

U.G. DEGREE EXAMINATION – JULY 2024.

Geography

First Semester

GEOMORPHOLOGY

Time : 3 hours

Maximum marks : 70

SECTION A — ($3 \times 3 = 9$ marks)

Answer any THREE questions out of Five questions
in 100 words.

All questions carry equal marks.

1. Write briefly on scope of geomorphology.
2. Give an account on Isostasy.
3. Explain physical weathering.
4. Write a note on outwash plain.
5. Explain sinkhole.

SECTION B — ($3 \times 7 = 21$ marks)

Answer any THREE questions out of Five questions
in 200 words.

All questions carry equal marks.

6. Draw and explain structure of the interior earth.
7. Illustrate seafloor spreading.
8. Examine on mass wasting and its types.
9. Explain briefly Davis concept - cycle of erosion.
10. Describe coastal depositional landforms.

SECTION C — ($4 \times 10 = 40$ marks)

Answer any FOUR questions out of Seven questions
in 500 words.

All questions carry equal marks.

11. Describe the formation and characteristics of igneous rocks.
12. Explain types of folds and faults with neat illustration.

13. Explain in detail about plate tectonics theory.
 14. Describe cause and consequences of earthquake.
 15. Write a detail essay on cycle of erosion by Penck.
 16. Illustrate the erosional and depositional land forms by river
 17. Examine how you will apply geomorphology knowledge in coastal zone management
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**U.G. DEGREE EXAMINATION —
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Geography

First Semester

GENERAL CARTOGRAPHY

Time : 3 hours

Maximum marks : 70

PART A — ($3 \times 3 = 9$ marks)

**Answer any THREE questions out of Five questions in
100 words.**

All questions carry equal marks.

1. Define the term cartography.
2. What is scale?
3. What is Standard Parallel?
4. Give a brief note on toponomy.
5. Explain map reproduction.

PART B — ($3 \times 7 = 21$ marks)

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

All questions carry equal marks.

6. Briefly describe development of cartography.
7. Explain the importance of directions.
8. Examine what all the criteria should consider for choice of projection.
9. What are the techniques can use for interpretation of Thematic Maps.
10. Describe steps which involves for map compilation and generalization.

PART C — ($4 \times 10 = 40$ marks)

Answer any FOUR questions out of Seven questions in
500 words.

All questions carry equal marks.

11. Justify earth as a cartographic problem in the perception of shape, gravity and dimensions.
12. Illustrate on geographic coordinates.

13. Write attributes and properties for cylindrical equal area projection.
 14. Describe the importance of symbolization in map production.
 15. Examine with suitable example of choropleth map.
 16. Illustrate the enlargement and reduction methods.
 17. Explain the visual interpretation.
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**U.G. DEGREE EXAMINATION —
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Geography

First Semester

GENERAL GEOLOGY

Time : 3 hours

Maximum marks : 70

PART A — ($3 \times 3 = 9$ marks)

**Answer any THREE questions out of Five questions in
100 words.**

All questions carry equal marks.

- 1. Explain solar system.**
- 2. What is graben?**
- 3. Give a note on cephalopods.**
- 4. Define mineralogy.**
- 5. Grit belongs to which rock material?**

PART B — ($3 \times 7 = 21$ marks)

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

All questions carry equal marks.

6. Describe composition of the interior of the earth.
7. Explain types of folds with neat diagram.
8. What are all the modes of preservation and uses of fossils?
9. Examine the morphological characters of crystals.
10. Describe the properties of conglomerate, sandstone, arkose.

PART C — ($4 \times 10 = 40$ marks)

Answer any FOUR questions out of Seven questions in
500 words

All questions carry equal marks.

11. Explain Concepts of continental drift by Wegner.
12. Write in detail the important methods of determining the age of the earth.
13. Describe types of joints with diagrams.
14. Describe the geological time scale.

