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Roll No. ....

181935/121935/31945

**MLT**  
**Subject:- Transfusion Medicine**

Time : 3Hrs.

M.M. : 100

**SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory  
(10x1=10)

Q.1 Who discovered rh blood group?

- a) James                    b) Karl Landsteiner  
c) Hektoen                d) Richard

Q.2 What are haptens?

- a) Antigen                b) hormones  
c) acids                    d) all

Q.3 How many type of comb test is ?

- a) 01                      b) 2  
c) 3                        d) 4

Q.4 Small site present on antigen surface is \_\_\_\_\_

- a) Atom                    b) Compound  
c) Epitope                d) none

Q.5 Expand HCV

- a) High carrier virus    b) Hepatitis  
c) virus                    d) None

- Q.6 Name of a natural anticoagulant  
a) Heparin                b) antiserum  
c) both                    d) none
- Q.7 Antigen that procedure antibody is called \_\_\_\_\_  
a) Bone marrow            b) goblet  
c) B cells                  d) all
- Q.8 Which test is performed to check the compatibility of recipient and donor blood  
a) Vidal                    b) HCV  
c) HIV                      d) Cross matching
- Q.9 Expand CPD  
a) citrate phosphate dextrose  
b) counting process desk  
c) both  
d) none
- Q.10 Which parasite causes the malaria  
a) Roundworm             b) Plasmodium  
c) both                      d) none

**SECTION-B**

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

Q.11 Expand ACD

Q.12 Give the name of antibody which occurs naturally

Q.13 Define haemolytic transfusion reaction

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- Q.14 Transfer of blood from one person to another is called \_\_\_\_\_
- Q.15 Expand ELISA
- Q.16 What are anticoagulants
- Q.17 Any substance that interacts with antibodies is called \_\_\_\_\_
- Q.18 Mention the range of Hb required for a blood donor.
- Q.19 Define clot retraction
- Q.20 What is post transfusion purpura

### SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21 Define EDTA & explain its Merits & Demerits
- Q.22 Enlist the Criteria for Rejection of a Donor.
- Q.23 Explain AHG Cross Matching Test.
- Q.24 What are antibody classify them.
- Q.25 Outline the procedure for collection of the blood.
- Q.26 Write the principle & importance of Indirect Coombs Test.
- Q.27 Write the Importance of blood grouping.
- Q.28 Explain Albumin Test method.
- Q.29 Screening of blood Donor for MP.
- Q.30 Explain Blood Compatibility Test.

- Q.31 Define Antigen & explain any one type of antigen.
- Q.32 Write the important Historical date & Scientific Name in blood banking.
- Q.33 Write down the principle of Direct Coombs Test.
- Q.34 Explain Immune Mediated reactions
- Q.35 Give the Composition of CPD Anticoagulants.

### SECTION-D

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

- Q.36 Write a short note on following:
- Non immunological blood transfusion Reaction
  - Febrile Non Haemolytic transfusion Reaction
- Q.37 What is rejected Donor? Write ten points of rejection for donor.
- Q.38 Write down the principle & procedure of RH blood grouping?