P.G. DEGREE EXAMINATION – JULY, 2022.

Geography

(From CY – 2020 onwards)

First Semester

PROCESSES OF GEOMORPHOLOGY

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.   Explain the nature and scope of Geomorphology.

2.   Describe about the various Orogenic earth movements.

3.   Write a short note on Biological Weathering.

4.   Give a brief account on the depositional landforms of a River.

5.   Discuss the importance of Geomorphology in Dam Site Selection.

6.   Explain the salient features of Plate Tectonics.

7.   Write a note on Mass Movement.

8.   List out and explain about the Karst landforms.

PART B — (3 × 15 = 45 marks)

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

All questions carry equal marks

9.   Write an essay on the geological structures and landforms.

10. Give a detailed account on seismicity and its impacts.

11. Describe the theory of slope evolution with suitable illustrations.

12. Explain about the landforms of a glacial action.

13. Discuss the role of geomorphology on coastal zone management.

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P.G. DEGREE EXAMINATION – JULY, 2022.

Geography

(From CY–2020 onwards)

First Semester

CLIMATOLOGY AND HYDROLOGY

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. Explain the relation to Meteorology and Climatology.

2. Illustrate and explain the types of fronts.

3. Discuss the causes and consequences of Ozone Depletion.

4. Describe the various forms of precipitation with a neat sketch.

5. Write a note on Rainwater harvesting.

6. List out and explain the major types of cloud.

7. Distinguish: El Nino and La Nina.

8. Explain the effects of global warming

PART B — (3 × 15 = 45 marks)

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

All questions carry equal marks.

9. Write an essay on the structure and composition of
    the atmosphere.

10. Explain in detail about the cyclones and anti-
    cyclones with suitable illustrations.

11. Describe the factors influencing on the occurrence
    of drought and its consequences.

12. Give a detailed note on hydrological cycle and its
    elements with a diagram.

13. Discuss the human impact on hydrological system
    and water resources.

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P.G. DEGREE EXAMINATION — JULY 2022.

Geography

(From CY – 2020 Onwards)

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. Explain the nature and scope of Environmental Geography.

2. Illustrate and explain about the functions of trophic levels.

3. Write a note on land degradation.

4. Expand and Explain: MDGs.

5. Describe the relationship between man and environment.

6. Illustrate and explain about the oxygen cycle.

7. Write a brief note on environmental ethics.

8. Give an account on Paris Agreement.

PART B — (3 × 15 = 45 marks)

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

All questions carry equal marks.

9. Discuss the role of Geography on Environmental Studies.

10. Explain the components of ecosystem.

11. Describe the cause and consequences of Urban Heat Island.

12. Discuss the role of National Programmes and Policies on environmental protection.

13. Write an essay on sustainable developmental goals.

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P.G. DEGREE EXAMINATION — JULY 2022.

Geography

(From CY – 2020 onwards)

First Semester

ADVANCED CARTOGRAPHY

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.   Explain the uses and purpose of scales.

2.   Describe the importance of color theory in cartography.

3.   Write a brief note on Cartograms.

4.   Give a short note on Mobile Maps.

5.   Explain the significances of layout for a map.

6.   Write a short note on flow maps with an appropriate sketch.

7.   Give a note on Multivariate Mapping.

8.   Describe the steps involved on Geo-visualization.

PART B — (3 × 15 = 45 marks)

Answer any THREE questions out of Five questions in 1000 words. All questions carry equal marks.

9.   Write an essay on the various type of projections.

10.   Explain the importance of symbolization in mapping process.

11.   Describe the methods involved on terrain representation.

12.   Give an account on Web Mapping.

13.   Discuss the historical development of map production.

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P.G. DEGREE EXAMINATION — JULY, 2022.

Geography

(From CY – 2020 onwards)

First Semester

CLIMATE CHANGE VULNERABILITY AND ADAPTATION

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.   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 × 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.

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P.G. DEGREE EXAMINATION –
JULY 2022.

