

Roll No.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (BT) (Sem.-6)
BIOTECHNOLOGY & HUMAN WELFARE
Subject Code : BSBT-148-18
M.Code : 79459
Date of Examination : 04-01-2023

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C THREE questions carrying TEN mark each and students have to attempt any TWO questions.

SECTION-A

1. Write briefly :

- a) Define Pollutants.
- b) Define Composting.
- c) What are Bioreactors?
- d) What is alcoholic fermentation?
- e) Define Artificial Insemination.
- f) List names of Microbes involved in Nitrogen Fixation.
- g) Define Protein engineering.
- h) What are biodegradable polymers? Give examples.
- i) What is the role of heeding and weeding in Livestock improvement?
- j) Which microbes work in anaerobic digesters? Give examples.

SECTION-B

2. Write about Nitrogen fixation.
3. Why and how are Proteins engineered?
4. Write a note on Human Genome Project.
5. Briefly discuss development and application of Recombinant live vaccines.
6. Deliberate on Industrial production of alcohols.

SECTION-C

7. Elaborate on objectives and methodologies employed for Livestock improvement.
8. Explain principle and strategies used for development of Biodegradable polymers. Also discuss applications.
9. Discuss Role/applications and methods of forensic biotechnology with special reference to DNA Fingerprinting.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.