Roll No……..….. **Total No. of Printed Pages: 1**
Total No. of Questions: [09]

B.Sc. (Cardiac Care Technology) (Semester – 2nd)
ENVIRONMENTAL SCIENCE
Subject Code: BCCTS1210
Paper ID: 21132412

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) Lithosphere
b) Water Pollution
c) Ecological Pyramid
d) Soil Erosion
e) Water Logging
f) Wastewater Treatment
g) Food Chain
h) Bioremediation
i) Solid Waste Management
j) Nutrient Pollution

Section – B **(5 marks each)**

Q2. Explain the reasons of Air Pollution? Also write the preventive measures to mitigate its impact

Q3. What is eutrophication? What are main sources of nutrients pollution & how can we prevent it?

Q4. Explain in detail regarding the effect oil spill & chemical degradation in our environment.

Q5. What are Health hazards due to pesticides and metal pollution? How can we prevent them

Q6. Explain the energy flow process in ecosystem & Ecological Pyramid

Section – C **(10 marks each)**

Q7. Difference between Food Chain & Food Web. Also write down about the structure of an Ecosystem.

Q8. What is biodiversity, level and types of biodiversity? Discuss in detail

Q9. What is environmental protection act? Write the various point covered in the act in detail.