

2022
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 types of flood, its causes, and mitigation. 14
2. Write notes on the following: 7×2=14
 - (a) Heat wave
 - (b) Classification of hazard

UNIT-II

3. Explain the distribution, predication, and mitigation of volcanic eruption. 14
4. Write notes on the following: 7×2=14
 - (a) Type and causes of landslide
 - (b) Predication and precaution of earthquake

UNIT-III

5. Write a note on disaster management and preparedness. 14
6. Explain the following: 7×2=14
 - (a) Technique of monitoring disaster
 - (b) Management issues related to disaster

UNIT-IV

7. Discuss pre-disaster risk and vulnerability reduction. 14
8. Write notes on the following: 7×2=14
- (a) Mitigation through capacity building
 - (b) Post disaster rehabilitation

UNIT-V

9. Discuss in detail the Bhopal gas leak disaster. 14
10. Write notes on the following: 7×2=14
- (a) Emergency alert system
 - (b) Disaster related infrastructure development
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