Geography

(From CY – 2020 onwards)

Second Semester

AGRICULTURAL 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.   Give short notes on elements of agriculture.

2.   What are the Approaches to the study of
      Agricultural Geography.

3.   What are the technological determinants of
      agricultural land use?

4.   Write a short note on Green Revolution.

5. Brief on Von Thune's theory to the present-day location of agricultural activities.

6. Describe the agricultural regions of India and Tamil Nadu.

7. Give an account on Regional variations in Agricultural Productivity.

8. Give short notes on Bhatia's method of Crop diversification.

PART B — (3 × 15 = 45 marks)

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

All questions carry equal marks.

9. Explain in detail about the nature, scope and significance of Agricultural Geography.

10. Describe the Physical and Economic factors are the determinants of Agricultural Land Use.

11. Explain Von Thune's theory of agricultural location and its recent modifications.

12. Brief the Role of Remote Sensing in Land Use Studies.

13. Elaborate in detail about Weaver's methods of delineating crop combination regions.

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P.G. DEGREE EXAMINATION - JULY 2022

Geography

(From CY - 2020 onwards)

Second Semester

URBAN 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. Give short notes on scope of Urban Geography.

2. What are the Factors affecting urban growth.

3. Give short notes on Population Features of Cities.

4. Give short notes on Burgess and Hoyt Model of Urban land use.

5. Give short notes on Harris and Ullman Model of Urban land use.

6. Give short notes on City region in India.

7. Brief note on Urban hierarchy.

8. Shortly explain about Central Place theory.

PART B — (3 × 15 = 45 marks)

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

All questions carry equal marks.

9. Analyze the past and present trend of Urbanization in the World.

10. Explain in detail about the Central business district and its Delimitation.

11. Explain in detail about the Functional classification of cities.

12. Give detailed account on how Urban Sprawl has to be developed.

13. Explain in detail the urban problems in Solid waste management.

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P.G. DEGREE EXAMINATION — JULY 2022.

Geography

(From CY – 2020 onwards)

Second Semester

REMOTE SENSING

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. Give short notes development of Remote Sensing.

2. Shortly explain the classifications of Sensors.

3. Describe Image enhancement techniques.

4. Give short notes on Image restoration.

5. Give short notes on the importance of Unsupervised Classification.

6. Brief note on Object-Based Image Analysis (OBIA).

7. Give short notes about Visual Image Interpretation.

8. Shortly explain the Remote Sensing applications in Land Use Planning.

PART B — (3 × 15 = 45 marks)

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

All questions carry equal marks.

9. Define Remote Sensing. Write a detailed account on EMR interaction with Earth Surface.

10. Explain in detail, how Image rectifications and corrections are carried out in Digital Image Processing?

11. Broadly explain supervised classifications.

12. Explain in detail the elements of Aerial Photo Interpretation.

13. Elaborate the Remote Sensing applications in Water Resources.

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P.G. DEGREE EXAMINATION – JULY 2022.

Geography

(From CY – 2020 onwards)

First Semester

QUANTITATIVE TECHNIQUES IN 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. Give short notes on Spatial Analysis.

2. Brief the measurement Levels and Spatial Data.

3. Describe Elementary Probability Theory.

4. Give short notes on Random Variables.

5. Shortly explain about Analysis of Variance (ANOVA).

6. What is the Use of Non-Parametric Tools in Spatial Analysis?

7. Give short notes on Non-Parametric Correlation.

8. Brief Simple Linear Regression.

PART B — (3 × 15 = 45 marks)

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

All questions carry equal marks.

9. Explain in detail about Measures of Central Tendency and Dispersion.

10. Describe the Sampling Process and Types of Samples.

11. Analyse the PROB-VALUE Method of Hypothesis Testing.

12. Explain in detail about the Areal Association and Spatial Autocorrelation.

13. Elaborate the Multiple Regression Models in Spatial Context and Non-linear Models.

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