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Reg. No.....

Name.....

M.Sc. BIOTECHNOLOGY DEGREE (LAST AND FINAL SPECIAL MERCY) EXAMINATION, JANUARY 2025

Fourth Semester

AGRICULUTRE, MEDICINE AND ENVIRONMENTAL HEALTH

(Prior to 2012 Admissions)

Time : Three Hours Maximum Marks : 75

Answer **all** *questions.*

1. Explain the structure and types of Bioreactors. Mention the importance of bioreactors in wastewater treatment.

(15 marks)

2. Write about the importance of biotechnology in the pharmaceutical industry and disease diagnosis

(15 marks)

3. Write Briefly on :

   (a) Biofertilizers and its importance.

   (b) Bioremediation and Biofouling.

   (c) Cryopreservation.

   (d) Immunodiagnostic kits.

   (e) Biological indicators.

   (f) Biodegradation of cellulose and lignin.

   (g) Mutation breeding.

   (h) Methods for germplasm conservation.

   (i) Solid waste management

(9 × 5= 45 marks)