

SECOND SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, APRIL 2022

(CBCSS)

Geography

GRY 2C 08—POPULATION GEOGRAPHY

(2019 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

General Instructions

1. *In cases where choices are provided, students can attend all questions in each section.*
2. *The minimum number of questions to be attended from the Section / Part shall remain the same.*
3. *The instruction if any, to attend a minimum number of questions from each sub section / sub part / sub division may be ignored.*
4. *There will be an overall ceiling for each Section / Part that is equivalent to the maximum weightage of the Section / Part.*

Section A

- I. Write short note on any *four* of the following. Answer should not exceeding 100 words. Draw appropriate maps/diagrams wherever applicable. All questions carry equal weightage :
- 1 Balanced population growth.
 - 2 Fertility Ratio.
 - 3 Demography.
 - 4 Refugees.
 - 5 The Census.
 - 6 Population change.
 - 7 Age and sex composition.

(4 × 2 = 8 weightage)

Section B

II. Write short essay on any *four* of the following. Answer should not exceeding 300 words. Draw appropriate maps/diagrams wherever applicable. All questions carry equal weightage :

- 8 Differentiate push factors and pull factors of migration.
- 9 Evaluate the population policy of India.
- 10 Problems in the quality and reliability of population data.
- 11 Discuss the Ricardo theory of population growth.
- 12 Describe about the occupational structure of India.
- 13 Compare the population problems in developing and developed countries.
- 14 Laws of migration by Ravenstein.

(4 × 3 = 12 weightage)

Section C

III. Write essay on any *two* of the following. Answer should not exceeding 500 words. Draw appropriate maps/diagrams wherever applicable. All questions carry equal weightage :

- 15 Give an account on population geography of India.
- 16 Analyse the theory of Demographic transition.
- 17 Examine the problems and prospects of India's population Growth.
- 18 The scope of population Geography and its Recent Developments.

(2 × 5 = 10 weightage)

SECOND SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, APRIL 2022

(CBCSS)

Geography

GRY 2C 07—RESEARCH METHODS IN GEOGRAPHY

(2019 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

General Instructions

1. *In cases where choices are provided, students can attend all questions in each section.*
2. *The minimum number of questions to be attended from the Section / Part shall remain the same.*
3. *The instruction if any, to attend a minimum number of questions from each sub section / sub part / sub division may be ignored.*
4. *There will be an overall ceiling for each Section / Part that is equivalent to the maximum weightage of the Section / Part.*

Section A

- I. Write short note on any *four* of the following. Answer should not exceeding 100 words. Draw appropriate maps/diagrams wherever applicable. All questions carry equal weightage :

- 1 Intellectual Property Rights.
- 2 Define Hypothesis.
- 3 Discourse analysis.
- 4 Foot notes.
- 5 Sampling techniques.
- 6 Quantitative data.
- 7 Citation Index.

(4 × 2 = 8 weightage)

Turn over

Section B

II. Write short essay on any *four* of the following. Answer should not exceeding 300 words. Draw appropriate maps/diagrams wherever applicable. All questions carry equal weightage :

- 8 Explain the difference between Abstract and synopsis.
- 9 What are the research paradigms in Geography ?
- 10 Bring out the difference between structured and semi structured interview.
- 11 Elaborate Quantitative and Qualitative research with examples.
- 12 How Observation method is associated with Geographic research ?
- 13 Describe about the nature of Geographical research.
- 14 What are the importance of Field books and Graphs ?

(4 × 3 = 12 weightage)

Section C

III. Write essay on any *two* of the following. Answer should not exceeding 500 words. Draw appropriate maps/diagrams wherever applicable. All questions carry equal weightage :

- 15 Explain the concept of Research design.
- 16 Write an essay about the review of literature.
- 17 Discuss the different types of data collection methods.
- 18 Describe the role of geostatistics in research applications.

