



RAN - 2503000502027003

**RAN-2503000502027003**

**F. Y. B. Sc. (MLT) Major (Sem. - II) Examination April - 2025**

**Medical Laboratory Technology**

**MLT-MJ-202 : Laboratory Instruments and Equipments**

**Time: 1:30 Hours ]**

**[ Total Marks: 38**

**સૂચના : / Instructions**

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.

**Fill up strictly the details of signs on your answer book**

Name of the Examination:

**F. Y. B. Sc. (MLT) Major (Sem. - II)**

Name of the Subject :

**Medical Laboratory Technology - MLT-MJ-202 :  
Laboratory Instruments and Equipments**

Subject Code No.: **2503000502027003**

Seat No.:

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Student's Signature

- (2) Draw the figures wherever required.  
(3) Figures to the right indicate the marks.

**Q. 1. Answer the following in brief: (Any 8)**

**08**

1. Name the electrodes of pH meter.
2. Who invented pH meter?
3. Define: Refractive index.
4. Write two uses of centrifuge.
5. What is Beer's law?
6. What is full form of RCF?
7. Define: Magnification.
8. Name the biological indicator used in autoclave.
9. What is polychromatic light?

**Q. 2. Answer the following (Any two):**

**10**

1. Explain the components of Bright field Microscopy.
2. Describe the care and maintenance of Bright Field Microscopy.
3. Discuss the working principle of Bright field Microscopy.

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**[ 1 ]**

**[ P.T.O. ]**

**P0506**

**Q. 3. Attempt any the following: (Any two) 10**

1. Write note on components of pH meter.
2. Explain the components of colorimeter.
3. Explain the principle and use of colorimeter.

**Q. 4. Write short note on the following (Any two): 10**

1. Incubator.
  2. Hot air oven.
  3. Weighing balance.
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