

PART B — (5 × 16 = 80 marks)

11. (a) Discuss with the help of a case study, how big dams have affected forests and the tribal population. (16)

Or

- (b) (i) What actions are required for the conservation and sustainable use of energy resources? (8)
(ii) Explain the possible contribution of individuals towards natural resources conservation. (8)
12. (a) Compare the ecological pyramids of numbers of grassland and forest ecosystem. (16)

Or

- (b) (i) Discuss the hot-spots of biodiversity in India. (8)
(ii) Explain the energy flow in the ecosystem with suitable diagram. (8)
13. (a) (i) Discuss the sources, adverse effects and, control methods of water pollution. (8)
(ii) Elaborately discuss the steps involved in solid waste management. (8)

Or

- (b) (i) What are the sources for thermal pollution? Discuss briefly its effects and control methods. (8)
(ii) How does earthquake take place? Explain the steps to be taken to mitigate the earthquake disaster. (8)
14. (a) (i) What powers does the environment (protection) act of 1986 give to the central government? (8)
(ii) How are the environmental laws being enforced? (8)

Or

- (b) (i) What is ozone layer depletion? (8)
(ii) What are the international initiatives against the depletion of the ozone layer? (8)
15. (a) What is universal declaration of Human Rights? What is its importance in achieving the goals of equity, justice and, sustainability? (16)

Or

- (b) What is the role of NMIS, ENVIS and GIS in dissemination of Environmental information and Environment management? (16)