

**M.Sc. DEGREE EXAMINATION –
DECEMBER 2020**

Geography

First Year

BASIC PRINCIPLES OF EARTH SYSTEM

Time : 3 hours

Maximum marks : 75

PART A — (3 × 5 = 15 marks)

Answer any **THREE** questions. All questions carry equal marks.

1. Give an account on origin of landforms.
2. Brief on depositional work of underground water.
3. Write a note on Insolation.
4. Describe the origin and characteristics of Tropical cyclones.
5. Explain the formation and distribution of salinity.

PART B — (4 × 15 = 60 marks)

Answer any FOUR questions. All questions carry equal marks.

6. Discuss the internal structure of the earth.
 7. Explain the types and formation of fold and faults.
 8. Analyse the Penck's view of normal cycle of erosion in landforms.
 9. Discuss the erosional, transportational and depositional landforms of glacial regions.
 10. Bring out the composition and structure of the atmosphere.
 11. Describe the Koppen's climatic classification of the world.
 12. Explain the bottom relief of Pacific Ocean.
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M.Sc. DEGREE EXAMINATIONS- DECEMBER – 2020

Geography

First Year

BASIC PRINCIPLES OF EARTH SYSTEM

TIME :3 Hours

Maximum Marks: 70

PART –A**(5x2=10 Marks)****Answer ALL the questions in 50 words :**

1. Define Exogenic process
2. Aeolian process
3. Define Monsoon OR Doldrums
4. Define Fog and clouds
5. Density of the sea water

PART –B**(4x5=20 Marks)****II Answer Any FOUR questions in 150 words :**

- 6 .Explain the Geomorphic process
7. Give a brief note on coastal land forms evolution?
8. Describe about the composition and structure of the atmosphere
9. Give a brief note on Tropical cyclones
10. Write a short note on Ocean Deposits.
11. Write about the Bottom and relief of Atlantic Ocean.
12. Give a short note on L.C.Kings Pedi plain concept.

PART –C**(4x10=40 Marks)****III Answer Any FOUR questions in 400 words :**

13. Elaborate the Types of weathering.
14. Write an essay on Normal cycle of Erosion
15. Elucidate about the Atmospheric pressure and General circulation of winds
16. Give a detail account on Koppen's world climatic classification.
17. Write about the Temperature and salinity of the ocean.
18. Describe about the climate change and Global warming.
19. Explain about the uses of ocean Minerals wealth.

PG-1177

MGEO-12

**M.Sc. DEGREE EXAMINATION –
DECEMBER 2020**

GEOGRAPHY

First Year

HUMAN AND SETTLEMENT GEOGRAPHY

Time: 3 Hours

Maximum Marks : 75

PART A (3 × 5 = 15 Marks)

Answer any THREE questions.

All questions carry equal marks.

1. Write a note on population composition and its characteristics.
2. Describe the problems of over population and optimum population.
3. Explain the demographic transition model.
4. Give an account on scope of settlement geography.
5. Analyse the problems of Indian villages and towns.

PART B (4 × 15 = 60 Marks)

Answer any FOUR questions.

All questions carry equal marks.

6. Write an essay on nature and scope of population geography.
7. Define migration? Discuss the causes of migration in India.
8. Analyse the problems and issues of population in developed and developing countries.
9. Discuss the views of theories in population growth.
10. Analyse the types and patterns of rural settlement.
11. Explain the resource factors with rural settlements in Indian scenario.
12. Describe the classification of towns and cities in urban settlement with reference to India.

M.Sc DEGREE EXAMINATION DECEMBER 2020**GEOGRAPHY****First Year****HUMAN AND SETTLEMENT 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. Describe the problems of the growth of the population.
2. Give an account of types of rural settlement.
3. Analyze the land use regarding urban growth.
4. Write a note on the economic characteristics of the population.
5. Bring out the impact of internal migration in India.
6. Explain the importance of optimum population theory.
7. Give an account of the development of settlement geography.
8. Write a note on the problems of Indian villages.

