

B.Sc. Semester-III Examination, 2022-23**ENVIRONMENTAL SCIENCE [Honours]**

Course ID : 31812 Course Code : SH/ENV/302/C-6

Course Title : Environmental Biotechnology

Time : 1 Hour 15 Minutes Full Marks : 25

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*1. Answer any **five** from the following questions:

1×5=5

- Differentiate between constitutive and facultative heterochromatin.
- What is composting?
- Define vermiculture.
- What is mRNA?
- What are the types of amino acids?
- Differentiate between euchromatin and heterochromatin.
- What is biofuel?
- What is recombinant DNA technology?

2. Answer any **two** from the following questions:

5×2=10

- Distinguish between prokaryotes and eukaryotes.
- Write a short note on 'PGPR Bacteria'.
- State some techniques to manage Hazardous Waste.
- Briefly describe the bio-control of plant pathogen.

3. Answer any **one** from the following: 10×1=10

- Write a detail account on integrated pest management. What are the limitations of it?
7+3
- Describe the structural forms and characteristics of DNA. 10