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Total No. of Printed Pages: 1

Total No. of Questions: [09]

B.Sc. (IT) (Semester – 2nd)
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.