

RAN-2503000502027003
F. Y. B. Sc. (Sem.-II) Examination April - 2026
Medical Laboratory Technology (Paper-MLT-MJ2-202)
Laboratory Instruments and Equipments
Time: 1.30 Hours]
[Total Marks: 38

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.: Student's Signature
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- Q. 1. Answer in one or two sentences each: (Any 8) 08**
- What do you mean by magnification of a microscope?
 - Define : Resolution
 - Give the use of condensor.
 - Enlist the components of colorimeter meter.
 - What is a reference electrode?
 - State beers law.
 - Which items can be sterilised using an autoclave?
 - Give the use of incubator.
 - Describe in brief a high speed centrifuge.
- Q. 2. Answer the following: (Any Two): 10**
- Describe the working of a bright field microscope.
 - Write the principle, use and care and maintenance of a bright field microscope
 - Write a note on: Properties of light.
- Q. 3. Attempt the following:(Any Two): 10**
- Write the principle, working and use of pH meter.
 - Discuss the care and maintenance of a pH meter.
 - Describe the components and use of colorimeter.
- Q. 4. Answer the following:(Any Two): 10**
- Write the principle, working and use of Centrifuge.
 - State the principle, components and use of Hot Air Oven.
 - Write a note on : Electrical balance