

P.G. DEGREE EXAMINATION - JULY, 2024.

Geography

First Semester

PROCESS OF GEOMORPHOLOGY

Time : 3 hours

Maximum marks : 70

PART A — ($5 \times 5 = 25$ marks)

Answer any FIVE questions out of Eight Questions
in 300 words.

All questions carry equal marks.

1. Explain the approaches to geomorphological studies.
2. Briefly explain the concept of Isostasy.
3. What is gradational Process? Explain.
4. Bring out the erosional landforms by wind.
5. Give an account on coastal geomorphology.
6. Explain about mass wasting.
7. Illustrate the types of waterfalls.
8. Discuss the consequences of earthquakes.

PART B — ($3 \times 15 = 45$ marks)

Answer any THREE questions out of Five questions in
1000 words.

All questions carry equal marks.

9. Explain the nature and scope of geomorphology.
 10. Describe the causes of volcanoes.
 11. Explain the types of weathering process.
 12. Discuss the various Aeolian landforms.
 13. Illustrate the applications of geomorphology in mineral exploitation.
-

**P.G. DEGREE EXAMINATION –
JULY, 2024.**

Geography

First Semester

CLIMATOLOGY AND HYDROLOGY

Time : 3 hours

Maximum marks : 70

PART A — ($5 \times 5 = 25$ marks)

**Answer any FIVE questions out of Eight
questions in 300 words**

All questions carry equal marks

1. Explain the composition of the atmosphere.
2. What are airmasses? Explain.
3. Give an account on climate change.
4. Bring out the man's interference on hydrological cycle.
5. Explain the needs of ground water harvesting.

6. Explain the major pressure belts of the world.
7. Illustrate the types of coral reefs.
8. Discuss the causes of global warming.

PART B — ($3 \times 15 = 45$ marks)

Answer any THREE questions out of Five
questions in 1000 words

All questions carry equal marks

9. Explain the types of clouds in a detailed manner.
10. Describe the tropical cyclones.
11. Explain the causes of drought in the world.
12. Discuss on hydrological cycle.
13. Illustrate the controlling ways of ground water pollution.

**P.G. DEGREE EXAMINATION —
JULY 2024.**

Geography

First Semester

ENVIRONMENTAL GEOGRAPHY

Time : 3 hours

Maximum marks : 70

PART A — (5 × 5 = 25 marks)

**Answer any FIVE questions out of Eight questions in
300 words.**

All questions carry equal marks.

- 1. Mention the relationship between Environment and Geography.**
- 2. Describe Marxian view on environment.**
- 3. Give Short notes on Trophic Levels.**
- 4. Shortly explain the Geo-Chemical Cycle.**
- 5. Brief note on Global Warming.**

6. Give any five valuable problems of water pollution in India.
7. Brief note on Agenda 21.
8. Describe about the International Treaties.

PART B — ($3 \times 15 = 45$ marks)

Answer any THREE questions out of Five questions in 1000 words.

All questions carry equal marks.

9. Define Environmental Geography and explain the nature and scope of environmental Geography.
10. Describe briefly the Food Chain, Food Web and Ecological Pyramid.
11. Explain in detail about the Atmospheric Pollution.
12. Write in detail about the National Programmes and Policies of Environmental Geography.
13. Explain the Sustainable Development Goals and Paris Agreement.

P.G DEGREE EXAMINATION — JULY 2024

Geography

First Semester

**CLIMATE CHANGE VULNERABILITY AND
ADAPTATION**

Time : 3 hours

Maximum marks : 70

PART A — ($5 \times 5 = 25$ marks)

**Answer any FIVE questions out of Eight questions in
300 words.**

All questions carry equal marks.

1. Give short notes on Green house gases.
2. Brief the India's climate change.
3. What is the Social Vulnerability? How it affects the environment?
4. Describe how human health affected by the impacts of Climate Change.
5. Analyse the impacts of Climate Change on Flora in India.

6. Give short notes on Coastal Degradation.
7. What are the sources for Vulnerability Assessment
8. Shortly explain about National Action Plan on Climate Change.

PART B — ($3 \times 15 = 45$ marks)

Answer any THREE questions out of Five questions in 1000 words.

All questions carry equal marks.

9. Explain in detail about Global Climatic Assessment- IPCC.
10. Analyse the Physical Vulnerability and Climate Change.
11. Explain in detail about the Climate Change Impact on Agriculture.
12. Explain the various methods of Vulnerability Assessments.
13. Write in detail about the adaptation and mitigation measures have to be taken by Local Institutions.

P.G. DEGREE EXAMINATION – JULY, 2024.

