



RAN-2503000504027001

B.Sc. (NCF-NEP) (Sem.-IV) Examination April - 2026

Medical Laboratory Technology (Major-II)

Bacterial Culture Technique (MLT-MJ2-402) (Paper-IX)

Time: 1 Hour]

[Total Marks: 25

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book (2) Q.1 is a compulsory question. (3) Draw diagrams wherever necessary. (4) Figures to the right indicates the marks allotted to the questions.	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. Answer in one or two sentences each: (Any 5) : 05**
1. Mention the two common ways by which we can maintain the stock cultures.
 2. Give examples of differential media for microbial cultivation.
 3. On what basis culture medias are classified?
 4. Give two examples of gram negative bacteria.
 5. What is typing method? Give its use.
 6. Name the organism which gives a positive Indole test.
- Q.2. Answer the following: (Any Two) : 10**
1. Write a note on: Pour plate Technique.
 2. Explain the single cell isolation methods used to obtain pure bacterial cultures.
 3. Write a brief note on methods of preservation in which organisms are in continuous metabolic state.
- Q.3. Attempt the following: (Any Two) : 10**
1. Discuss microscopic examination of unstained and stained preparation.
 2. Mention the identification characteristics of Salmonella spp.
 3. Write a note on: Growth Characterization of bacteria