

4. What are the causes of thermal pollution ?
5. Mention any two environmental effects of mining for mineral resources.
6. What are the reasons for land degradation ?
7. Explain the term sustainability briefly.
8. State any two biomedical waste handling rules.
9. Mention any two family welfare programs adopted in India.
10. What do you understand by population explosion ?

PART – B (5 × 16 = 80 Marks)

11. (a) (i) What is an ecosystem ? What are its components ? Explain the functions of each component with examples. (8)
- (ii) Explain the factors that give threat to biodiversity. (8)

OR

- (b) (i) How is biodiversity conserved in India ? (4)
- (ii) Explain oxygen and nitrogen cycle briefly with diagrams. (12)

12. (a) (i) Write an elaborate notes on chemical and photochemical reactions in the atmosphere. (10)
- (ii) What are the causes and effects of marine pollution ? (6)

OR

- (b) (i) What are the methods adopted for the control of air pollutants ? Explain each briefly. (8)
- (ii) How are water pollutants classified ? Give examples of each type. (8)

13. (a) (i) How is biogas produced ? What are its advantages ? (8)
- (ii) What are the effects of modern agriculture ? (8)

OR

- (b) (i) What are renewable and non-renewable energy resources ? Why are non-renewable energy resources preferred for energy utilization now-a-days ? What are advantages and disadvantages of harnessing non-renewable energy resources ? (10)
- (ii) Explain bioconversion of pollutants with examples. (6)
14. (a) (i) Discuss the recent approaches to achieve sustainable development. (12)
- (ii) What is green chemistry and what are its principles ? (4)

OR

- (b) (i) Discuss the various applications of green chemistry for achieving sustainable development. (8)
- (ii) Explain salient features of Water Act. (8)
15. (a) (i) What are sparsely populated areas ? Give examples and reasons for poor population in those areas. (8)
- (ii) What is HIV ? How is it caused ? What are the preventive measures suggested ? (8)

OR

- (b) (i) Explain a note on EIA. (8)
- (ii) Discuss women and child welfare programs practiced in India. What are the hurdles encountered ? (8)