

17011(M)

B. Tech 2nd Semester Examination

Disaster Management & Environmental Science (CBS)

HS-103

Time : 3 Hours

Max. Marks : 60

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : The question paper consists of five Sections A, B, C, D and E. The candidates are required to attempt one question each from section A, B, C, D and all subparts of Section E. Use of non-programmable calculator is allowed.

SECTION - A

1. What are the principles of Disaster Management? State difference between natural calamity and man-made disasters? (12)
2. What do you understand by disaster vulnerability? Who are the most vulnerable groups for these disasters? (12)
3. Discuss national policy on disaster management in India? (12)

SECTION - B

4. Discuss the probable causes and precautionary measure for any one natural disaster? (12)
5. State post disaster relief and logistics of earthquake management? What is the role of information systems in the disaster management? (12)
6. What is the importance of voluntary agencies and community participation at various stages of disaster? (12)

SECTION - C

7. Differentiate between renewable and non-renewable resources? Discuss the role of individual in conservation of natural resources for sustainable life styles? (12)
8. How does the forest play a role in human sustenance? What is the effect of dam construction on tribal people? (12)

SECTION - D

9. Discuss current global environment issues? What do you understand about the possible causes of global warming? (12)
10. How energy use has changed over the years? How the energy use has an effect on climate change? (12)

SECTION - E

11. (i) What is mitigation of natural disaster?
(ii) What is earthquake?
(iii) What are effects of nuclear disaster?
(iv) What is the role of a relief camp?
(v) What role forests play in preventing soil erosion?
(vi) What are causes of green house effects?
(vii) What is ozone depletion?
(viii) What are nuclear hazards?
(ix) What is the role of methane in climate change?
(x) What is rural development programme?
(xi) What are the causes of air pollution?
(xii) What are the effects of water pollutants? (1×12=12)