Roll No……..….. **Total No. of Printed Pages: [01]**
Total No. of Questions: [09]

B.Sc. (Hons.) Math (Semester – 2nd)
ENVIRONMENTAL SCIENCE
Subject Code: BHSMC0041
Paper ID: 22131207

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) Differentiate between renewable and non-renewable natural resources.
b) Define watershed.
c) What is land degradation?
d) Name any 02 non-conventional energy resources.
e) List 02 tangible and intangible benefits of forest resources.
f) What is rainwater harvesting?
g) Define detrivores with examples.
h) Distinguish between food chain and food web.
i) What is weathering?
j) Define noise pollution.

Section – B **(5 marks each)**

Q2. Describe the structure and function of an ecosystem.

Q3. What are the problems associated with scarcity of water resources? Describe the measures that can be adopted for conservation of water resources.

Q4. Comment on the energy resources of India. What steps can be taken for energy conservation?

Q5. Describe soil profile. What are causative factors of soil erosion?

Q6. Describe the role of an individual in conservation of natural resources.

Section – C **(10 marks each)**

Q7. Comment on the multidisciplinary nature of environmental studies.

Q8. Describe various types of aquatic ecosystem along with their structural components. Give examples.

Q9. What are the problems associated with air pollution. Comment on the sources, causes and effects on environment and human health.