

**M.E.S. COLLEGE OF ARTS & COMMERCE, ZUARINAGAR - GOA**  
**B.A. (CBCS) III SEMESTER END (REGULAR/REPEAT) EXAMINATION, JANUARY 2022**  
**GE - GEOGRAPHY - FUNDAMENTALS OF DISASTER MITIGATION (GEG111)**

Duration: 02 Hours

Total Marks: 80

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**INSTRUCTIONS**

- 1) *All questions are Compulsory*
- 2) *Answer the sub questions in Q1 and Q2 in 100 words*
- 3) *Answer the questions from Q3 to Q6 in 200 words*
- 4) *Draw sketches and diagrams wherever applicable*
- 5) *In Questions 3, 4, 5 and 6, A has an option and B is Compulsory.*

**Q. 1 Write short notes on Any Four of the following (4x4= 16)**

- a) Causal factors of disasters
- b) Hazards based on hazard frequency
- c) List out the types of vulnerability
- d) Mitigation measures for floods
- e) Classification of droughts
- f) Factors triggering landslides

**Q. 2 Write short notes on Any Four of the following (4x4= 16)**

- a) Cyclone
- b) Structure of the earth
- c) Triggering causes of Tsunami
- d) Oil spills
- e) Dhani system
- f) State Disaster Management Authority

**Q.3 A Explain in detail the pre-disaster phase. (6)**

**OR**

**Q.3 A List out any five uses of a disaster database. (6)**

**Q.3 B What does one understand by risk? Explain the components of risk management. (6)**

**Q. 4 A Analyze the types of Droughts according to the extent of Water Scarcity. (6)**

**OR**

**Q.4 A What are the mitigation methods for landslides? Explain in brief. (6)**

**Q.4 B Elaborate on the different types of floods observed. (6)**

**Q.5 A Describe the structure of a cyclone. (6)**

**OR**

**Q.5 A Write a note on the different types of plate boundaries. (6)**

**Q.5 B Explain the different parts of a wave. (6)**

**Q. 6 A Analyze the advantages of Community-based Disaster Risk Management. (6)**

**OR**

**Q. 6 A What is the mission of NIDM? Elaborate. (6)**

**Q. 6 B Explain the application of indigenous knowledge in soil and water conservation. (6)**

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