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MGGE-002

M. SC. (GEOGRAPHY)

(MSCGG)

Term-End Examination

December, 2025

MGGE-002 : NATURAL RESOURCE

MANAGEMENT

Time : 3 Hours

Maximum Marks : 100

***Note :** Attempt all Sections. Marks are indicated
against each question.*

Section—A

1. Answer any **five** of the following questions
in about **150** words each : 5×4=20
- (i) Briefly explain ecological succession.

- (ii) Write a short note on Chipko Movement.
- (iii) Briefly discuss any *two* types of water scarcity.
- (iv) Write a short note on the history of natural resource conservation.
- (v) Briefly explain the role of Paris Agreement, 2015 on the climate change.
- (vi) What is biological resource ? Briefly explain.
- (vii) Briefly explain the scenario of wasteland in India.

Section—B

2. Answer any *five* of the following questions in about **300** words each : 5×6=30

- (i) Briefly explain any *three* principles of Ecosystem-Based Management (EBM).

- (ii) Discuss the distribution of major biodiversity hotspots of the world.
- (iii) Explain the concept of 'vulnerability' and 'risk assessment' with reference to natural resource management.
- (iv) What is Ramsar Convention ? Discuss its role in the conservation of biodiversity and sustainable management.
- (v) Discuss the National Water Policy of India.
- (vi) Explain the applications of geospatial technology in Natural Resource Management (NRM).
- (vii) Describe any *six* techniques of soil management.

Section—C

Note : Answer any **five** questions in about
500 words each. 5×10=50

3. Discuss the *four* approaches of natural resource management in detail.
4. Define 'Biogeochemical Cycle'. Discuss any *two* biogeochemical cycles in detail.
5. Discuss any *four* human dimensions in the natural resource management.
6. What is 'Human-Wildlife Conflict' (HWC) ? Discuss the key factors responsible for HWC and its mitigation strategies.
7. What is 'Sustainable Yield Model' ? Discuss the application of 'Maximum Sustainable Yield' (MSY) in the management of any *two* natural resources.

8. What is Integrated Natural Resource Management ? Discuss any *two* integrated national resource managements in detail.
9. Discuss the concept of 'Joint Forest Management' in India with its key features, working structure and success stories.

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