Geography

Second Semester

AGRICULTURAL GEOGRAPHY

Time : 3 hours

Maximum marks : 70

PART A — ($5 \times 5 = 25$ marks)

Answer any FIVE questions out of Eight questions in
300 words.

All questions carry equal marks.

1. Write in brief about any three approaches in agricultural geography.
2. Describe in brief the non physical factors affecting the agricultural sector.
3. List out the salient features of Von Thunen theory of landuse.
4. Explain about the factor used to assess the capability of land with suitable example.

5. Illustrate the crop diversification method with examples.
6. Explain the nature and scope of agricultural geography.
7. Summarize the positive changes that the green revolution introduced into the Indian agriculture.
8. Explain the role of remote sensing in land use studies in brief.

PART B — ($3 \times 15 = 45$ marks)

Answer any THREE questions out of Five questions in 1000 words.

All questions carry equal marks.

9. Describe in detail the various elements affecting the agriculture.
10. Explain in detail the various physical determinants of the agriculture.
11. Illustrate the Von Thunen's model of agriculture land use.
12. Explain in detail the agricultural regions of India.
13. Examine the reasons for the regional variations in agricultural productivity.

P.G. DEGREE EXAMINATION – JULY, 2024.

Geography

Second Semester

URBAN GEOGRAPHY

Time : 3 hours

Maximum marks : 70

PART A — ($5 \times 5 = 25$ marks)

Answer any FIVE questions out of Eight questions in
300 words.

All questions carry equal marks.

1. Write briefly the nature and content of urban geography.
2. Describe about the demographic characteristics of population in urban centres.
3. List out the salient features of Urban land use models -Burgess and Hoyt.
4. Define Umland. Explain how Umland is demarcated.

5. Bring out the need for proper urban planning in developing countries.
6. Explain the trend of urbanization in India in the past two decades.
7. Classify the Urban Centres based on population.
8. Explain the Rank Size Rule in brief.

PART B — ($3 \times 15 = 45$ marks)

Answer any THREE questions out of Five questions in 1000 words.

All questions carry equal marks.

9. Describe in detail the various factors affecting the urban growth.
10. Explain in detail the characteristics of Central Business District.
11. Illustrate the Harris and Ullman model of Urban Land use.
12. Define Urban sprawl. Explain the reason for the development of urban sprawl.
13. Describe the major problems faced by the Urban areas around the world in detail.

PG-AS-1230 MGEOS-23

P.G. DEGREE EXAMINATION – JULY, 2024.

Geography

Second Semester

REMOTE SENSING

Time : 3 hours

Maximum marks : 70

PART A — ($5 \times 5 = 25$ marks)

Answer any FIVE questions out of Eight questions in
300 words.

All questions carry equal marks.

1. Define Remote Sensing. Explain the types of remote sensing.
2. Write about the various methods used to correct geometric errors in remote sensing images.
3. Differentiate between supervised and unsupervised classification.
4. List out the different types of Aerial photo.
5. Summarize the application of remote sensing in disaster management.

6. Explain the various types of remote sensing orbits.
7. Explain any ONE techniques of Image enhancement.
8. Explain the concept of Object-Based Image Analysis (OBIA).

PART B — ($3 \times 15 = 45$ marks)

Answer any THREE questions out of Five questions in
1000 words.

All questions carry equal marks.

9. What is Electromagnetic Radiation ? Explain the Interaction of EMR with atmosphere and earth surface.
10. Explain in detail about various techniques used to reduce the noise effect.
11. Explain various techniques involved in Unsupervised Classification.
12. Describe the elements of image interpretation.
13. Explain in detail the application of remote sensing in water resources.

PG-AS-1231 MGEOSE-21

P.G. DEGREE EXAMINATION –
JULY, 2024.

Geography

Second Semester

**QUANTITATIVE TECHNIQUES IN
GEOGRAPHY**

Time : 3 hours

Maximum marks : 70

PART A — ($5 \times 5 = 25$ marks)

Answer any FIVE questions out of Eight
questions in 300 words

All questions carry equal marks

1. What is geographic data? What are the four levels of measurement?
2. Explain briefly the elementary probability theory.
3. Explain various types of hypothesis testing.
4. Write about the use of Non-Parametric Correlation in geographical study.

5. Explain briefly the application of trend analysis in geographical study.
6. What is random variable? Explain the types of random variable.
7. Discuss the Use of Non-parametric Tools in Spatial Analysis.
8. Explain the regression analysis in geography.

