

**Time : 3 Hours**

**Marks : 80**

**Instructions :**

1. All Questions are Compulsory.
2. Each Sub-question carry 5 marks.
3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.
4. Question paper of 80 Marks, it will be converted in to your programme structure marks.

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1. Solve any **four** sub-questions.
    - a) What are spheres? Explain Hydrosphere. 5
    - b) What do you understand by Human Development Index? 5
    - c) Explain the use and over exploitation of forest resources. 5
    - d) Environment studies have a multi disciplinary approach. Explain. 5
    - e) Explain the measures towards sustainable water management. 5
  2. Solve any **four** sub-questions.
    - a) What is renewable energy? 5
    - b) Define and explain Ecosystem. 5
    - c) What is biodiversity? Discuss the ecosystem diversity. 5
    - d) What do you understand by Ozone depletion? Discuss its effect on human health. 5
    - e) What are the mitigation measures taken in case of floods? 5
  3. Solve any **four** sub-questions.
    - a) Explain in-situ and ex-situ. 5
    - b) What are the causes of soil degradation? 5
    - c) What are the three main components of integrated waste management? 5
    - d) What is noise pollution? Discuss the ill effects of noise pollution. 5
    - e) Discuss equity disparity in the Northern and Southern countries. 5

4. Solve any **four** sub-questions.
- a) Do you think preserving resources for the future generation is essential? 5
  - b) What can an individual do to control air pollution? 5
  - c) Discuss the water related diseases. 5
  - d) Explain the 3R principle in waste management. 5
  - e) Discuss the Chipko movement. 5

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