15. Write definition, physical properties and description of the following: Quartz and its varieties, Orthoclase, Albite, Anorthite, Homblende, Hypersthene, Olivine.
 16. Describe the following: anorthosite, dolerite, and Basalt.
 17. Describe the following: slate, phyllite, schist, gneiss, quartzite, and marble.
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**U.G. DEGREE EXAMINATION —
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Geography

Second Semester

CLIMATOLOGY AND OCEANOGRAPHY

Time : 3 hours

Maximum marks : 70

PART A — ($3 \times 3 = 9$ marks)

**Answer any THREE questions out of Five questions in
100 words.**

All questions carry equal marks.

- 1. Define weather and climate.**
- 2. Give an account on atmospheric pressure.**
- 3. What is condensation?**
- 4. Give a brief note about koppen.**
- 5. Explain about tides.**

PART B — ($3 \times 7 = 21$ marks)

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

All questions carry equal marks.

6. Explain heat budget with neat diagram.
7. Illustrate on planetary winds.
8. Examine what is precipitation and write its types.
9. Explain Thornthwaite's classification of Climate.
10. Describe the coral reefs and its types.

PART C — ($4 \times 10 = 40$ marks)

Answer any FOUR questions out of Seven questions
in 500 words.

All questions carry equal marks.

11. Draw and explain the structure of the atmosphere.
12. Describe in detail about Indian monsoon.
13. Explain in detail about clouds and its types.
14. Describe on air masses and front types.

15. Examine the Koppen's classification of climate.
 16. Illustrate the circulation of oceanic water.
 17. Explain the currents of the Indian Ocean.
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**U.G. DEGREE EXAMINATION —
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Geography

Second Semester

STATISTICS

Time : 3 hours

Maximum marks : 70

PART A — ($3 \times 3 = 9$ marks)

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

All questions carry equal marks.

- 1. Give a brief note on significance of statistical methods in geography.**
- 2. What is Cross Tabulation?**
- 3. Give a note on Sampling.**
- 4. Define Probability.**
- 5. What is correlation?**

PART B — ($3 \times 7 = 21$ marks)

Answer any THREE questions out of Five questions in
200 words

All questions carry equal marks.

6. Describe the sources of data.
7. Explain the Centographic techniques.
8. Explain with examples — Random sampling.
9. Examine the theoretical distribution.
10. Explain on product moment correlation.

PART C — ($4 \times 10 = 40$ marks)

Answer any FOUR questions out of Seven questions
in 500 words

11. Explain scales of measurement.
12. Describe central tendency.
13. Explain standard deviation, variance and coefficient of variation.
14. Describe the types of samplings in detail with suitable examples.

15. Examine normal distributions.
 16. Describe the rank correlation.
 17. Describe the simple regression.
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**U.G. DEGREE EXAMINATION —
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Geography

Third Semester

HUMAN GEOGRAPHY

Time : 3 hours

Maximum marks : 70

PART A — (3 × 3 = 9 marks)

**Answer any THREE questions out of Five questions in
100 words.**

All questions carry equal marks.

1. Human Geography
2. Language
3. Population Growth Rate
4. Dispersed Settlements
5. Urbanization

PART B — ($3 \times 7 = 21$ marks)

Answer any THREE questions out of Five question in
200 words

All questions carry equal marks

6. Explain the branches of human geography.
7. Give an account on Caucasoid race.
8. Write a note on population composition.
9. Bring out the morphology of rural settlements.
10. Explain the factors influencing the urbanization process.

PART C — ($4 \times 10 = 40$ marks)

Answer any FOUR questions out of Seven questions
in 500 words

All questions carry equal marks

11. Explain the nature and scope of human geography.
12. Discuss the major religions of the world.
13. Explain demographic transition theory.

14. Discuss the types and patterns of rural settlements.
 15. Give an account on functional classification of urban centres.
 16. Explain the factors affecting the distribution of population.
 17. What are elements taken to classify the races? Explain.
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U.G. DEGREE EXAMINATION — JULY 2024.

