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

Total No. of Questions: [09]

B.Sc. (Hons.) Physics (Semester – 2nd)

ENVIRONMENTAL SCIENCES

Subject Code: BMNCC0002

Paper ID: 19131507

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) How the tribal population is affected by timber extraction from forests?
b) Give characteristics of non-renewable resources?
c) What is the function of decomposers in a food chain?
d) Write short note on ecological pyramid of biomass in a forest ecosystem?
e) What are the sources of marine pollution?
f) How does the nuclear power plant act as a major source of nuclear pollution?
g) How do the non-point sources differ from point water sources?
h) Enlist the issues related to resettlement and rehabilitation of people?
i) Which pollutants are responsible for acid rain formation?
j) Write short note on nuclear holocaust?

Section – B **(5 marks each)**

Q2. Describe the environmental consequences of deforestation?

Q3. Write a detailed note on ecological succession and its types?

Q4. Briefly explain various methods of municipal solid waste management?

Q5. Elaborate on environmental implications of nuclear power plants?

Q6. Give in detail advantages of rain water harvesting?

Section – C **(10 marks each)**

Q7. Discuss in detail the problems associated with over-utilization of surface and ground water?

Q8. Demonstrate the major sources and impacts of air pollution in urban areas? Give the control measures for improving urban air quality?

Q9. Explain in detail how does enhanced greenhouse effect contribute to global warming?