

**Roll No.....**  
**Total No. of Questions: [09]**

**Total No. of Printed Pages: 1**

**B.Sc. (IT) (Semester – 2<sup>nd</sup>)**  
**ENVIRONMENTAL SCIENCE**  
**Subject Code: BESE0101**  
**Paper ID: [130410]**

**Time: 03 Hours**

**Maximum Marks: 60**

**Instruction for candidates:**

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

**Section – A** **(2 marks each)**

Q1. Attempt the following:

- a. Distinguish between food chain and food web.
- b. Differentiate between renewable and non-renewable sources of energy.
- c. What are the probable causes for depletion of ozone layer?
- d. What is thermal pollution? What are its effects?
- e. What is a flash flood?
- f. Define sustainable development. How many Sustainable Development Goals are there?
- g. Is population growth a boon or bane? Justify your answer.
- h. What is the unit for measuring noise? Define it.
- i. Which ecological pyramid best represents an ecosystem? Substantiate your answer.
- j. List out the hotspots of biodiversity in India.

**Section – B** **(5 marks each)**

- Q2. What role can an individual play in protection against environmental pollution?
- Q3. Discuss the role of dams/hydroelectric power plants on local communities.
- Q4. List out the benefits and challenges posed by dam alongwith its effects on local residents.
- Q5. Describe the structure and function of an ecosystem.
- Q6. Describe the various stages of ecological succession. Discuss the significance of succession in ecology.

**Section – C** **(10 marks each)**

- Q7. Discuss the causes and effects of desertification. What mitigation measures can be adopted to combat desertification?
- Q8. What is a cyclone? What are the types of cyclones? How can cyclone be managed?
- Q9. Discuss the role of Information Technology in Environmental conservation and Human Health issues.