

(2)



Group - B

Answer any *four* questions : $5 \times 4 = 20$

9. Define rouleaux formation and its causes. What is reticulocyte and mention its size. $3+(1+1)$
10. Describe thrombopoiesis.
11. What types of precautions are taken during peripheral blood smear preparation? Write the major role of albumin. $3+2$
12. What is hematocrit value? Discuss the merits and demerits of Sahli's method for Hb quantification. $1+4$
13. Describe the types of WBCs with their functions and diameter of each type of cells.
14. Describe the basic differences between Thalassemia major and minor. What is megaloblastic cell? $3+2$

Group - C

Answer any *one* question : $10 \times 1 = 10$

15. Describe the importance of blood clotting time with special reference to the role of clotting factors. How do you differentiate bleeding time and clotting time? Write the technique of clotting time determination. $4+3+3$
 16. Describe the characteristic features of each stage of erythropoiesis. What is the importance of each red cell indices? Define RDW. $5+3+2$
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Total Pages : 2

CCFUP/1st Sem/BMLT/w.e.f.2023-24(NEP)

2025

1st Semester Examination (CCFUP : NEP)

BMLT

Paper : MJ 1-T (Single Core Major)

(Basic Haematology)



Full Marks : 40

Time : Two Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any *five* questions : $2 \times 5 = 10$

1. Differentiate between Plasma and Serum.
2. What are the advantages of biconcave shape of RBCs?
3. What is Arneht index?
4. Name any two plasma proteins.
5. What is the composition of Leishman stain?
6. Write the significance of platelets count in diagnostic laboratory.
7. What is the significance of Rh typing?
8. Name the stages of leucopoiesis.

P.T.O.