



বিদ্যাসাগর বিশ্ববিদ্যালয়

**VIDYASAGAR UNIVERSITY**

**BMLT**

**3rd Semester Paramedical Examination 2021**

**HAEMATOLOGY**

**PAPER—VII (Unit-14)**

**(Practical)**

*Full Marks : 50*

*Time : 4 Hours*

*The figures in the right-hand margin indicate full marks.*

*Candidates are required to give their answers in their own words as far as practicable.*

*Illustrate the answers wherever necessary.*

**Group - A**

Answer any *two* questions.

2×20

1. Describe the methods of blood film preparation by Leishman Giemsa stain. Write the composition of this stain. What are the precaution should be taken at the time of blood collection from vein. What is WBC fluid? Write down the procedure of PCV determination. 10+2+2+2+4

2. Write down the procedure of ESR by Wintrob method. State its principle. What is MCHC? How could you calculate MCH? Write the differences between MCH and MCV. Briefly describe a suitable methods of thrombocyte quantification. 8+2+1+2+3+4
3. Describe the principle, methods and normal value of haemoglobin estimation by Drabkin's colorimetric procedure. Write the procedure of total count of RBC. (3+10+2)+5
4. Elaborate the quantification methods of reticulocytes. What is bleeding time? State its normal value. Write the methods of bleeding time determination. Write the clinical significance of prothrombin time (PT). 8+1+1+8+2

**Group - B**

Answer any *one* question. 1×10

5. Step by step describe the slide identification methods of thalassemia. State the importance of this test. 8+2
6. Write down the procedure of clotting time determination. Describe the screening test for sickle cell anemia. 5+5

—