

No. of Printed Pages : 4 **MGGE-003(S)**

M. SC. (GEOGRAPHY) (MSCGG)

Term-End Examination

June, 2025

**MGGE-003(S) : NATURAL HAZARDS AND
DISASTER MANAGEMENT**

Time : 3 Hours

Maximum Marks : 100

Note : (i) *All Sections are compulsory.*

(ii) *Question Nos. 1 and 2 are compulsory. Answer any **five** out of seven questions given in Section C.*

(iii) *Marks are indicated against each Section.*

Section—A

1. Answer any *five* questions in about
150 words each : 5×4=20

(i) Describe in brief any *four* key attributes
of disaster.

- (ii) Define risk. How is it different from vulnerability ?
- (iii) Describe in brief any *four* preparedness measures of Tsunami.
- (iv) Write a short note on “India Meterological Department’s (IMDs) Early Warning System for Cyclone.
- (v) What is mitigation ? Briefly explain.
- (vi) Briefly explain any *four* road engineering measures to mitigate road accident.
- (vii) What is Traditional Knowledge System (TKS) ? State any *three* characteristics of TKS.

Section—B

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

- (i) Explain any *four* social impacts of hazards and disasters.
- (ii) Discuss Hazard, Risk, Vulnerability and Capacity Analysis (HRVCA).

- (iii) Explain any *four* stages of Tsunami formation.
- (iv) Describe any *three* cyclone hazard mitigation efforts.
- (v) Explain any *four* environmental impacts of forest fire.
- (vi) Describe any *four* causes of road accidents.
- (vii) Discuss the importance of indigenous knowledge system for disaster risk reduction.

Section—C

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

- 3. Discuss in detail the Hyogo Framework for Action, 2005-2015.
- 4. Explain in detail mitigation measures and preparedness for earthquake disaster.
- 5. Describe in detail the key elements of India's drought management strategies.
- 6. Explain in detail any *five* economic consequences of forest fires.

7. Explain in detail causes and consequences of epidemics and pandemics.
8. Differentiate and explain structural and non-structural measures for mitigating flood hazards in detail.
9. Explain in detail various steps involved in operationalising community based disaster management.

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