

2023
B.A./B.Sc.
Sixth Semester
DISCIPLINE SPECIFIC ELECTIVE – 3
GEOLOGY
Course Code: GLD 6.11
(Environmental Geology)

Total Mark: 70
Time: 3 hours

Pass Mark: 28

Answer five questions, taking one from each unit.

UNIT-I

1. “Geology a basic environmental awareness.” Explain. 14
2. Write notes on the following: 7×2=14
 - (a) Interaction of Earth’s atmosphere and hydrosphere to function as a system
 - (b) Limitation of natural resources

UNIT-II

3. Explain the causes, impacts, and mitigation measures of air pollution. 14
4. Write notes on the following: 7×2=14
 - (a) Causes and impacts of water pollution
 - (b) Mitigation measures of vehicular pollution

UNIT-III

5. Give an account on the primary and secondary geological hazards citing suitable examples. 14
6. Write notes on the following: 7×2=14
 - (a) Seismic engineering
 - (b) Landslide vulnerability zone and mitigation measures

UNIT-IV

7. Discuss soil sickness and soil conservation methods. 14
8. Write notes on the following: 7×2=14
- (a) Causes and impacts of deforestation
 - (b) Soil loss equation

UNIT-V

9. Explain the geological and topographical problems of Northeast India. 14
10. Write notes on the following: 7×2=14
- (a) Forest cover and its mitigation
 - (b) Drainage related problems of Northeast India
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