

A-928

Total Pages : 3

Roll No. -----

MZO-604

Applied Biotechnology

M.Sc. Zoology (MSCZO)

3rd Semester Examination 2024 (June)

Time: 2:00 hrs

Max. Marks: 35

Note : This paper is of Thirty Five (35) marks divided into Two (02) Section A and B. Attempt the questions contained in these sections according to the detailed given therein. Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

P.T.O.

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Section-A (Long-Answer-Type Questions)

Note : Section 'A' contains Five (05) long-answer-type questions of Nine and Half (9½) marks each. Learners are required to answer any Two (02) questions only.

[2x9½=19]

- Q.1. Explain in detail the Biofertilizers.
- Q.2. What is the role of enzyme in biotechnology? Discuss its application area?
- Q.3. Explain the design construction and types of bioreactors.
- Q.4. Explain in detail about the process involved in land filling.
- Q.5. Explain the principle, types and applications of bioremediation.

Section-B (Short-Answer-Type Questions)

Note : Section 'B' contains Eight (08) short-answer-type questions of Four (04) marks each. Learners are required to answer any Four (04) questions only.

[4x4=16]

- Q.1. Write a short note on biostimulation.
- Q.2. Write a short note on analytical use of enzymes.
- Q.3. Write note on the impact of marine pollution on fisheries.
- Q.4. Write a short note on diafiltration.
- Q.5. Describe the process of Fermentation.
- Q.6. Define the need of vermin-compost.
- Q.7. Write source and management of hazardous waste.
- Q.8. Write a short note on heavy metal pollution.
