diversity. 4. Students will be able to understand Environment – Natural vegetation, Environmental Hazards, Environmental pollution. 5. Students will be able to learn the Environmental Programs and policies, Emerging Environmental issues.

Outcomes: 1. To know the knowledge of the Concept of Environmental Geography, Types of Environments. 2. To know the knowledge of Human and Environment relationship, Adaption in different Biomes. 3. To acquire the knowledge of Ecosystem, and Bio - diversity. 4. To acquire the knowledge of Environment – Natural vegetation, Environmental Hazards, Environmental pollution. 5. To acquire the knowledge of Environmental Programs and policies, Emerging Environmental issues.

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
THIRD YEAR B.A. / B.Sc. SEMESTER - V
MODEL QUESTION PAPER – 2023– 2024
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

క్రింది వానిలో ఏవైనా మూడింటికి వ్యాసరూప సమాధానములు వ్రాయుము

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

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

2. Explain the relationship between Human and Environment?

మానవుడు మరియు పరిసరముల మధ్య సంబంధమును గురించి వివరింపుము?

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

పర్యావరణ వ్యవస్థ నిర్మాణం, భావనలు మరియు విధులను గురించి వివరింపుము?

4. Write a Geographical essay on Bio-Diversity?

జీవ వైవిధ్యమును గురించి ఒక భౌగోళిక వ్యాసము వ్రాయుము?

5. Write a Geographical essay on Natural Vegetation?

సహజ ఉద్భిజ సంపదను గురించి ఒక భౌగోళిక వ్యాసము వ్రాయుము?

6. Write a Geographical essay on Environmental Hazards?

పర్యావరణ ప్రమాదములను గురించి ఒక భౌగోళిక వ్యాసము వ్రాయుము?

PART – B

Write short notes on any THREE of the following

3 X 5 = 15 M

ఈక్రింది వానిలో ఏవైనా మూడింటికి సమాధానములు వ్రాయుము

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

PART – C

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

5 X 1 = 05 M

అన్ని ప్రశ్నలకు రెండు వాక్యాలకు మించకుండా సమాధానములు వ్రాయుము

13. Air Pollution - వాయుకాలుష్యం
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 -2023 - 2024
PAPER –7B(Elective): DISASTER MANAGEMENT

(Effect from 2020 - 2021 Admitted Batch)

UNIT - I

Disasters - Definition and Classification of Disasters - Natural and Human Induced Disasters. Natural Disaster: such as Flood, Cyclone, Earthquakes, Landslides. Man-made Disaster: such as Fire, Industrial Pollution, Nuclear Disaster, Biological Disasters, Accidents (Air, Sea, Rail & Road), Structural failures (Building and Bridge), War & Terrorism etc. Causes, effects, and practical examples for all disasters.

UNIT - II

Risk and Vulnerability Analysis 1. Risk: Its concept and analysis 2. Risk Reduction 3. Vulnerability: Its concept and analysis 4. Strategic Development for Vulnerability Reduction.

UNIT - III

Disasters: Floods and Droughts, Landslides, Diseases, Terrorism, Stampede, Earthquake, Tsunami, Cyclones and Nuclear Disasters. Accidental Disasters - Railway, Roadway, Airway and Others.

UNIT - IV

Disaster Preparedness and Response Preparedness - Disaster Preparedness: Concept and Nature. Disaster Preparedness Plan - Prediction, Early Warnings and Safety Measures of Disaster. Role of Information, Education, Communication, and Training.

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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Disaster management (GGY 121)

Objectives: 1. Students will understand the Concepts of Disasters and Hazards. 2. Students will understand the Classification of Disasters. Distribution of Disaster management. 3. Students will understand the Natural Disasters – Floods and Droughts, Landslides, Diseases, Terrorism. Accidental Disasters. 4. Students will be able to understand Causes and Impact of Earthquakes, Tsunamis, and Cyclones. 5. Students will be able to Disaster management Stages, Disaster management International Organizations.

Outcomes: 1. To know the knowledge of the Concepts of Disasters and Hazards. 2. To know the knowledge of Classification of Disasters. Distribution of Disaster management. 3. To acquire the knowledge of Natural Disasters – Floods and Droughts, Landslides, Diseases, Terrorism. Accidental Disasters. 4. To acquire the knowledge of Causes and Impact of Earthquakes, Tsunamis, and Cyclones. 5. To acquire the knowledge of Disaster management Stages, Disaster management International Organizations.