PART - B**(3 × 15 = 45 Marks)**

**Answer any *five* questions out of seven questions in 1000 words
All questions carry equal marks**

9. Discuss the views of Malthus's theory in population growth.
10. Analyse the significance of Von Thunen's theory in the land-use model.
11. Describe the problems and issues of the population in developed and developing countries.
12. Elaborate on the development of theory in the land-use model.
13. Discuss the types and classification of towns and cities.

PG-C-620

MGEO-13

**M.Sc. DEGREE EXAMINATION –
DECEMBER - 2020**

GEOGRAPHY

First Year

ENVIRONMENTAL GEOGRAPHY

Time: 3 Hours

Maximum Marks: 75

PART A (3 × 5 = 15 Marks)

Answer any THREE questions.

All questions carry equal marks.

1. Write a note on structure and type of environment.
2. Explain the uses of energy flow and biogeochemical cycle.
3. Give an account on environmental issues in India with suitable examples.
4. Bring out the nature and composition of biosphere.
5. Write a note on zoo-geographical regions.

PART B ($4 \times 15 = 60$ Marks)

Answer any FOUR questions.

All questions carry equal marks.

6. Write an essay on nature and scope of environmental geography.
7. Explain the concept of environment and ecology.
8. Describe the classification and components of ecosystem.
9. Analyse the causes of environmental impact assessment.
10. Discuss the environmental degradation in land and water.
11. Explain the functions and problems of biosphere.
12. Analyse the factors affecting plant growth.

M.Sc. DEGREE EXAMINATION DECEMBER 2020**Geography**

First Year

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. Write a short note on the nature and scope of environmental geography.
2. Write a note on the ecological regions of India.
3. Explain the causes of water pollution.
4. Brief on man's role in changing the biosphere.
5. List out the causes of the extinction of species.
6. Write a note on the factors and causes of water degradation.
7. Brief on nature and composition of the biosphere.
8. Explain the factors affecting plant growth.

PART - B**(3 × 15 = 45 Marks)**

Answer any *five* questions out of seven questions in 1000 words
All questions carry equal marks

9. Analyse the causes and types of environmental degradation.
10. Explain the factors affecting plant growth and its classification.
11. Critically analyse the classification and composition of the ecosystem.
12. Explain the development and composition of man's role in changing the biosphere.
13. Elaborate on the causes and impact of extinction species in India.

M.SC. DEGREE EXAMINATION – DECEMBER - 2020
Geography
FIRST YEAR

GEOGRAPHICAL THOUGHT

Time: 3 Hours

Maximum Marks: 75

PART - A

(3 x 5 = 15Marks)

Answer any Three Questions

All questions carry equal marks

1. Describe a need for a regional concept in Geography.
2. Explain the contributions of Varenus in Geography.
3. Write a brief note on Areal differentiation.
4. Discuss the Cognitive explanation in Geography.
5. Briefly account on Positivism in Geography.

Part- B

(4 x 15 = 60 Marks)

Answer any Four Questions

All questions carry equal marks

6. Write a detail note on the relationship between Systematic sciences and Systematic Geography.
7. Elaborate the nature of geographic knowledge during ancient Greek and Roman periods in Geography.
8. Elucidate a role of dualism in Physical Vs Human geography.
9. Write a detail account on the Paradigms in Geography.
10. Discuss Humanistic and Radical Approaches in Geography.
11. Write a detail summary on the foundation of modern geography.
12. Elaborate the behavioral approach in geographic learning.

M.Sc. DEGREE EXAMINATION DECEMBER 2020**Geography****First Year****GEOGRAPHICAL THOUGHT****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. Write a note on social science and natural science in geography.
2. Explain the Geographical contributions of Indian geographers.
3. Write a note on the development of Visual Vs Digital Geography.
4. Bring out the recent research in GIS studies.
5. Write a note on the development of geography in India.
6. Differentiate between qualitative and quantitative geography.
7. Analyse the growth of recent trends in Geography.
8. Explain the concept of determinism and possibilism.

