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181935/121935/031945

**3rd Sem / Branch : MLT**

**Subject:- Transfusion Medicine  
(Blood Banking)**

Time : 3Hrs.

M.M. : 100

**SECTION-A**

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

Q.1 rh blood group system is discovered by.....

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

Q.2 What are hapten ?

- a) Antigen
- b) Hormones
- c) Acids
- d) All

Q.3 How many types 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 HCV stands for

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

Q.6 Name of a natural anticoagulant

- a) Heparin
- b) Antiserum
- c) Both
- d) None

Q.7 Antigen that produce 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) Widal
- 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

Q.14 Transfer of blood from one person to another is called \_\_\_\_\_

Q.15 Expand ELISA

Q.16 What are anticoagulants

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- 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 Expand EDTA & explain its Merit & 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 Give the principle of Indirect Coombs Test.
- Q.27 Write the Importance of blood grouping
- Q.28 Explain VDRL Test as screening method for blood transfusion
- Q.29 Give the 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 & names of Scientist in blood banking
- Q.33 Write down the principle of Direct Coombs Test.

- Q.34 Give the therapeutic uses of PRBC
- 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:
- i) Non immunological blood transfusion Reaction
  - ii) 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 ?