(2 × 5 = 10 weightage)

SECOND SEMESTER M.Sc. DEGREE [REGULAR/SUPPLEMENTARY]
EXAMINATION, APRIL 2022

(CBCSS)

Geography

GRY 2C 06—REGIONAL PLANNING AND DEVELOPMENT

(2019 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

General Instructions

1. *In cases where choices are provided, students can attend all questions in each section.*
2. *The minimum number of questions to be attended from the Section/Part shall remain the same.*
3. *The instruction if any, to attend a minimum number of questions from each sub section / sub part / sub division may be ignored.*
4. *There will be an overall ceiling for each Section / Part that is equivalent to the maximum weightage of the Section / Part.*

Section A

- I. Write short note on any *four* of the following. Answer should not exceeding 100 words. Draw appropriate maps/diagrams wherever applicable. All questions carry equal weightage :
- 1 Concept of Region.
 - 2 Sustainable development of region.
 - 3 Characteristics of Underdeveloped Regions.
 - 4 Mahala Nobis Model in India.
 - 5 Millennium Development Goals and UN Agenda 21.
 - 6 Poverty.
 - 7 Core Peripheral model of J. Friedmann.

(4 × 2 = 8 weightage)

Section B

II. Write short essay on any *four* of the following. Answer should not exceeding 300 words. Draw appropriate maps/diagrams wherever applicable. All questions carry equal weightage :

- 8 Describe the Vicious Cycle of Poverty.
- 9 Elucidate Schumpeterian Theory of Economic Development.
- 10 Explain the Myrdal Theories of Circular Causation.
- 11 What are the indicators of Regional Planning ?
- 12 What are the types and nature of economic system ?
- 13 Estimate Francis Perroux's Growth Pole Theory.
- 14 Explain the Hierarchy and Types of Regional Planning?

(4 × 3 = 12 weightage)

Section C

III. Write essay on any *two* of the following. Answer should not exceeding 500 words. Draw appropriate maps/diagrams wherever applicable. All questions carry equal weightage :

- 15 Evaluate the factors affecting regional planning and development.
- 16 Suggest sustainable development strategies for a balanced regional development.
- 17 Evaluate the achievements and failures of Indian Five Year Plans.
- 18 Explain the indicators of regional imbalances or disparities in India.

(2 × 5 = 10 weightage)

SECOND SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, APRIL 2022

(CBCSS)

Geography

GRY 2C 05—GEOGRAPHIC INFORMATION SYSTEM

(2019 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

General Instructions

1. *In cases where choices are provided, students can attend all questions in each section.*
2. *The minimum number of questions to be attended from the Section/Part shall remain the same.*
3. *The instruction if any, to attend a minimum number of questions from each sub section/sub part/sub division may be ignored.*
4. *There will be an overall ceiling for each Section/Part that is equivalent to the maximum weightage of the Section/Part.*

Section A

- I. Write short note on any *four* of the following. Answer should not exceed 100 words. Draw appropriate maps/diagrams wherever applicable. All questions carry equal weightage
- 1 Data generalization.
 - 2 Latitudes.
 - 3 Non-spatial data.
 - 4 GRID.
 - 5 Spatial interpolation.
 - 6 Cloud GIS.
 - 7 Open GIS data.

(4 × 2 = 8 weightage)

Section B

II. Write short essay on any *four* of the following. Answer should not exceed 300 words. Draw appropriate maps/diagrams wherever applicable. All questions carry equal weightage :

- 8 Write a brief note on historical development of GIS.
- 9 Explain about the relationship between co-ordinate systems and map projections in GIS.
- 10 Define GIS data and discuss the significant of GIS data in various geographical research
- 11 Define SQL and explain its significances in GIS research works.
- 12 Differentiate between vector data analysis and raster data analysis.
- 13 What are the advantages of spatial interpolation in geographical research work ?
- 14 Discuss about the principle functions in GIS to analyse land use change

(4 × 3 = 12 weightage)

Section C

III. Write essay on any *two* of the following. Answer should not exceed 500 words. Draw appropriate maps/diagrams wherever applicable. All questions carry equal weightage :

- 15 Write about major components of GIS and explain about its various approaches.
- 16 Define Geodesy and discuss its various branches.
- 17 Explain about modelling spatial data and write in detail about data models used in GIS.
- 18 Write a detailed account on the application of GIS in groundwater potential zone assessment in a watershed with suitable case studies.

(2 × 5 = 10 weightage)