PART - B**(3 × 15 = 45 Marks)**

**Answer any *five* questions out of seven questions in 1000 words
All questions carry equal marks**

9. Write an essay on Geography its place in the classification of sciences.
10. Discuss the Contribution of American School in Geography.
11. Compare the German and French contributions in physical geography.
12. Describe the importance of the GIS system and interdisciplinary research.
13. Analyse the role of the Indian School in geographical thought.

M.Sc. DEGREE EXAMINATION DECEMBER 2020**GEOGRAPHY**

Second Year

GEOGRAPHY OF INDIA**Time: 3 Hours****Maximum Marks: 75****PART - A****(3 × 5 = 15 Marks)**

**Answer any THREE questions out of Five Questions in 300 words.
All questions carry equal marks.**

1. Explain the structural characteristics of the plateau.
2. What was its impact on the natural growth rate of the population?
3. Brief on the distribution of black soils in India and their specific use for agriculture.
4. Mention the problems in the realization of benefits of globalization and liberalization in the Industrial Sector of India.
5. Explain with suitable examples of the role of road transport in agricultural development in India.

PART - B**(4 × 15 = 60 Marks)**

**Answer any FOUR questions out of Seven Questions in 1000 words.
All questions carry equal marks.**

6. Describe briefly the important characteristics of the Indian physiographic divisions regarding its location and climate.
7. Discuss the distribution and types of vegetation in India.
8. Define irrigation and discuss the types and distribution of irrigation in India.
9. Write an essay on the distribution and development of energy resources.
10. Discuss the recent international relationships of India with neighboring countries.
11. Reduction in regional disparities has been one of the priority goals of national planning in India. How the proposed new smart urban centres may contribute to the process.
12. Analyse the distribution of population in India from the perspective of natural resources and identify the over-populated and under-populated regions in the country.

M.Sc. DEGREE EXAMINATION DECEMBER 2020

GEOGRAPHY

Second Year

WORLD ECONOMIC GEOGRAPHY

Time: 3 Hours

Maximum Marks: 75

PART - A

(3 × 5 = 15 Marks)

Answer any **THREE** questions out of Five Questions in 300 words.
All questions carry equal marks.

1. Write an account of the scope and development of economic geography.
2. Brief on major inputs of manufacturing industries.
3. Write a short note on major trade blocs of the world.
4. Give an account of the distribution of gold and mica.
5. Write a note on globalization.

PART - B

(4 × 15 = 60 Marks)

Answer any **FOUR** questions out of Seven Questions in 1000 words.
All questions carry equal marks.

6. Classify the major economic activities and their importance in Geography.
7. Define transportation and analyse major transport development and its trade-in globalization.
8. Illustrate the importance of Von Thunen's agricultural model.
9. Describe the growth and development of grazing and pastoralism.
10. Write an essay on the distribution and production of iron ore in the world.
11. Explain the locational factors of major industrial regions of the world.
12. Explain the distribution and production of food crops.

M.Sc. DEGREE EXAMINATION DECEMBER 2020**Geography**

SECOND YEAR

PRINCIPLES OF GEO-INFORMATICS

Time: 3 Hours

Maximum Marks: 75

PART - A**(3 × 5 = 15 Marks)**

Answer any THREE questions out of Five Questions in 300 words.
All questions carry equal marks.

1. Give an account on DBMS.
2. Explain the importance of query in GIS.
3. Define Remote Sensing. How it differs from photogrammetry.
4. Name the important 3D models used for spatial analysis.
5. Explain the working of GPS in brief and its advantages over conventional surveying.

PART - B**(4 × 15 = 60 Marks)**

Answer any FOUR questions out of Seven Questions in 1000 words.
All questions carry equal marks.

6. Analyse the interaction of EMR with atmosphere and earth's surface features.
7. Describe the types and characteristics of sensors.
8. Discuss the recent development of Indian remote sensing satellites.
9. Explain the scope, functions, and components of GIS.
10. Write an essay on the types and scope of remote sensing.
11. Explain the method of data input and various methods of spatial analysis used in topographical studies.
12. Define GPS receivers, and Discuss the different applications of GPS in geographical studies.