

RAN-2503000502066004

B.Sc. (Sem. II) (Microbiology) Examination April - 2026
MB-SEC-201 : Conventional Methods for Identification of Bacteria

Time: 1 Hour]
[Total Marks: 13

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book. (2) Each question carries one mark.	Seat No.: <table border="1" style="width: 100%; height: 20px; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> </table> Student's Signature						

Q. 1 Answer the following in short (Attempt any 13 out of 15) (13)

1. What is pure culture?
2. Name any one specific genus of algae used to commercially produce agar.
3. Mention the use of sterile bent glass rod in spread plate technique.
4. Define: Serial dilution
5. True or False?
"The Enrichment culture provides a specifically designed cultural environment which favors the growth of the particular types of organisms and unsuitable for the other types".
6. Mention the use of Micromanipulator.
7. State the advantage of Roll Tube technique in isolation of anaerobes.
8. What can be determined by microscopic examination of stained smears?
9. Name any two colony characteristics observed on solid media.
10. Name the pigment produced by *Pseudomonas aeruginosa*.
11. On what basis the biochemical tests help for identification of microorganisms?
12. What is the purpose of culture collection centers?
13. What are stock cultures?
14. Write one common method of maintaining microbial cultures in laboratory.
15. Give the importance of Gram's staining.