



RAN-2503230202010002

PGDMLt (Sem. II) Examination March - 2026

Haematology (Paper - 2001)

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) Answer all the questions. (3) Draw neat and labelled diagrams wherever necessary.	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 Short: (Any Seven) (14)**
- What are different types of blood collection methods?
 - Principle of Sahli's method for Hb estimation.
 - Which vein is preferred for blood collection? What is the use of tourniquet?
 - What is normal differential count?
 - What is the full form and normal range of MCV?
 - Give the full form and normal range of PCV.
 - Which reagent is used in APTT? What is the normal range of APTT?
 - Give the principle of D Dimer test
- Q. 2 Attempt any TWO of the following: (14)**
- Define Blood and give its function.
 - Write a detailed note on Leucopoiesis.
 - Write the advantages and disadvantages of anticoagulants.
- Q. 3 Attempt any TWO of the following: (14)**
- Haemoglobin estimation by Colorimetric method.
 - Causes and types of Thalassemia.
 - Discuss any two screening tests for Sick Cell Anaemia.
- Q. 4 Attempt any TWO of the following: (14)**
- Pathological and Physiological variation in RBC count.
 - Stages and factors affecting ESR.
 - Haemolytic anaemia
- Q. 5 Attempt any TWO short notes of the following: (14)**
- Classification of Leukemia
 - Intrinsic and Extrinsic pathway of coagulation
 - Von Willebrand Disease