Geography

Third Semester

GEOGRAPHY OF HEALTH AND WELLBEING

Time : 3 hours

Maximum marks : 70

SECTION A — ($3 \times 3 = 9$ marks)

Answer any **THREE** questions out of Five questions
in 100 words.

All questions carry equal marks.

1. Health
2. Industrialization
3. Epidemic diseases
4. Diseases
5. Heat and Cold Waves

SECTION B — ($3 \times 7 = 21$ marks)

Answer any THREE questions out of Five questions
in 200 words.

All questions carry equal marks.

6. Briefly explain about the urbanization and health.
7. Illustrate the agricultural development leads to pressure on the quality of environment and health.
8. Write a short note on Covid-19.
9. What are communicable diseases? Explain.
10. Bring out the importance of nutrition in health management.

SECTION C — ($4 \times 10 = 40$ marks)

Answer any FOUR questions out of Seven questions
in 500 words.

All questions carry equal marks.

11. What are the driving forces of health? Explain.
12. Describe the types of land uses.
13. Explain about air pollution and its impacts on health.

14. Describe the types of lifestyle related diseases.
 15. Discuss the inequality in India with example.
 16. Illustrate the water pollution impacts on health.
 17. Write an account on health care delivery system.
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**U.G. DEGREE EXAMINATION –
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Geography

Third Semester

GEOGRAPHY OF TOURISM

Time : 3 hours

Maximum marks : 70

PART A — ($3 \times 3 = 9$ marks)

**Answer any THREE questions out of Five question in
100 words.**

All questions carry equal marks.

- 1. Recreation**
- 2. Geo-Tourism**
- 3. International Tourism**
- 4. List out the disadvantages of tourism**
- 5. Accommodation.**

PART B — ($3 \times 7 = 21$ marks)

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

All questions carry equal marks.

6. Briefly explain the issues of tourism.
7. List out the factors for medical tourism development.
8. Give an account on nature tourism in India.
9. Discuss the impacts of tourism on environment.
10. Bring out the India's world heritage sites.

PART C — ($4 \times 10 = 40$ marks)

Answer any FOUR questions out of seven questions in
500 words.

All questions carry equal marks.

11. Explain the geographical parameters of tourism by Robinson.
12. Describe the trends and patterns of tourism.

13. Write an essay on eco-tourism.
 14. Illustrate the consequences of tourism.
 15. Discuss on National Tourism Policy.
 16. Give the tourism infrastructure in India.
 17. What are the types of VISA? Explain.
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**U.G. DEGREE EXAMINATION -
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Geography

Fourth Semester

WORLD REGIONAL GEOGRAPHY

Time : 3 hours

Maximum marks : 70

SECTION A — ($3 \times 3 = 9$ marks)

**Answer any THREE questions out of Five Questions
in 100 words.**

All questions carry equal marks.

1. Concept of Region
2. Selva's region
3. Climate of Mediterranean Region
4. Natural vegetation in British type region
5. List out the climatic conditions in ice-capped region.

SECTION B — ($3 \times 7 = 21$ marks)

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

All questions carry equal marks.

6. Give the major climatic regions of the world with location.
7. Illustrate the climatic conditions of tropical desert regio.
8. Explain the economic activities of China type region.
9. Discuss the economic development in Siberian region.
10. Bring out the human life in ice-caped region.

SECTION C — ($4 \times 10 = 40$ marks)

Answer any FOUR questions out of Seven questions in
500 words.

All questions carry equal marks.

11. Describe the human life and economic development in equatorial region.
12. Bring out the climate, natural vegetation and animal life in tropical monsoon region.

13. Explain the geographical features of temperate grassland region.
 14. Illustrate the salient features of Laurentian type region.
 15. Explain the extreme geographical conditions of Tundra region.
 16. Discuss about the types of region.
 17. Write an essay on dense population in monsoon region.
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U.G. DEGREE EXAMINATION – JULY, 2024.

