



RAN-2303000501037001

F.Y.B.Sc. (NEP) (Sem. I) Examination March - 2026

MLT-ME-101 : Medical Laboratory Technology

Instrumentation And Equipment of Medical Laboratory

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	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 Short: (Any five)

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1. Define: pH.
2. The width of cuvette is preferably _____ cm.
3. _____ is a pressurized device designed to heat aqueous solutions to achieve wet sterilization.
4. Which method is used for calibration of pipette?
5. Describe Erlenmeyer flask.
6. What is the use of Condenser?

Q.2. Attempt any Two of the following:

10

1. Draw a labelled diagram of Electrode used in pH meter and explain it.
2. Give a note on types and working principle of centrifuge.
3. Explain various components of a colorimeter.

Q.3. Attempt any Two of the following:

10

1. Write a note on: Care and Maintenance of glassware.
2. Discuss about cleaning and drying of glass wares used in Laboratory.
3. Give detail explanation of Pipettes and Tubes.