

C297

Total Pages : 2

Roll No.

MZO-604

Applied Biotechnology

M.Sc. Zoology(MSCZO-20)

3rd Semester Examination, 2022 (June)

Time : 2 Hours]

Max. Marks : 40

Note : This paper is of Forty (40) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

SECTION-A

(Long Answer Type Questions)

Note : Section 'A' contains Five (05) long answer type questions of Ten (10) marks each. Learners are required to answer any Two (02) questions only.

(2×10=20)

1. Describe various techniques used to produce disease free plants.
2. Explain the process of production of transgenic fish and its applications.

3. Describe the process of production of any two antibiotics.
4. Explain in detail about the process involved in land filling.
5. What do you mean by the term enzyme immobilization? Explain any two methods of enzyme immobilization.

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Five (05) marks each. Learners are required to answer any Four (04) questions only. (4×5=20)

1. Write a short note on bioinsecticides.
2. Write a short note on waste water treatments.
3. Explain the methods of transgene integration.
4. Write a short note on green manuring.
5. Describe the industrial uses of enzymes.
6. Write a short note on Liquid-Liquid extraction.
7. Write a short note on Vermicomposting.
8. Describe the use of polymerase chain reaction (PCR) in disease diagnosis in aquaculture.