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
THIRD YEAR B.A. / B.Sc. SEMESTER - V
MODEL QUESTION PAPER – 2023 - 2024
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

క్రిందివానిలో ఏవైనా మూడింటికి వ్యాసరూపసమాధానములు వ్రాయుము

1. Define what is Disaster? And describe the vulnerability of disasters in India?
విపత్తును నిర్వచించుము? మరియు భారతదేశంలో విపత్తుల వల్ల కలిగిన ధుర్బల పరిస్థితులను గూర్చి వ్రాయుము?
2. Classify the Disasters and write about the causes and impact of Natural Disasters?
విపత్తులను వర్గీకరించి, మరియు సహజ విపత్తుల యొక్క కారణంకములను మరియు వాటి ప్రభావములను గూర్చి వ్రాయుము?
3. Describe the various types of Accidental disasters?
వివధ ప్రమాద విపత్తులను గురించి వివరింపుము?
4. Describe the Earth Quakes and its causes, impact, and preparedness?
భూకంపాలు వాటి కారణాలు, ప్రభావము మరియు ముందు జాగ్రత్తలను గురించి వివరింపుము?
5. Describe the various stages of Disaster Management system?
వివిధవిపత్తు నిర్వహణ దశలను గురించి వివరింపుము?
6. Describe the various International Organizations of Disaster Management?
విపత్తునిర్వహణకు సంబంధించిన వివిధ అంతర్జాతీయ సంస్థలను గురించి వివరింపుము?

PART – B

Write short notes on any THREE of the following

3 X 5 = 15 M

ఈక్రిందివానిలోఏవైనా మూడింటికి సమాధానములు వ్రాయుము

7. Biological Disasters- జీవ సంబంధ విపత్తులు
8. Stampede- త్రొక్కిసలాట
9. Tsunami- సునామీ
10. Terrorism- ఉగ్రవాదం
11. Hazards Impact- వైపరీత్యాల ప్రభావం
12. Floods-వరదలు

PART – C

12. Locate the following on the outline map the World. 5 X 1 = 05 M

ఈక్రింది సూచించిన అంశములను మీకివ్వబడిన ప్రపంచపటమునందు గుర్తించుము?

- a) Japan- జపాన్
- b) Amazon River- అమెజాన్ నది
- c) Mount Vesuvius- మౌంట్ విసువీయస్
- d) Mount Krakatoa- మౌంట్ క్రకటోవా
- e) Sumatra- సుమత్రా

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
THIRDYEAR B.A. / B.Sc. SEMESTER – V
SYLLABUS – 2023 - 2024
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 based on – Nationality Time of travel, Number of tourists, 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. DharPranath: Development of Tourism and Travel Industry
5. Gupta V.N.: Tourism in India
6. Negi Jagmohan: Tourism Development and Resource Conservation.

Tourism Geography (GGY 149)

Objectives: 1. Students will understand the Concept of Tourism Geography, Importance of Tourism, Recent trends in Tourism. 2. Students will understand the Factors affecting Tourism development, Physical factors, Socio cultural Factors, Economic factors. 3. Students will understand the Classification of Tourism, Mode of Transportation. 4. Students will be able to understand Recent Concepts and Trends in Tourism. 5. Students will be able to learn the impact of Tourism on Economy, Socio Cultural aspects, Sustainable development of Tourism.

Outcomes: 1. To know the knowledge of the Concept of Concept of Tourism Geography, Importance of Tourism, Recent trends in Tourism. 2. To know the knowledge of the Factors affecting Tourism development, Physical factors, Socio cultural Factors, Economic factors. 3. To acquire the knowledge of Classification of Tourism, Mode of Transportation. 4. To acquire the knowledge of Recent Concepts and Trends in Tourism. 5. To acquire the knowledge of impact of Tourism on Economy, Socio Cultural aspects, Sustainable development of Tourism.

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
THIRD YEAR B.A. / B.Sc. SEMESTER – V
MODEL QUESTION PAPER – 2023 - 2024
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

క్రింది వానిలో ఏవైనా మూడింటికి వ్యాసరూప సమాధానములు వ్రాయుము

1. Define Tourism, and Write a detailed account of nature and scope of Tourism Geography?
పర్యాటకమును నిర్వచించి, మరియు దాని స్వభావం మరియు పరిధి గురించి వివరముగా వ్రాయుము?
2. Write a detailed account of Factors affecting on Tourism development?
పర్యాటకరంగం అభివృద్ధిలో ప్రభావితం చేసే కారణంశములను గురించి వివరముగా వ్రాయుము?
3. Write a Geographical Essay on Classification and Recent Concepts of Tourism?
పర్యాటకరంగంలో వర్గీకరణ గురించి భౌగోళిక వ్యాసము వ్రాయుము?
4. Write a Geographical Essay on Recent Concepts of Tourism?
పర్యాటక రంగంలో నూతన పోకడలను గురించి భౌగోళిక వ్యాసము?
5. Describe the detailed account of Impact of Tourism on Economy?
ఆర్థిక అభివృద్ధిలో పర్యాటక రంగం ప్రభావం గురించి వివరముగా చర్చింపుము?
6. Write a Geographical Essay on Sustainable Development of Tourism?
పర్యాటక రంగం యొక్క సుస్థిర అభివృద్ధిగురించి భౌగోళిక వ్యాసము వ్రాయుము?

