

**FIRST SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, NOVEMBER 2021**

(CBCSS)

Geography

GRY 1C 04—PHYSICAL GEOGRAPHY OF INDIA

(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 Easterly Jet.
- 2 The Trans Himalayas
- 3 The four Rock System of India.
- 4 West flowing Peninsular rivers.
- 5 Khadar and Bhangar.
- 6 The Rann of Kutch Dispute.
- 7 The Deccan trap.

(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 What are the changes caused by Tsunamis in India ?
- 9 Explain how tropical cyclones affecting Indian coasts.
- 10 Discuss the evolution of Himalayas.
- 11 Differentiate Himalayan and Peninsular River Systems.
- 12 India is a land of potentialities. Substantiate the statement.
- 13 Where are the flood prone regions in India ?
- 14 Explain the bio-geographical zones of India.

(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 are the factors influencing the climate of India.
- 16 Describe about the Physiographic divisions of India.
- 17 Write about major soil types in India with its distribution.
- 18 What are the factors influencing diversity of Vegetation found in India.

(2 × 5 = 10 weightage)

**FIRST SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
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Geography

GRY 1C 03—CONCEPTS AND TRENDS IN GEOGRAPHY

(2019 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

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Section A

1. 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 Environment.
 - 2 Deductive approach
 - 3 Regionalism.
 - 4 Geostatistics.
 - 5 Liberals.
 - 6 Transgender Movement.
 - 7 Feminist geography.

(4 × 2 = 8 weightage)

Section B

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

- 8 Describe the scope of geography as a science.
- 9 Bring out the major limitations and prospects of models in Geography.
- 10 Justify the importance of spatial thinking in geography.
- 11 Discuss about application of mathematics and statistics in Geographical studies.
- 12 Write a brief note on Marxist geography.
- 13 Explain about the significance of theories in geography.
- 14 Define structuralism as the question of social relevance.

(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 an essay on historical development of geography.
- 16 Define and justify Tobler's first law of geography with suitable example.
- 17 Write an essay on the Schafer's view point of considering geography as spatial science.
- 18 Discuss about Partisan 5's four Tradition in geography.

(2 × 5 = 10 weightage)

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Geography

GRY 1C 02—CLIMATOLOGY

(2019 Admission onwards)

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 exceeding 100 words. Draw appropriate maps/diagrams wherever applicable. All questions carry equal weightage :

- 1 Jet streams.
- 2 Hail storms.
- 3 Albedo.
- 4 Cloud burst.
- 5 Blizzard.
- 6 El Nino.
- 7 Cold Front.

(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 Explain the mechanism of heat balance of the earth.
- 9 Properties and types of Airmasses.

Turn over

- 10 Evaluate the concept of ozone depletion.
- 11 Differentiate micro and macro climate.
- 12 What are the impacts of Green House Effect.
- 13 Theories of Climate Change.
- 14 Baroclinal Theory.

(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 Urban climate and its impacts.
- 16 Evaluate the Climatic classification of Koppen.
- 17 Explain the Zonal circulation of the atmosphere.
- 18 Describe Scope and content of climatology.

(2 × 5 = 10 weightage)

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Geography

GRY 1C 01—GEOMORPHOLOGY

(2019 Admission onwards)

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 Structural Geomorphology.
 - 2 Trio of Davis.
 - 3 Polje.
 - 4 Resurrected landscape.
 - 5 Nunatak.
 - 6 Exfoliation.
 - 7 Pediment.

(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 Explain the recent trends in geomorphology.
 - 9 Explain sea floor spreading on the basis of the theory of plate tectonics.

Turn over

- 10 Elaborate the concept of panplanation.
- 11 Evaluate W.M.Davis' concept of Cycle of erosion.
- 12 Give a brief account of anthropogenic geomorphology.
- 13 Briefly describe the different types of mass movements.
- 14 Critically evaluate A. Wood's model of Slope Evolution.

(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 Compare and contrast the concept of fluvial geomorphologic cycle proposed by W.M.Davis and W.Penck.
- 16 Examine the geological work by sea and the landforms formed by erosion and deposition.
- 17 Comment on the Theory of Plate Tectonics with justifications and suitable illustration.
- 18 Elucidate the application of geomorphology in various fields.

(2 × 5 = 10 weightage)