

2022
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. Discuss the cultural and environmental awareness of geology. 14
2. Explain the following: 7×2=14
 - (a) Geology as a basic environmental science
 - (b) Sustainability and limitation of earth's resources

UNIT-II

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

UNIT-III

5. Define hill slope. Explain the methods for stabilizing hill slope. 1+13=14
6. Write notes on the following: 7×2=14
 - (a) Early warning system
 - (b) Primary and secondary hazard associated with earthquake

UNIT-IV

7. Explain the causes, impact and preventive measures on deforestation due to anthropogenic activities. 14
8. Write notes on the following: 7×2=14
- (a) Soil sickness
 - (b) Soil loss equation

UNIT-V

9. Discuss any geo-environmental problems of Northeast India. 14
10. Write notes on the following: 7×2=14
- (a) Land use and land capability of NE
 - (b) Ground water and its associated problem
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