PART - B

Write short notes on any THREE of the following

3 X 5 = 15 M

ఈక్రింది వానిలో ఏవైనా మూడింటికి సమాధానములు వ్రాయుము

7. Importance of Tourism- పర్యాటకం ప్రాధాన్యత
8. Climate role in Tourism- పర్యాటకంలో శీతోష్ణస్థితి పాత్ర
9. Historical Factors on Tourism- పర్యాటకంలో చారిత్రక కారణాలు
10. Transportation impact on Tourism- పర్యాటకం పై రవాణా ప్రభావం
11. Heritage Tourism- వారసత్వ సంపద పర్యాటకం
12. Adventure Tourism - సాహస పర్యాటకం

PART - C

13. Locate the following Tourist places on the outline map of the world.5X1=05M

ఈక్రింది యాత్ర స్థలాలను అంశములను మీకివ్వబడిన ప్రపంచ పటమునందు గుర్తించుము?

- a) Eiffel Tower- ఈఫిల్ టవర్
- b) Statue of Liberty- స్వేచ్ఛా స్తూపం
- c) Machu Picchu- మాచు పీచు
- d) Taj Mahal-తాజ్ మహల్
- e) Pyramids of Giza- గిజా పిరమిడ్లు

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
THIRDYEAR B.A. / B.Sc. SEMESTER – V
SYLLABUS – 2023 - 2024
PAPER – 7C (Elective): RESOURCE GEOGRAPHY
(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., Renwich, 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.

Resource Geography (GGY 147)

Objectives: 1. Students will understand the Concept of Resource Geography, Resource Utilization, and Significance of Resources. 2. Students will understand the Pressure on Resources, Conservation of natural resources. 3. Students will understand the Distribution, Utilization, Problems and Management of Metallic Mineral resources. 4. Students will be able to understand the Distribution, Utilization, Problems and Management of non-Metallic Mineral resources. 5. Problems and Management of Energy Resources, Sustainable development in use of Resources.

Outcomes: 1. To know the knowledge of the Concept of Resource Geography, Resource Utilization, and Significance of Resources. 2. To know the knowledge of the Pressure on Resources, Conservation of natural resources, 3. To acquire the knowledge of Distribution, Utilization, Problems and Management of Metallic Mineral resources. 4. To acquire the knowledge of the Problems and Management of non-Metallic Mineral resources. 5. To acquire the knowledge of Disaster management Stages, Disaster management International Organizations.

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
THIRD YEAR B.A. / B.Sc. SEMESTER – V
MODEL QUESTION PAPER – 2023 - 2024
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

క్రింది వానిలో ఏవైనా మూడింటికి వ్యాసరూప సమాధానములు వ్రాయుము

1. Define Natural Resources, and Write an account of Concept and classification of Natural Resources?

సహజ వనరులను నిర్వచించి, మరియు వనరుల భావనలు మరియు వర్గీకరణ గురించి వ్రాయుము?

2. Describe the detailed account of Resources are Backbone of Economic growth and Development?

ప్రపంచము నందలి వరి ఉత్పత్తి, విస్తరణ గురించి భౌగోళిక వ్యాసము వ్రాయుము?

3. Write a Geographical Essay on Conservation of Natural Resources?

ప్రపంచము నందలి జంతుసంపద విస్తరణ మరియు వాటి ఉత్పత్తుల గురించి భౌగోళిక వ్యాసము వ్రాయుము?

4. Write a Geographical Essay on Distribution and Utilization of Iron and Steel?

ప్రపంచము నందలి ప్రధాన మత్య సంపద సంగ్రహణ ప్రాంతాలను గురించి భౌగోళిక వ్యాసము?

5. Describe the detailed account of Distribution and Utilization of Limestone?

వెబ్బర్ యొక్క పారిశ్రామిక స్థల నిర్ణయ సిద్ధాంతమును గురించి వివరముగా చర్చింపుము?

