

RAN-2603000506036001

T.Y.B.Sc. (Sem. VI) Examination March - 2026
MB-MJ-603 : Microbiology : Industrial Microbiology

Time: 2 Hours]

[Total Marks: 25

સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book.
- (2) All questions are compulsory.
- (3) Figures to the right indicate marks of the question.
- (4) Draw neat and labelled diagram wherever necessary.

Seat No.:

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Student's Signature _____

Q. 1 Give specific answers of any five: (05)

- Define : Mutation
- Enlist any two ideal characteristics of inoculum medium.
- Write full form of : ATCC
- Name the devise used for aeration in bioreactor.
- Write the role of baffles in bioreactor
- What is AISI316?

Q. 2 **Comment/Explain any two of the following:** **(10)**

- Describe various carbon sources for production media.
- Discuss isolation and collection of industrially important strain.
- Write a short note on: Test systems

Q. 3 Answer any two of the following: **(10)**

- Write a short note on: Feed batch fermentation.
- Discuss various filtration techniques.
- Discuss liquid-liquid extraction for product recovery.