



RAN-2203000206026005

B.Sc. (Microbiology) (ATKT) (Semester-VI) Examination March - 2026 Microbiology-XXI (MB-605) Microbial Products (Old)

[Total Marks: 50]

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવર્ણી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book.	Seat No.: <table border="1"> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table> Student's Signature						

- Q-1. Give Specific Answers. 12**
- State the applications of biochips.
 - State any two ideal characteristics of carrier used for the inoculant formulation.
 - Name a bacterial insecticide and viral insecticide.
 - State the full form of SCP and give an example of organism used for its production.
 - What are interferons? State its types.
 - Write benefits of biogas.
- Q-2. Comment/Explain (Any 2) of the Following: 12**
- Bacillus thuringiensis formulations are widely used as biopesticide.
 - Explain in detail biosensors and its types.
 - Submerged process is widely used in citric acid production.
- Q-3. Discuss (Any 2) of the Following: 16**
- Define bioethanol. Explain production of bioethanol using various substrates.
 - Write in detail about properties of enzymes. Give examples of microorganisms producing enzymes.
 - Enlist the micro-organisms used in glutamic acid production. Discuss various factors affecting its production.
- Q-6. Write Short Notes (Any 2) of the Following: 10**
- Rhizobium as biofertilizer.
 - Mushroom production and its application.
 - Immobilization of enzymes.