2203000205026006
EXAMINATION FEBRUARY-MARCH 2024
BACHELOR OF SCIENCE (FIFTH SEMESTER)
MICROBIOLOGY-XVI
(MB-506-HAEMATOLOGY AND BLOOD BANKING) LEVEL 2

[**Time: As per schedule]** **[Max. Marks: 50]**

Instructions:
1. Fill up strictly the following details on your answer book
   a. Name of the Examination : **BACHELOR OF SCIENCE (FIFTH SEMESTER)**
   b. Name of the Subject : **MICROBIOLOGY-XVI (MB-506-HAEMATOLOGY AND BLOOD BANKING) LEVEL 2**
   c. Subject Code No : **2203000205026006**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

Student's Signature

Q.1 Give specific answer: **8**

a. Give any two examples of Anticoagulants.
b. State the function of Eosinophil.
c. State calculation formula for WBC per µL.
d. Define: Haematocrit
e. What are natural Antibodies?
f. Define: Forward typing
g. State the collection sites of capillary blood.
h. State any two adverse reactions of blood donor.

Q.2 Comment/Explain any two of the following: **14**

a. Explain various types of anemia in detail.
b. Enlist types of WBCs and explain their function.
c. Differentiate between autoantibodies and alloantibodies. Explain law of inheritance and sub groups of ABO.

Q.3 Answer any two of the following: **14**

a. Describe major cross matching in depth.
b. Describe erythropoiesis in detail.
c. Discuss total leucocyte count by haemocytometry.

Q.4 Write short note on any two of the following: **14**

a. Rh typing
b. Capillary blood collection
c. Coagulation cascade

*****