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MGG-007

M. Sc. (GEOGRAPHY) (MSCGG)

Term-End Examination

June, 2024

MGG-007 : ENVIRONMENTAL GEOGRAPHY

Time : 3 Hours

Maximum Marks : 100

Note : (i) *Attempt all questions.*

(ii) *Marks are mentioned against each question.*

Section—A

1. Answer any **five** questions. Your answer should be in about **150** words each : $5 \times 4 = 20$

(i) Describe Liebig's law of the Minimum in plant sciences.

(ii) Explain briefly the concept of 'Neo-Determinism'.

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- (iii) Briefly discuss the agrobiodiversity in India.
- (iv) What is ozone ? Name any *two* causative factors of ozone depletion. Explain any *two* major effects of 'Ozone Layer' depletion on the earth's environment.
- (v) Differentiate between 'Loose Snow' avalanche' and 'Slab avalanche'.
- (vi) Discuss flash floods and their causes in brief.
- (vii) List any *four* principles of social impact assessment.

Section-B

2. Answer any *five* questions. Your answer should be in about **250** words each : $5 \times 6 = 30$
- (i) Define environment. Explain the *four* segments of environment.
 - (ii) Discuss any *three* causative factors responsible for major environmental problems.

- (iii) Differentiate ecology and ecosystem.
- (iv) Discuss the Air (Prevention and Control of Pollution) Act of India by citing suitable examples.
- (v) Differentiate the physical and social vulnerability.
- (vi) Describe the social impact framework with a diagram.
- (vii) Define 'climate change' and 'human health'. Explain any *four* direct impacts of climate change on human health.

Section-C

Note : Answer any *five* questions. Your answer should be in about **500** words each.

$$5 \times 10 = 50$$

- 3. Briefly explain sustainable development. Describe the *four* main methods of assessing sustainable development. 10
- 4. Explain the function of an ecosystem using any *four* cycles. 10

5. What are forest fires ? Discuss any *three* characteristics, causes and management strategies each of forest fires. 10
6. Explain the concept of health and environment. Elaborate biological and physical health hazards. 10
7. Describe any *four* different types of environment pollution and human health. 10
8. What is 'cloud burst' ? Explain different causes and management practices of cloud burst. 10
9. What is 'Environmental Impact Assessment' (EIA) ? Explain briefly the criteria for the selection of EIA methodologies and discuss the 'Ad-hoc Method' and 'Checklist Method' of EIA.

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