PART A

Answer any two full questions, each carries 15 marks.

1 a) Explain differences between hazards and disasters. (8)
    b) Define the terms risk, vulnerability and crisis. (7)

2 a) Explain the concept of green house effect. (7.5)
    b) What is Global Warming and what are the main causes of global warming. (7.5)

3 a) Write a short note on the impact of earthquakes. (7.5)
    b) Explain the term vulnerability with respect to earthquakes (7.5)

PART B

Answer any two full questions, each carries 15 marks.

4 a) How do tsunamis originate? (4)
    b) Why tsunamis become disastrous when they approach coastal regions? (6)
    c) How will you assess the vulnerability of a coast to the attack of tsunamis? (5)

5 a) List any five probable impacts of cyclones (5)
    b) Explain the origin of cyclones (4)
    c) Explain any one application of technology in cyclone disaster management (6)

6 a) How do soils originate? (4)
    b) What is soil degradation?: (5)
    c) Explain the impacts of addition of e-waste to soils (6)

PART C

Answer any two full questions, each carries 20 marks.

7 a) What is water pollution. Briefly explain. (2)
    b) List out the major causes of water pollution and describe (8)
    c) Explain ‘point sources’ and ‘non-point sources’ of pollution with an example. (6)
    d) List out the major water pollutants. (4)

8 a) What is air pollution. (2)
b) Discuss the major causes of air pollution. (6)
c) What are the classification of air pollutants? Explain with example. (6)
d) Describe the impacts of air pollution. (6)

9 a) Write a short note on flood forecasting (5)
b) What are the mitigation measures for flood disaster? (8)
c) What are the impacts of a cyclone? (7)

****