Geography

Fourth Semester

INFORMATION TECHNOLOGY

Time : 3 hours

Maximum marks : 70

PART A — ($3 \times 3 = 9$ marks)

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

All questions carry equal marks.

1. Artificial Intelligence
2. Main Memory
3. Internet
4. Application Software
5. Web Mapping

PART B — ($3 \times 7 = 21$ marks)

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

All questions carry equal marks.

6. Briefly explain the input and output devices of digital computer.
7. Illustrate on compiler and interpreter.
8. Give a note on computer net working.
9. Explain about MS – Word.
10. Give the classification of web maps.

PART C — ($4 \times 10 = 40$ marks)

Answer any FOUR questions out of Seven questions in
500 words.

All questions carry equal marks.

11. Write an essay on generation of modern computers.
12. What is high-level language? Explain.
13. Discuss about cloud computing.
14. Describe the uses of power-point.

15. Explain the mobile applications in a detailed manner.
 16. Illustrate the uses of computers in geography.
 17. In what way internet helps to geographical studies? Explain.
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**U.G. DEGREE EXAMINATION —
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Geography

Fifth Semester

GEOGRAPHY OF TAMILNADU

Time : 3 hours

Maximum marks : 70

PART A — (3 × 3 = 9 marks)

Answer any THREE questions.

1. Define climate.
2. List out the major canals of Tamilnadu.
3. Give reason for wide spread distribution of textiles in Tamilnadu.
4. List out the airports in Tamilnadu.
5. What is Migration?

PART B — ($3 \times 7 = 21$ marks)

Answer any THREE of the following.

6. Explain the Types of rainy seasons in Tamilnadu.
7. Write an short note on animal husbandry
8. What are the factors influencing the location of industry in Tamilnadu.
9. List out the Factors Influencing the distribution of population in Tamilnadu.
10. Write a short note on railways in Tamilnadu.

PART C — ($4 \times 10 = 40$ marks)

Answer any FOUR of the following.

11. Classify the different types of natural vegetation in Tamilnadu.
12. Explain the different types of soil in Tamilnadu.
13. What are the steps taken by the state government in improving agricultural?
14. Give an account on Classification of minerals in Tamilnadu.
15. Write a brief account of Trade in Tamilnadu.
16. Elaborate on factor influencing migration in Tamilnadu.
17. Elucidate on types of industries of Tamilnadu.

**U.G. DEGREE EXAMINATION —
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Geography

Fifth Semester

FUNDAMENTALS OF REMOTE SENSING

Time : 3 hours

Maximum marks : 70

PART A — ($3 \times 3 = 9$ marks)

Answer any **THREE** questions.

1. What is Remote Sensing?
2. Define active remote sensing.
3. Define Satellite.
4. Texture.
5. Resolution.

PART B — ($3 \times 7 = 21$ marks)

Answer any **THREE** of the following.

6. Classify different types of remote sensing.
7. Explain EMR.

8. Write a short note on space borne platform.
9. What is Aerial Photo?
10. Differentiate active and passive sensor.

PART C — ($4 \times 10 = 40$ marks)

Answer any FOUR of the following.

11. Describe the origin and development of Remote Sensing.
12. “Sun energy interact with Earth Feature” – How?
13. What are the steps involved in collecting remote sensing data?
14. Write an account on Sensor.
15. Explain in detail about the marginal information of Aerial Photo.
16. Classify different types of Satellite.
17. What is resolution? Explain different types of resolution.

U.G. DEGREE EXAMINATION — JULY 2024**Fifth Semester****GEOGRAPHY OF SETTLEMENT****Time : 3 hours****Maximum marks : 70****SECTION A — ($3 \times 3 = 9$ marks)****Answer any THREE questions.**

1. What is settlement Geography?
2. What is morphology of rural Geography?
3. Explain the nature and scope of Urbanization.
4. What are the zones in concentric zone theory?
5. Define Rank Size Rule.

