

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

(CBCSS)

Geography

GRY4E03.2—GEOGRAPHY OF WATER RESOURCES

(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.*

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 Aquiclude.
- 2 Glaze.
- 3 Water pricing.
- 4 Darcy's law.
- 5 Algal Bloom.
- 6 BOD.
- 7 Kattas and Madakas.

(4 × 2 = 8 weightage)

Turn over

Part B

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

- 8 The Scope of Geography of water resources.
- 9 Spatial interpolation method for measuring rainfall.
- 10 Rainfall-runoff relationship.
- 11 Types of water pollution.
- 12 The objectives of watershed management.
- 13 Types of Aquifers.
- 14 Benefits of waste water recycling and reuse .

(4 × 3 = 12 weightage)

Part C

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

- 15 Traditional water harvesting structures of Western India.
- 16 The Krishna water dispute.
- 17 The role of Basin Hydrology in Water Resource Management.
- 18 Challenges and solutions to water sustainability.

(2 × 5 = 10 weightage)

**FOURTH SEMESTER M.Sc. DEGREE [REGULAR/SUPPLEMENTARY]
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Geography

GRY 4E 03.1—CULTURAL GEOGRAPHY

(2019 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

General Instructions

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Part A

- I. Write short notes on any *four* of the following. Answer should not exceed 100 words. Draw appropriate maps/diagram wherever applicable. All questions carry equal weightage.
 - 1 Write short note on man as modifier of the earth ?
 - 2 Write the evolution of cultural geography ?
 - 3 Write short notes on food gathering and hunting ?
 - 4 What are the consequences of animal domestication ?
 - 5 Write short notes on geography of language ?
 - 6 Write short notes on the quality of life in the urban centres ?
 - 7 Write short notes on the origin of settlement ?

(4 × 2 = 8 weightage)

Turn over

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 Evaluate the concept of cultural integration ?
- 9 Explain the Man's deployment over the continents ?
- 10 Explain humanisation of the earth ?
- 11 Describe the evolution of the system of animal husbandry ?
- 12 Explain the origin of metal extracting and diffusion of metal smelting technology ?
- 13 Evaluate the major religions of the world and their distribution ?
- 14 Elaborate the origin and pattern of settlement in the world ?

(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 Describe the environmental changes during the Pleistocene period ?
- 16 Explain the cultural hearth Nile Valley civilization ?
- 17 Describe the major linguistic families and their distribution in the world ?
- 18 Explain the characteristics of rural and urban settlements ?

(2 × 5 = 10 weightage)

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EXAMINATION, APRIL 2022**

(CBCSS)

Geography

GRY4C12—AGRICULTURAL GEOGRAPHY

(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 Neolithic founder crops.
- 2 Fertile Crescent.
- 3 Locational Rent.
- 4 Land capability.
- 5 Olericulture.
- 6 WTO.
- 7 Green revolution.

(4 × 2 = 8 weightage)

Turn over

Part B

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

- 8 Scope of Agricultural geography.
- 9 Approaches of agricultural geography.
- 10 Physical determinants of agriculture.
- 11 Boserup's model of agricultural development.
- 12 Sustainable agriculture.
- 13 Techniques of agricultural regionalisation.
- 14 Principles of farm management.

(4 × 3 = 12 weightage)

Part C

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

- 15 Von Thunen's theory of agriculture location and its applicability in Indian context.
- 16 Environmental impact of agriculture.
- 17 Critical evaluation of India's New Agriculture Policy.
- 18 Agro-climatic zones of India.

(2 × 5 = 10 weightage)

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Geography

GRY 4C 11—ENVIRONMENTAL GEOGRAPHY

(2019 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

General Instructions

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Part A

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. Give a short note on abiotic substances in ecosystem.
2. Explain the concept ecological pyramid.
3. What is environmental possibilism ?
4. Give a short note on Endosulfan disaster in Kerala.
5. What is the significance of Narmada Bachao Andolan ?
6. Permafrost melting.
7. Explain the concept of ecocide.

(4 × 2 = 8 weightage)

Turn over

Part B

*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. Write a brief note on energy flow and nutrient cycles.
9. Explain the ill effects of air pollution.
10. Discuss the significance of Environmental Protection Act 1986.
11. Briefly explain Nairobi declaration.
12. Environmental sustainability.
13. What is eutrophication and list out its impacts ?
14. Write a short note on green economy.

(4 × 3 = 12 weightage)

Part C

*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. Critically evaluate the mitigation techniques of global climate change.
16. Explain in detail about the Anti Pollution Acts in India.
17. What is EIA ? Explain its significance.
18. Evaluate the role of Biogeography for environmental conservation.

(2 × 5 = 10 weightage)