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MGGE-002

M. SC. (GEOGRAPHY) (MSCGG)

Term-End Examination

June, 2025

MGGE-002 : NATURAL RESOURCE

MANAGEMENT

Time : 3 Hours

Maximum Marks : 100

Note : *Attempt all questions. 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 discuss the concept of Natural Resource Management.
 - (ii) Explain the concept of ecosystem in brief.
 - (iii) Write a short note on marine water pollution.

- (iv) What is biodiversity hotspot ? Name any *four* biodiversity hotspots of India.
- (v) Briefly discuss the impacts of National Policy Framework for climate change mitigation.
- (vi) Write a short note on 'Pare's Agreement, 2015'.
- (vii) Briefly explain the *four* 'Dublin Principles' of integrated water resource management.

Section—B

2. Answer any *five* of the following questions in about **300** words each : 5×6=30
- (i) Explain the *three* principles of sustainability in natural resource management.
 - (ii) Discuss the renewable and non-renewable resources with examples.
 - (iii) What is forest fire ? Explain any *two* impacts of forest fire.

- (iv) What is 'Sustainable Yield Model' ?
Explain its types in detail.
- (v) Discuss the *four* types of protected areas in India according to the Wild-life (Protection) Act, 1972.
- (vi) Discuss the landuse classification of India.
- (vii) Explain the 'Neeru-Meeru Programmme' for water resource management.

Section—C

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

- 3. Define biogeochemical cycle. Discuss any *two* biogeochemical cycles in detail.
- 4. Briefly explain the 'ecosystem based management'. Discuss any *four* applications of ecosystem-based management.
- 5. Describe in brief the United Nations Convention on Biological Diversity

(UNCBD). Discuss the objectives and protocols of UNCBD in detail.

6. Explain Integrated Natural Resource Management (INRM) and its principles. Discuss any *three* approaches of INRM.
7. Explain the impacts of climate change on any *five* natural resources.
8. Discuss in detail any *one* case study of land resource management in India.
9. Discuss the applications of geospatial technology in natural resource management.

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