

2024
B.A./B.Sc.
Fourth Semester
GENERIC ELECTIVE – 4
GEOLOGY
Course Code: GLG 4.11
(Natural Hazards & Disaster Management)

Total Mark: 70
Time: 3 hours

Pass Mark: 28

Answer five questions, taking one from each unit.

UNIT-I

1. Write short notes on the following: 7×2=14
 - (a) Difference between natural hazards and natural disaster with suitable example.
 - (b) The classification of hazards based on their causes and occurrences.
2. Explain on the natural causes of flood and give its effects on the environment and human being. Elaborate on the mitigation measures that can be adopted for tsunami hazards. 9+5=14

UNIT-II

3. What are fire hazards? Give the natural and anthropogenic causes of fire hazards and the fire safety measures. 2+8+4=14
4. Define earthquake. Explain the various causes and effects of earthquake. 2+6+6=14

UNIT-III

5. What is disaster management? Explain on what mitigation and preparedness measures one can adopted to tackle disaster. 2+12=14
6. (a) Elaborate on the techniques of monitoring against flood disaster. 7
(b) Expand your ideas to tackle against gender issues. 7

UNIT-IV

7. Define risk and vulnerability. Explain on how to carry out vulnerability reduction prior to the occurrence of various disasters on governmental and community level. 4+10=14
8. Write notes on the following: 7×2=14
- (a) Rehabilitation after the occurrence of disaster
 - (b) Pre-disaster risk reduction measures

UNIT-V

9. (a) Write note on Bhopal gas leak disaster. 7
- (b) What is emergency alert system? Explain on how you will response to fire emergency in your institution. 7
10. Discuss on prevention measures for landslide disaster and rehabilitation on earthquake disaster. 7+7=14
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