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RNLKWC(A)/BMLT/XXIX/SEM-V/2023

2023

B.Sc.

B.Sc. Fifth Semester End Examination - 2023

BMLT

PAPER - XXIX

Blood Transfusion and Blood Bank

Full Marks : 40

Time : 2 hours

The figures in the right-hand margin indicate marks.

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

Illustrate the answers wherever necessary.

Group - A

1. Answer any five questions of five following : 2×5=10

- (a) What is Plasma Aphaeresis?
- (b) What is "H" Gene?
- (c) Define "TRALI".
- (d) Write the difference between "SDP and RDP".
- (e) What is "Sensivity and Specificity" of Serological Test?
- (f) Write the defination of "Heamovigilance."
- (g) Write advangates of "Major Crossmatching".

(Turn Over)

(2)

Group - B

2. Answer any four questions of the following : $5 \times 4 = 20$

- (a) What is HDN?
How could you select the food for exchange transfusion in case of HDN. $2+3=5$
- (b) Make a chart of storage temperature and self life of different blood components. $2\frac{1}{2}+2\frac{1}{2}=5$
- (c) Write the principle, procedure and preparation of CuSO_4 solution for haemoglobin estimation in blood donation camp. $1+2+2=5$
- (d) Write the short notes on :- (Any two)
- (i) 'Rh'-Blood Group System
- (ii) Weak-D-Antigen
- (iii) Column Agglutination Technology. $2\frac{1}{2} \times 2 = 5$
- (e) Write down the 'Biomedical Waste Management' in BTS. 5
- (f) As a Medical Technologist in Blood Bank what are the different roles you should play in Blood Bank. 5

(3)

Group - C

3. Answer any one question of the following : $10 \times 1 = 10$

- (a) What is IAT? Write the principle, procedure and application of IAT in Blood Bank. $1+2+4+3=10$
- (b) What is "Window Period"?
What are the tests that should be performed after collection of blood in 'Blood Bank'?
Write the principle & procedure of "HBsAg" - Test by ELISA Method. $2+2+2+4=10$