

RAN-2503230202040004
P.G.D.M.L.T. (Sem.II) Examination March - 2026
P.G.D.M.L.T.-2004 A: Blood banking and Histocytological Techniques
Time: 3 Hours]
[Total Marks:70

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book (2) Illustrate your answers with diagrams wherever necessary (3) Figures to the right indicate the marks allotted to the questions.	Seat No.: Student's Signature
---	--

- Q. 1. Answer in one or two sentences each: (Any 7): (14)**
- Enlist the blood components which can be transfused when needed
 - Give full form of FNAC
 - What is the importance of citric acid in Blood bag anticoagulant.
 - State the importance of crossmatching.
 - Which antigen is absent in Bombay blood group person
 - Which lectins are used for detection of weaker variant of ABO blood group
 - Which test can be performed for detection of venereal disease*?
 - What is microtome? State its use
- Q. 2. Attempt any two of the following: (14)**
- Discuss Rh typing of a blood group.
 - Describe the H Antigen. Explain its clinical importance in blood typing
 - What is ABO blood grouping? Discuss with regards to tube technique
- Q. 3. Answer any two of the following: (14)**
- Discuss the preparation of blood components and discuss any 1 in detail
 - Write a note on: Criteria of a blood donor.
 - Explain Mandatory Screening tests. Enlist the tests and state their importance.
- Q. 4. Write short notes on any two of the following : (14)**
- HDN
 - Cross matching
 - What are transfusion reactions? classify
- Q. 5. Write short note on any two of the following: (14)**
- Explain how H and E staining helps in observation of Histological samples
 - What is microtomy? Explain different types of microtomes
 - FNAC