

**April 2025**  
**B.A./B.Sc.**  
**Fourth Semester**  
**GENERIC ELECTIVE – 4**  
**GEOLOGY**  
*Course Code: GLG 4.11*  
(Natural Hazards & Disaster Management)

Total Mark: 70

Pass Mark: 28

Time: 3 hours

Answer five questions, taking one from each unit.

**UNIT-I**

1. Explain the phenomenon of the formation of a tsunami. Give the impacts of tsunami. 14
2. What is a cyclone? Explain the causes and effects of a cyclone. 2+6+6=14

**UNIT-II**

3. Write a note each on the following: 7×2=14
  - (a) Effects of volcanic eruption on the environment
  - (b) Preventive measures for landslide hazards
4. Write a note each on the following: 7×2=14
  - (a) Effects of landslide hazards on human health and environment
  - (b) Factors that causes land subsidence

**UNIT-III**

5. Describe the mitigation and preparedness measures for fire disaster in residential areas. 14
6. Give your opinion on the preparedness of your community against earthquake disaster. Highlight the common management issues related to disasters. 7+7=14

## UNIT-IV

7. Explain capacity building. Give its role in mitigation of disaster. 7+7=14
8. Write a note each on the following: 7×2=14
- (a) Social vulnerability in disaster management
  - (b) Phases of post disaster recovery

## UNIT-V

9. (a) Give your opinion on the infrastructural development of your state and preparedness for disasters. 7
- (b) Describe the most common disaster that prevail in your area and give the preventive measures for it. 7
10. Give the key aspects of rehabilitation in disaster management and explain rehabilitation process requires after fire accidents in a locality. 7+7=14
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