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**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

- 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?

- 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 groping 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.