

2022
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. Explain the degradation and contamination of surface water due to urbanization. 14

2. Explain the following: 7×2=14
 - (a) Define water logging. Explain in brief human induced water logging. 2+5=7

 - (b) Define point and non-point source of water pollutant. Add a note on the categories of water pollutant. 3+4=7

UNIT-II

3. Define energy crises. Add a note on alternative energy resources. 1+13=14

4. Write notes on the following: 7×2=14
 - (a) Radioactive waste management
 - (b) Geological aspect of environment health

UNIT-III

5. Write an account on volcanism. 14

6. Write notes on the following: 7×2=14
(a) Causes and impact of deforestation
(b) Influence of neotectonics in seismic hazard assessment

UNIT-IV

7. Define isolation. Explain the various factors affecting insolation. 14
8. Write notes on the following: 7×2=14
(a) Pressure belt
(b) Cloud classification

UNIT-V

9. Explain the various concepts of origin of Indian monsoon and describe briefly the features of summer monsoon. 14
10. Write notes on the following: 7×2=14
(a) Jet stream
(b) Tropical and extratropical cyclone
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