SECTION B — ($3 \times 7 = 21$ marks)**Answer any THREE of the following.**

6. What is the fundamental concept of settlement Geography.
7. List out the characteristics and features of rural geography.

8. What are the factors influencing urbanization.
9. List out the characteristic of CBD.
10. Write a short on Urban Problem.

SECTION C — ($4 \times 10 = 40$ marks)

Answer any FOUR of the following.

11. Elaborate on Nature and scope of settlement geography.
 12. Explain the type and pattern of settlement.
 13. Describe the rural problem and planning.
 14. Write an account on urbanization in India.
 15. Classify functional classification of urban center.
 16. Explain the structure of Rural Urban Fringe.
 17. Explain the concept of Harris and Ullman Theory.
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**U.G. DEGREE EXAMINATION —
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Fifth Semester

DISASTER STUDIES

Time : 3 hours

Maximum marks : 70

SECTION A — ($3 \times 3 = 9$ marks)

Answer any THREE questions.

1. Define vulnerability.
2. What is the cause of landslide?
3. Define Tsunami.
4. What are the cause of biological disorder?
5. What are the activities involved in relocation effects?

SECTION B — ($3 \times 7 = 21$ marks)

Answer any THREE of the following.

6. Explain the different types of sector of vulnerability.
7. Explain the effect of flood?

8. What are the do's and don't during and after earthquake?
9. Write short notes on atmospheric hazard.
10. List out the function and responsibility of NDMA.

SECTION C — ($4 \times 10 = 40$ marks)

Answer any FOUR of the following.

11. Write an account on natural disaster.
12. List out the do's and don'ts before, during and after the flood.
13. Write a brief account on cause and impact of landslide.
14. Explain cyclone and the measures adopted for protection of cyclone.
15. Write an account on Bhopal gas tragedy.
16. Elaborate on objective of Tamilnadu state policy on disaster management.
17. Explain the work of community based disaster management?

U.G. DEGREE EXAMINATION — JULY 2024

Fifth Semester

BIO-GEOGRAPHY

Time : 3 hours

Maximum marks : 70

PART A — ($3 \times 3 = 9$ marks)

Answer any **THREE** questions.

1. What is the scope of biogeography?
2. Define Biome.
3. What is desertification?
4. What are the main types of Forest?
5. What is ecological Region?

PART B — ($3 \times 7 = 21$ marks)

Answer any **THREE** of the following.

6. What is Ecosystem?
7. Discuss the process of desertification.

8. Write an account on distribution of biome.
9. What is the ecological sensitivity of western Ghats?
10. Write a short note on Tropical desert.

PART C — ($4 \times 10 = 40$ marks)

Answer any FOUR of the following.

11. Explain the distribution of animal life on the earth.
 12. Write an account on Process of ecosystem.
 13. Discuss the problem related to plant life.
 14. Write an account of conservation of ecology.
 15. What is the ecology of Himalayas?
 16. How do industrial effect the aquatic flora and fauna?
 17. Write an account on tropical rainforest.
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**U.G. DEGREE EXAMINATION —
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Geography

GEOGRAPHY OF INDIA

Time : 3 hours

Maximum marks : 70

PART A — ($3 \times 3 = 9$ marks)

**Answer any THREE questions out of five questions
in 100 words.**

All questions carry equal marks.

- 1. The Great Himalaya.**
- 2. Shifting Agriculture.**
- 3. Coal.**
- 4. Iron and Steel Industry.**
- 5. Migration.**

PART B — ($3 \times 7 = 21$ marks)

Answer any THREE questions out of Five questions
in 200 words.

All questions carry equal marks.

6. Explain the Characteristics of the Great Indian Desert.
7. What are the methods of Rice Cultivation?
8. What are the major Iron Ore deposits in India?
9. Describe the minor industrial regions of India.
10. What are the reasons for Migration?

PART C — ($4 \times 10 = 40$ marks)

Answer any FOUR questions out of Seven questions
in 500 words.

All questions carry equal marks.

