

2023
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. What are floods? Enumerate preventive measures that can be undertaken on a personal as well as on the government level in order to tackle the effects of flooding. 2+12=14
2. Write short notes on the following: 7+7=14
 - (a) Disaster management
 - (b) Natural hazards

UNIT-II

3. Briefly discuss the classification of volcanoes. Give some mitigation measures. 4+10=14
4. What are the types of mass movement? Briefly discuss the causes of landslide and mitigation measures. 4+10=14

UNIT-III

5. Explain the various management issues that are related to disasters. 14
6. Discuss any two techniques and design methods that can be used against disasters. 7+7=14

UNIT-IV

7. How can awareness of disaster risk help a community prepare for any calamity? 14
8. Write notes on the following: 7×2=14
- (a) Mitigation through capacity building
 - (b) Post disaster recovery

UNIT-V

9. Explain any emergency alert system with diagrams. 14
10. Write notes on the following: 7×2=14
- (a) Industrial hazards
 - (b) Disaster related infrastructure development
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