

2023
M.Sc.
Fourth Semester
CORE – 11
GEOLOGY
Course Code: MGLC 4.11
(Environmental Geology & Climatology)

Total Mark: 70

Pass Mark: 28

Time: 3 hours

Answer five questions, taking one from each unit.

UNIT-I

1. Discuss the degradation and contamination of groundwater due to industrialization. 14
2. Explain the water logging problems associated with indiscrete construction of reservoirs and dams. 14

UNIT-II

3. How do geologic processes affect human health? Explain. 14
4. Explain the different methods of waste management in your locality. 14

UNIT-III

5. Discuss the classification of volcanoes. Give some mitigation and remedial measures. 14
6. Explain the causes, impact, and remedial measures on deforestation. 14

UNIT-IV

7. Discuss the latitudinal and seasonal variation of atmospheric pressure. 14
8. Write notes on the following: 7×2=14
 - (a) Vertical distribution of temperature
 - (b) Formation of clouds

UNIT-V

9. Discuss the formation and properties of air masses and how they affect the weather of an area. 14
10. Write notes on the following: 7×2=14
- (a) Factors affecting wind direction and speed
 - (b) Koppen's scheme of climatic classification
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