11. Elaborate on the Physiographical Divisions of India.
12. Explain the types of Farming.
13. What are the advantages of Hydro Power?
14. Explain the Classification of Industries.

15. Elaborate on types of Roads.
 16. Explain the Indus River System.
 17. What are the important lakes in India?
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**U.G. DEGREE EXAMINATION —
JULY 2024.**

Geography

Sixth Semester

FUNDAMENTALS OF GIS AND GNSS

Time : 3 hours

Maximum marks : 70

PART A — (3 × 3 = 9 marks)

**Answer any THREE questions out of Five questions in
100 words.**

All questions carry equal marks.

1. GIS.
2. Resolution.
3. Buffer Analysis.
4. Symbology.
5. GNSS.

PART B — ($3 \times 7 = 21$ marks)

Answer any THREE questions out of Five questions in 200 words.

All questions carry equal marks.

6. What are the components of GIS?
7. Describe the types of Measurement Scale.
8. Explain the Raster Analysis Tools Techniques.
9. Explain Cartographic Symbolisation.
10. Brief out the evolution of the GPS.

PART C — ($4 \times 10 = 40$ marks)

Answer any FOUR questions out of Seven questions in 500 words.

All questions carry equal marks.

11. Describe the Spatial Data Structure.
12. What are the Components of Data Quality?
13. Explain the Network Analysis Operation.
14. Elaborate on Map Design.
15. Elaborate the Working Functions of GPS.
16. What are the different types of scales of Raster Analysis?
17. What are the applications of GPS?

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U.G. DEGREE EXAMINATION — JULY 2024

Geography

Sixth Semester

ECONOMIC GEOGRAPHY

Time : 3 hours

Maximum marks : 70

PART A — ($3 \times 3 = 9$ marks)

**Answer any THREE questions out of Five questions in
100 words.**

All questions carry equal marks.

1. Economic Geography
2. Agglomeration Effect
3. Commercial Fishing
4. Cotton Textile Industry
5. Pipeline

PART B — ($3 \times 7 = 21$ marks)

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

All questions carry equal marks.

6. What are the key concepts in Economic Geography?
7. Brief out criticism of the Von Thunen Model.
8. What is the difference between Subsistence Farming and Commercial Farming?
9. Explain the challenges of the Cotton Textile Industry in India.
10. Brief out the Trade Indicators.

PART C — ($4 \times 10 = 40$ marks)

Answer any FOUR questions out of Seven questions in
500 words.

All questions carry equal marks.

11. Elaborate on different types of approaches in Economic Geography.
12. Explain Von Thunen's Location Theory.
13. What are the types of Commercial Farming?

14. Elaborate growth and development of the Cotton Industry in India.
 15. Explain the Maritime Transportation.
 16. Explain the Major Fishing Grounds of the world.
 17. State the importance of ICT.
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U.G. DEGREE EXAMINATION – JULY, 2024.

Geography

Sixth Semester

POPULATION GEOGRAPHY

Time : 3 hours

Maximum marks : 70

PART A — ($3 \times 3 = 9$ marks)

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

All questions carry equal marks.

1. Population Geography
2. Demographic Transition
3. Fertility
4. Dependency Ratio
5. Gender Equity

PART B — ($3 \times 7 = 21$ marks)

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

All questions carry equal marks.

6. What is the systematic nature of population Geography?
7. Describe the Criticism of Malthusian Theory.
8. What are the factors influencing Fertility?
9. Explain the importance of Age-Sex Composition.
10. What are the Consequences of Aging Population?

PART C — ($4 \times 10 = 40$ marks)

Answer any FOUR questions out of Seven questions in
500 words.

All questions carry equal marks.

11. What are the significance of the sources of population data in India?
12. Elaborate on Malthusian Theory.
13. What are the types of Migration?
14. Explain the types of Population Pyramids.

15. Describe Occupational Structure.
 16. Explain India's population growth into four distinct phases.
 17. What are the Goals initiated for Environmental Sustainability?
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