PART B — ($3 \times 15 = 45$ marks)

Answer any **THREE** questions out of Five
questions in 1000 words

All questions carry equal marks

9. Explain in detail the methods to calculate measures of Central Tendency and Dispersion.
10. Discuss in detail the various types of sampling methods.
11. Describe in detail about the ANOVA.
12. Discuss the Product Moment Correlation analysis with suitable examples.
13. Write in detail about the Multiple regression analysis in spatial analysis.

P.G. DEGREE EXAMINATION — JULY 2024.

Geography

Third Semester

GEOGRAPHICAL THOUGHT

Time : 3 hours

Maximum marks : 70

PART A — ($5 \times 5 = 25$ marks)

Answer any FIVE questions out of Eight Questions in
300 words.

All questions carry equal marks.

1. Impacts of possibilism in geographical development.
2. What are the branches of geography discipline?
3. Discuss the classical period of the geography.
4. Write a short note on systematic geography.
5. Define Ideography.

6. Write a short note on contribution of Indian geographers.
7. Write a short note on German Geographers contribution for geography.
8. Write a scope of future of geography and geographers.

PART B — ($3 \times 15 = 45$ marks)

Answer any THREE questions out of Five questions in 1000 words.

All questions carry equal marks.

9. Write comparative characteristics of Classical period - Medieval period.
10. Note on Development of regional Geographical Thought.
11. Write an approach of Qualitative geography.
12. Write a major Geographical Thoughts of Alexander Von Humbolt.
13. Describe the Quantitative Revolution and Resent trends.

P.G. DEGREE EXAMINATION — JULY 2024.

Geography

Third Semester

REGIONAL PLANNING

Time : 3 hours

Maximum marks : 70

PART A — ($5 \times 5 = 25$ marks)

Answer any FIVE questions out of Eight questions in
300 words.

All questions carry equal marks.

1. Define Natural Regions.
2. Write a basics of Master plan.
3. Special Area Zones of India.
4. Write a purpose of EEZ in India.
5. What are the characteristics of metropolitan regions?
6. Write goals of regional planning.
7. Growth centre – Define.
8. Write an application of central place theory.

PART B — ($3 \times 15 = 45$ marks)

Answer any THREE questions out of Five Questions in
1000 words.

All questions carry equal marks.

9. Write an essay on priorities regional imbalance?
 10. How to approaches the Sectoral planning?
 11. Explain the functional characteristics of regional divisions.
 12. The hierarchical functions of Town and Country Planning of Tamil Nadu.
 13. Narrate the Regional Planning act and applications.
-

P.G. DEGREE EXAMINATION – JULY, 2024.

Geography

Third Semester

GEOGRAPHY OF RESOURCES

Time : 3 hours

Maximum marks : 70

PART A — ($5 \times 5 = 25$ marks)

Answer any FIVE questions out of Eight questions in
300 words.

All questions carry equal marks.

1. Define Resources.
2. Write a note on mineral resources and their uses.
3. Write a conservation measure of natural resources.
4. How to understand the resources depletion?
5. Write a short note on distribution of Land resources over the world.

6. Write a various utilization of Non-Metallic Mineral Resources.
7. Short note on five-year planning and implementation in India.
8. Write an awareness of non-renewable resources.

PART B — ($3 \times 15 = 45$ marks)

Answer any THREE questions out of Five questions in 1000 words.

All questions carry equal marks.

9. Write an account of pressure and problems of Natural Resource availability.
 10. Discuss the challenges conservation measures of natural resources.
 11. Write an essay on Mineral Resources in India.
 12. Note on Natural Resources Management for future generations.
 13. Narrate the Integrated Resource Development and its Applications.
-

P.G. DEGREE EXAMINATION – JULY, 2024.

Geography

Third Semester

GEOGRAPHICAL INFORMATION SYSTEM

Time : 3 hours

Maximum marks : 70

PART A — ($5 \times 5 = 25$ marks)

Answer any FIVE questions out of Eight questions in
300 words.

All questions carry equal marks.

1. Brief about the GIS components.
2. Write a short note on GIS techniques.
3. List out the various types of Raster Data.
4. Differentiate Data Base and Geodatabase.
5. Draw a surface analysis of spatial data.
6. Explain the network analysis.

7. Narrate an application of Artificial Intelligence of GIS.
8. Write a real time application of Mobile GIS.

PART B — ($3 \times 15 = 45$ marks)

Answer any THREE questions out of Five questions in
1000 words.

All questions carry equal marks.

