

RAN-2603000506048001

T.Y.B.Sc. (Sem. VI) Examination March - 2026
Bioscience (Micro) - Minor-NEP : Hematology & Blood Banking

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. (2) Figures to the right indicate full marks. (3) Draw neat & clean diagram wherever necessary.	Seat No.: <table border="1" style="width: 100%; height: 20px; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> </table> Student's Signature						

Q. 1 Multiple choice questions: (Any Five) (05)

1. What is hematopoiesis?

a. formed elements	b. blood cell formation
c. erythrocyte formation	d. developing RBCs
2. The percentage of erythrocytes in blood is known as the _____.

a. hematocrit	b. buffy coat
c. hemoglobin	d. plasma
3. Which of the following is a coagulation factor?

a. Fibrin	b. Albumin
c. Calcium	d. None
4. Which part of blood can be transfused?

a. Plasma	b. Platelets
c. Red blood cells	d. All
5. Donated blood undergoes screening for which diseases?

a. AIDS	b. Hepatitis B
c. Both AIDS and Hepatitis B	d. Diabetes
6. Which of the following is a transfusion complication?

a. Fever	b. Infection
c. Allergic reaction	d. All

Q. 2 Answer any two of the following. (10)

1. Write a brief account on Leucopoiesis.
2. Describe in brief differential WBC count.
3. Write a note on thalassemia.

Q. 3 Write an essay on Blood grouping techniques. (10)

OR

Q. 3 Answer the following questions. (10)

1. Explain : Screening of blood donor.
2. Write a detailed account on Investigation & Prevention of transfusion reaction.