

PART B — (5 × 16 = 80 marks)

11. (a) (i) Explain the role of producers, consumers and decomposers in an ecosystem. (8)
(ii) What is the importance of protecting the Biodiversity of Earth. (8)

Or

- (b) (i) Explain the various components and functions of forest ecosystem. (8)
(ii) Identify and explain the major threats to the biodiversity of India. (8)

12. (a) (i) Explain the major water pollutants and their effects. (8)
(ii) List and explain the methods of waste management in the order of preference. (8)

Or

- (b) (i) Discuss the source, effects and control measures of thermal pollution. (8)
(ii) What is an earth quake? Write its effects. What measures should be taken to mitigate the disaster. (8)

13. (a) (i) Discuss the effects of timber extraction on forests and tribal people. (8)
(ii) What is land degradation? Mention the factors responsible for land degradation. (8)

Or

- (b) (i) Explain the benefits and problems of dam. (8)
(ii) Discuss the role of individual in the conservation of natural resources. (8)

14. (a) (i) What are the major urban problems related to energy? (8)
(ii) Briefly discuss the salient features of the Environment (Protection) Act, 1986. (8)

Or

- (b) (i) What is a watershed? Critically discuss the objectives and practices of water shed management. (8)
(ii) Write short notes on Nuclear accidents and holocaust. (8)

15. (a) (i) Explain the term 'Population Explosion'. Enumerate its effects. (8)
(ii) Discuss the role of Information Technology in the protection of Environment and Human health. (8)

Or

- (b) (i) Describe the various schemes launched for woman and child welfare in India. (8)
(ii) What are the modes of transmission of HIV? And how can it be prevented? (8)