6. Describe the Distribution, Utilization, Problems and Management of Energy Resources?

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

PART – B

Write short notes on any THREE of the following

3 X 5 = 15 M

ఈక్రింది వానిలో ఏవైనా మూడింటికి సమాధానములు వ్రాయుము

7. Renewable resources - పునః స్థాపక 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- పెట్రోలియం
14. Deforestation - అడవుల నాశనం
15. Copper- రాగి
16. Asbestos- అసబెస్టాస్
17. Sustainable Use of Resources-వనరుల వినియోగంలో సుస్థిరత

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
THIRDYEAR - B.A. /B.Sc. SEMESTER –V
PRACTICAL SYLLABUS –2023 - 2024
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.

Thematic maps and Topographical maps.(Practical) GGY 142(P)

Objectives: 1. Students will understand the Information and Knowledge of Thematic maps. 2. Students will understand the Choropleth maps Isopleth Maps, Chorochromatic maps and Dot maps. 3. Students will understand the Topographical maps. 4. Students will be able to understand the Conventional signs in Topographical maps. 5. Students will be able to learn Interpretation of Topographical maps.

Outcomes: 1.To knows the knowledge of the Information of Thematic maps, recent trends. 2. To know the knowledge of Choropleth maps Isopleth Maps, Chorochromatic maps and Dot maps. 3. To acquire the knowledge of Topographical maps. 4. To acquire the knowledge of Conventional signs in Topographical maps. 5. To acquire the knowledge of Interpretation of Topographical maps.

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
THIRD YEAR - B.A. /B.Sc. SEMESTER – V
PRACTICAL MODEL QUESTION PAPER – 2023 - 2024
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 వర్ణ ఛాయాచిత్రమును తయారుచేయుము?

2. Prepare a Isopleth Map by using the following Data 10 M

ఇచ్చిన దత్తాంశమును ఉపయోగించి విస్తరణ 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 –2023 - 2024
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.

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.

Map Projections (Practical) GGY 145(P)

Objectives: 1. Students will understand the importance of Map projections. 2. Students will understand the Conical projections. 3. Students will understand the cylindrical projections. 4. Students will be able to understand the Equal area projections. 5. Students will be able to learn Characteristics of the Projections.

Outcomes: 1.To knows the knowledge of the importance of Map projections. 2. To know the knowledge of Conical projections. 3. To acquire the knowledge of cylindrical projections. 4. To acquire the knowledge of Equal area projections.5. To acquire the knowledge of Characteristics of the Projections.

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
THIRD YEAR B.A. /B.Sc. SEMESTER - V
PRACTICAL MODEL QUESTION PAPER – 2023 - 2024
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 5M
4. Record 10 M

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GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
FIRSTYEAR B.A. /B.Sc. GEOGRAPHY SEMESTER – II
SYLLABUS FOR MINOR PAPER – 2023-2024
MINOR PAPER – I: PHYSICAL GEOGRAPHY – I
(GEOMORPHOLOGY)
(Effect from 2023-2024 Admitted)

UNIT - I

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

UNIT - II

4. Earth quakes
5. Volcanoes.
6. Rocks – classification.

UNIT – III

4. Wegner’s Continental drift theory
5. Plate tectonic theory
6. Weathering – types.

UNIT – IV

4. Erosion – Cycle of erosion
5. Processes and Landforms development of Rivers
6. Processes and Landforms development of Winds

UNIT – V

4. Processes and Landforms development of Ocean waves.
5. Processes and Landforms development of Underground water
6. Processes and Landforms development of Glaciers.

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Suggested Readings: 1. Bloom A. L., 2003: Geomorphology: A Systematic Analysis of Late Cenozoic Landforms, Prentice-Hall of India, New Delhi. 4. Kale V. S. and Gupta A., 2001: Introduction to Geomorphology, Orient Longman, Hyderabad. 7. Selby, M.J., (2005), Earth’s Changing Surface, Indian Edition, OUP 8. Skinner, Brian J. and Stephen C. Porter (2000), The Dynamic Earth: An Introduction to physical Geology, 4th Edition, John Wiley and Sons 9. Thornbury W. D., 1968: Principles of Geomorphology, Wiley. 10. Gautam, A (2010): Bhautik Bhugol, Rastogi Publications, Meerut 11. Tikka, R N (1989): Bhautik Bhugol ka Swaroop, Kedarnath Ram Nath, Meerut 12. Singh, S (2009): Bhautik Bhugol ka Swaroop, Prayag Pustak, Allahabad

Major 3: Physical Geography I (Geomorphology) (126103)

Objectives: 1. Students will understand the Interior of the Earth, and its theories of Isostasy, Continental Drift, and Plate Tectonic etc. 2. Students will understand the fundamental concepts of Major landforms on the Earth 3. Students will understand the Earthquakes, Volcanoes and Rocks. 4. Students will understand the Weathering and Erosion process. 5. Students will be able to read and interpret information on different types of Land forms by the Erosional Agents.