9. Elaborate the GIS Components and their functions.
 10. Write an essay for various digital elevation Models and uses.
 11. Draw a functions of Data editing and data analytics.
 12. Write an application of Object-Oriented GIS.
 13. Prove the Decision Supporting System of GIS.
-

**P.G. DEGREE EXAMINATIONS –
JULY, 2024.**

Geography

Third Semester

WATERSHED MANAGEMENT

Time : 3 hours

Maximum marks : 70

PART A — ($5 \times 5 = 25$ marks)

**Answer any FIVE questions out of Eight
questions in 300 words**

All questions carry equal marks

1. Define Watershed.
2. What are the hierarchy of water divide?
3. Explain the characteristics of Morphological of Watershed.
4. Write a short note on Soil resource evaluation.
5. Write a note on Land and Water conservation practices.

6. Determination of Water conservation structures.
7. Write a basics of Land capability classification system.
8. Write a role of Empowerment of Women for development of watershed.

PART B — ($3 \times 15 = 45$ marks)

Answer any THREE questions out of Five
questions in 1000 words

All questions carry equal marks

9. Write scope Physical and Socio-Economic characteristics of watershed.
10. Describe the Climatic characteristics of Watershed.
11. Write a complication of water distribution at various rivers.
12. Write policies of Integrated Watershed Management.
13. Delineate Participatory Rural Appraisal in Watershed Programme

P.G. DEGREE EXAMINATION – JULY, 2024.

Geography

Fourth Semester

GEOGRAPHY OF INDIA

Time : 3 hours

Maximum marks : 70

PART A — ($5 \times 5 = 25$ marks)

Answer any FIVE questions out of Eight questions in
300 words.

All questions carry equal marks.

1. Describe in brief about the Plateaus of Indian Subcontinent.
2. Discuss about the seasons of India.
3. Write in brief about the factors affecting the distribution of population in India,
4. Summarize briefly how industrialization boost the economy of India.
5. Write a short on the different modes of transport.

6. Briefly explain the jet streams and its influence on the Indian Monsoon.
7. Write about any characteristics, production and distribution of any TWO food crops of India.
8. Write a short note on the trade of India.

PART B — ($3 \times 15 = 45$ marks)

Answer any THREE questions out of Five questions in
1000 words.

All questions carry equal marks.

9. Give a detailed account on the Himalayan Mountain and its significance.
10. Discuss in detail the mechanism of Indian monsoon with illustration.
11. Discuss and delineate major Agro Ecological regions of India.
12. Write an account of the major Industrial regions of India.
13. Write about the impact of roads on the Indian Economy.

P.G. DEGREE EXAMINATION – JULY, 2024.

Geography

Fourth Semester

POLITICAL GEOGRAPHY

Time : 3 hours

Maximum marks : 70

PART A — ($5 \times 5 = 25$ marks)

Answer any FIVE questions out of Eight questions in
300 words.

All questions carry equal marks.

1. Write in brief about the scope and content of political geography.
2. Discuss the important elements of State.
3. Write in brief about the characteristics of Nation.
4. Summarize the significance of SAARC.
5. Explain briefly how the natural resources influence the world politics.

6. Illustrate how the environmental elements plays crucial role in the Politics.
7. Compare and contrast the frontiers and boundaries.
8. Write a short note on geopolitics.

PART B — ($3 \times 15 = 45$ marks)

Answer any THREE questions out of Five questions in
1000 words.

All questions carry equal marks.

9. Discuss the scope and development of political geography.
10. Write in detail the physical and non - physical elements of the state.
11. Explain in detail the Heartland theory.
12. Elucidate the role of ASEAN and SAARC in promoting regional cooperation.
13. Discuss the geopolitical significance of Indian Ocean.

PG-AS-1239 MGEOSE-41

P.G. DEGREE EXAMINATIONS –
JULY, 2024.

Geography

Fourth Semester

ENVIRONMENTAL IMPACT ASSESSMENT

Time : 3 hours

Maximum marks : 70

PART A — ($5 \times 5 = 25$ marks)

Answer any FIVE questions out of Eight
questions in 300 words

All questions carry equal marks

1. How to asses of Environment Impact.
2. Differentiate Ecology and Environment
3. Delineate various stage of technological development for environment management.
4. Write a short note on Environment Planning.
5. Write a Sequence of environmental Issues for developmental activities

6. Write a short note on EIA methodologies for various environmental issues
7. Explain the EIA for various environmental condition
8. Discuss about Components of Environment Impacts assessment.

PART B — ($3 \times 15 = 45$ marks)

Answer any THREE questions out of Five
questions in 1000 words

All questions carry equal marks

9. Write a concept of Environmental Impact Assessment.
 10. Designing administrative and legal procedures for Environmental Management – Discuss.
 11. Write a various step in EIA systematic approach for using EIA.
 12. How to assess the EIA on environmental auditing?
 13. Delineate the environmental management concepts.
-