

**SECOND SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, APRIL 2021**

(CBCSS)

Geography

GRY 2C 08—POPULATION GEOGRAPHY

(2019 Admissions)

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. *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 Crude Birth Rate.
 - 2 Optimum Population.
 - 3 Density of Population.
 - 4 Sex Composition.
 - 5 Types of Internal Migrations.
 - 6 Vital Statistics.
 - 7 Push factors.

(2 × 4 = 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 Evaluate Malthus theory of Population.
 - 9 Discuss the problems of spatial distribution of world population.

Turn over

- 10 Estimate the strategies that promote the inclusive growth of gender, trans gender and differently-abled
- 11 What are the major attributes of population ?
- 12 Describe about the population resource regions by Ackerman.
- 13 Discuss about the factors of population growth in India.
- 14 What is called occupational structure ?

(3 × 4 = 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 Write an essay on the determinants of Migration.
- 16 Evaluate the demographic transition theory of population with examples.
- 17 Suggest sustainable development strategies for a balanced population distribution.
- 18 Describe the problems of population growth in developing countries.

(2 × 5 = 10 weightage)

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Geography

GRY 2C 07—RESEARCH METHODS IN GEOGRAPHY

(2019 Admissions)

Time : Three Hours

Maximum : 30 Weightage

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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 Empirical Research.
- 2 Geostatistics.
- 3 Field Observations.
- 4 Hypothesis.
- 5 Sampling techniques.
- 6 Research Design.
- 7 Contextual Analysis.

(4 × 2 = 8 weightage)

Section B

II. Write short note 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 qualitative and quantitative approaches.
- 9 Explain about Participatory Action Research.

Turn over

- 10 Write about the importance of remotely sensed imagery.
- 11 Characteristics of Semi-structured interviews.
- 12 What are the Purpose of literature review ?
- 13 Explain about need of tables and foot notes.
- 14 What are the importance of research design ?

(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 What is the contemporary scope of doing research in Geography ?
- 16 Write about the research steps in Geography.
- 17 What are the geo-spatial techniques used in research output ?
- 18 How statistics describe and explore geographical data ?

(2 × 5 = 10 weightage)

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(CBCSS)

Geography

GRY 2C 06—REGIONAL PLANNING AND DEVELOPMENT

(2019 Admissions)

Time : Three Hours

Maximum : 30 Weightage

General Instructions

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Part 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 Functional region.
- 2 Spatial planning.
- 3 Watershed based planning.
- 4 Cumulative causation.
- 5 73rd constitutional amendment.
- 6 Backwash effect.
- 7 Dialectical Materialism.

(4 × 2 = 8 weightage)

Part 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 Briefly explain the Significance of regional planning.
- 9 Explain in brief the applicability of input-output model in spatial planning.

Turn over

- 10 Discuss the model of limits to growth.
- 11 Explain the characteristics of underdeveloped regions.
- 12 Describe the impact of globalization on Indian planning.
- 13 Critically examine Rostow's Model of Development.
- 14 Give an account on the obstacles in regional development.

(4 × 3 = 12 weightage)

Part 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 Explain the scope and trends in regional planning with special reference to India.
- 16 Briefly discuss the significance of Growth pole theory.
- 17 Give an account on the Millennium Development goals of UN Agenda.
- 18 Evaluate the progress of five year plans in India.

(2 × 5 = 10 weightage)

**SECOND SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
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(CBCSS)

Geography

GRY 2C 05—GEOGRAPHIC INFORMATION SYSTEM

(2019 Admissions)

Time : Three Hours

Maximum : 30 Weightage

General Instructions

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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 Database system. | 2 Data and Information. |
| 3 WGS84. | 4 SQL. |
| 5 Spaghetti model. | 6 IDW. |
| 7 Metadata. | |

(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 Account on the components of Geographical Information System.
- 9 What are the advantages of DBMS over a conventional system.
- 10 Explain the nature and characteristics of vector data representation.

Turn over

- 11 Explain geographic and projected co-ordinate systems.
- 12 Differentiate and compare the raster and vector data models.
- 13 Define datum and explain geodetic and vertical datum.
- 14 Explain the topological relations and its uses.

(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 Explain the importance of compressing the raster data and the techniques used to encode raster data.
- 16 Describe the application of GIS in watershed management.
- 17 Write an essay on DBMS and explain its types, functions and components.
- 18 Briefly explain the historical development of GIS.

(2 × 5 = 10 weightage)