

Roll No. ....

181935/121935/031945

### 3rd Sem. / MLT

**Sub: Transfusion Medical (Blood Banking)**

Time : 3 Hrs.

M.M. : 100

## SECTION-A

**Note: Multiple type Questions. All Questions are compulsory. (10x1=10)**

- Q.1 How many type of coomb test are?  
a) 01                                      b) 2  
c) 3                                         d) 4
- Q.2 Expand HCV.  
a) High Carrier Virus                  b) Hepatitis C Virus  
c) Both                                      d) None
- Q.3 Which blood group is universal donor  
a) A    b) B  
c) O    d) AB
- Q.4 How long can blood stored with CPD?  
a) 12 days                                  b) 35 days  
c) 21 days                                  d) 48 days
- Q.5 The indirect coombs test measures\_\_\_\_\_.  
a) Serum                                    b) Antibodies  
c) WBC                                      d) None of these

(1) 181935/121935/031945

- Q.6 Which method is used for HIV detection
- a) Western Blot                      b) Gram Stain
- c) Field Stain                      d) H & D Stain
- Q.7 What is the Molecular Weight of IgD?
- a) 1,84,000                      b) 1,80,000
- c) 1,90,000                      d) 1,50,000
- Q.8 The amount / Volume of blood collected at one time is
- a) 450 millimetres                      b) 1 Litre
- c) 5 litre                      d) 2 litre
- Q.9 If the blood group of an individual is A then the antibody present is
- a) Anti B antibodies                      b) Anti A antibodies
- c) Anti O antibodies                      d) Anti AO antibodies
- Q.10 Bovine albumin concentration in cross matching is
- a) 32%                      b) 22%
- c) 100%                      d) 50%

## SECTION-B

**Note: Objective type questions. All questions are compulsory. (10x1=10)**

- Q.11 Transfer of blood from one person to another is called\_\_\_\_\_.
- Q.12 Define Agglutination.
- Q.13 Define antibody?

(2) 181935/121935/031945

- Q.14 Define blood banking.
- Q.15 ABO blood group system was discovered by \_\_\_\_.
- Q.16 Label color for blood group AB is \_\_\_\_.
- Q.17 AGT is also known as \_\_\_\_.
- Q.18 Define Antigenicity.
- Q.19 Name any two tests for screening HIV in donor blood.
- Q.20 Write various types of blood transfusion reactions.

### SECTION-C

**Note: Short answer type Questions. Attempt any twelve questions out of fifteen Questions. (12x5=60)**

- Q.21 Enlist the Criteria of a blood Donor.
- Q.22 Give principle of cross matching.
- Q.23 Why blood grouping is important in transfusion.
- Q.24 Define Antigen & Explain types of antigen.
- Q.25 Write down the principle of Rh blood grouping.
- Q.26 Write a short note on HCV.
- Q.27 List various blood components.
- Q.28 Write the advantages and disadvantages of double oxalate anticoagulants.
- Q.29 Write a short note on packed cells.
- Q.30 Describe the advantages and disadvantages of Heparin.
- Q.31 Write the method for screening of blood donor for VDRL.

- Q.32 Write the preparation, preservation and uses of PRP.
- Q.33 Write a short note on Rh antigen.
- Q.34 Write the composition of CPDA-1 anticoagulant solution.
- Q.35 Explain the procedure of direct Coombs test.

### SECTION-D

**Note: Long answer questions. Attempt any two questions out of three Questions. (2x10=20)**

- Q.36 Classify types of blood transfusion. Explain any two type in detail.
- Q.37 Write down the principal & procedure of ABO blood grouping.
- Q.38 Define Antibody. Explain Classification of Antibodies.