

Full Marks: 80

Time- 3 Hrs

Answer any five Questions including Q No.1& 2  
 Figures in the right-hand margin indicates marks.

- |    |                                                                           |        |
|----|---------------------------------------------------------------------------|--------|
| 1. | Answer All questions.                                                     | 2 x 10 |
|    | a. Define ecosystem.                                                      |        |
|    | b. What do you mean by option values?                                     |        |
|    | c. What is noise pollution?                                               |        |
|    | d. What do you mean by sustainable development?                           |        |
|    | e. What is population explosion?                                          |        |
|    | f. Define non-renewable natural resources with a suitable example.        |        |
|    | g. Define food chain.                                                     |        |
|    | h. What are genetics and species?                                         |        |
|    | i. What do you mean by water salinity?                                    |        |
|    | j. What is soil erosion?                                                  |        |
| 2. | Answer Any Six Questions                                                  | 5 x 6  |
|    | a. Explain in brief man-wildlife conflicts.                               |        |
|    | b. Explain some measures of controlling thermal pollution.                |        |
|    | c. Write down a short note on changes caused by agriculture.              |        |
|    | d. What is the need of public awareness for the environment?              |        |
|    | e. Define and explain food web with suitable examples.                    |        |
|    | f. Explain pond ecosystem.                                                |        |
|    | g. Explain the effects of construction of dams on tribal people.          |        |
|    | Answer Any Three Questions                                                |        |
| 3. | (a) What is air pollution? What are the various sources of air pollution? | 5      |
|    | (b) Explain the effects of extraction of minerals on the environment.     | 5      |
| 4. | (a) Define and explain rainwater harvesting.                              | 5      |
|    | (b) Write down a short note on ozone layer depletion.                     | 5      |
| 5. | (a) Explain the need and benefits of family welfare program.              | 5      |
|    | (b) What are human rights?                                                | 5      |
| 6. | (a) Explain the role of individual in prevention of pollution.            | 5      |
|    | (b) Explain flood disaster management.                                    | 5      |
| 7. | (a) Explain energy flow in an ecosystem.                                  | 5      |
|    | (b) Explain the need and use of alternative energy sources.               | 5      |