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DEC-23-1209

EVS-111 (Energy and Environment)

Common for B.Tech/BHMCT/BBA/BCA-1st CBCS/NEP

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: Attempt five questions in all by selecting one question each from section A, B, C and D. Section-E is compulsory.

SECTION - A

1. What is ecological Succession? Explain various steps of succession in brief. (12)
2. a. Write a note on Kyoto Protocol. (6)
- b. What are the major causes and effects of climate change? (6)

SECTION - B

3. Define air pollution. Briefly describe the sources, effects and control of air pollution. (12)
4. a. Write a note on nuclear hazards and associated health risks in humans. (6)
- b. Mention some sources and effects of radioactive pollution. (6)

SECTION - C

5. a. What is the significance of an individual's role in the conservation of natural resources? (6)

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- b. Define deforestation. Discuss the importance of forest resources. (6)
6. a. Write down the different uses of forests. Discuss the major causes of deforestation. (6)
- b. Enlist various benefits and problems associated with dams. (6)

SECTION - D

7. What causes landslides, and what are the warning signs of an impending landslide? How do engineers mitigate the risk of landslides in hilly or mountainous areas? (12)
8. a. What are the main causes and consequences of flooding in various regions? (6)
- b. Explain the causes of earthquakes and how do they differ from other geological events. (6)

SECTION - E (Compulsory) (6×2=12)

9. Briefly define/write a short answer on following:
 - a. Ecological pyramids (2)
 - b. Greenhouse effect (2)
 - c. Photochemical Smog (2)
 - d. Minamata tragedy (2)
 - e. Drought (2)
 - f. Chemical terrorism (2)