Outcomes: 1. To know the knowledge of Interior of the earth and their theories of Isostasy, Continental drift, Plate Tectonic, and acquire the knowledge of Major land forms 2. To know the knowledge of Earth quakes and Volcanoes. 3. To acquire the knowledge of Rocks classification, Weathering, and Erosion. 4. To acquire the knowledge of Land forms by rivers, wind, and Wave Action. 5. To acquire the knowledge of Land forms by Karsts and Glaciers.

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GOVERNMENT COLLEGE (AUTONOMOUS) RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
FIRSTYEAR B.A. /B.Sc. GEOGRAPHY SEMESTER – II
MODEL QUESTION PAPER FOR MINOR PAPER – 2023 - 2024
MINOR PAPER – I: PHYSICAL GEOGRAPHY – I
(GEOMORPHOLOGY)
(Effect from 2023-2024 Admitted batch)

Time: 2:30 Hours

Max Marks: 50M

PART – A

Answer any THREE of the following Questions

3 X 10 = 30 M

క్రింది వానిలో ఏదైనా మూడింటికి వ్యాసరూప సమాధానములు వ్రాయుము

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

భూ అంతర్పూర్ణం మరియు సంఘటనం గూర్చి భౌగోళిక వ్యాసము 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?

వెజినర్ 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 క్రమ క్షయ మరియు నిక్షేపణల స్వరూపాలను గురించి వివరింపుము?

PART – B

Write short notes on any THREE of the following

3 X 5 = 15 M

ఈక్రింది వానిలో ఏవైనా మూడింటికి సమాధానములు వ్రాయుము

- | | |
|------------------------------------|-------------------------------|
| 7. Erosional Agents | - క్రమక్షయ ఏజంట్లు |
| 8. Importance of River's landforms | - నదీ భూస్వరూపములు ప్రాధాన్యత |
| 9. Stalactite - Stalagmite | - స్టాలక్ టైట్ - స్టాలగ్ మైట్ |
| 10. Depositional plains | - నిక్షేపణా మైదానాలు |
| 11. Plate Tectonic theory | - పలక విరూప కారక 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 | - అవక్షేప శిలలు |
| 14. Pangaea | - ఫేంజియా |
| 15. Delta | - డెల్టా |
| 16. Sinkholes | - సింక్ హోల్స్ |
| 17. Batholith | - బాతోలిత్ |

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Approved

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
FIRSTYEAR B.A. /B.Sc. GEOGRAPHY SEMESTER – II
PRACTICAL SYLLABUS FOR MINOR PAPER – 2023-2024
MINOR PRACTICAL PAPER: MAPS AND SCALES
(Effect from 2023-2024 Admitted)

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

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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Maps and Scales (Practical) (126103 P)

Objectives: 1. Students will understand the Maps and its types. 2. Students will understand the fundamental concepts Map making. 3. Students will understand the Map scales and types. 4. Students will be able to learn the Conversion of Map scales. 5. Students will be able to learn the various advantages of maps.

Outcomes: 1. To know the knowledge of the Maps and its types. 2. To know the knowledge of Maps and its uses and classification. 3. To acquire the knowledge of Map scales and types. 4. To acquire the knowledge of Conversion of Map scales. 5. To acquire the knowledge of various advantages of maps.

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GOVERNMENT COLLEGE (AUTONOMOUS) RAJAMAHENDRAVARAM
DEPARTMENT OF GEOGRAPHY
FIRSTYEAR B.A. /B.Sc. GEOGRAPHY SEMESTER – II
MODEL PRACTICAL QUESTION PAPER FOR MINOR PAPER – 2023 - 2024
MINOR PRACTICAL PAPER: MAPS AND SCALES
(Effect from 2023-2024 Admitted batch)

Time: 2:30 Hrs. Max. Marks: 50 M

ANSWER ALL THE QUESTIONS

ఈ క్రింది ప్రశ్నలు అన్నింటికీ 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. Construct a Diagonal scale with the given scale, and write the Construction processor? 15 M

మీకు ఇవ్వబడిన స్కేలు ఆధారముగా ఐ మూల స్కేలును గీచి, నిర్మాణక్రమము వ్రాయుము?

3. Write about the uses of the maps in briefly? 5 M

4. Viva voce 5 M

6. Record 10 M

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Approved