

No. of Printed Pages : 4 181935/121935/031945
Roll No.

3rd Sem / Branch : MLT
Sub.: Transfusion Medicine (Blood Banking)

Time : 3Hrs. M.M. : 100

SECTION-A

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

- Q.1 Blood group antigens are found on the surface of
a) RBC b) WBC
c) Plasma d) Platelets
- Q.2 All anti-coagulants binds Ca⁺⁺ except.
a) Heparin b) Double oxalate
c) Sodium citrate d) Platelets
- Q.3 How many type of comb test are?
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
c) Both d) None

(1) 181935/121935/031945

- Q.6 Which is a natural anticoagulant
a) Heparin b) Antiserum
c) Both A & B d) None
- Q.7 Antigen that produce antibody is called _____.
a) Bone marrow b) Goblet
c) B Cells d) All
- Q.8 Which blood group is universal donor
a) A positive b) B Positive
c) O Positive d) O Negative
- Q.9 Expand CPD
a) Citrate phosphate dextrose
b) Counting process desk
c) Both
d) None
- Q.10 Which cell has the shortest life span
a) RBC b) Lymphocytes
c) Platelets d) None

SECTION-B

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

- Q.11 _____ test is also known as antiglobulin test.
- Q.12 Give the name of antibody which can cross placenta.
- Q.13 FFP stands for _____.

(2) 181935/121935/031945

- Q.14 Transfer of blood from one person to another is called_____.
- Q.15 Expand RIA.
- Q.16 What are anticoagulants.
- Q.17 Any substance that interacts with antigen is called_____.
- Q.18 Mention the age for a blood donor.
- Q.19 Expand DIC.
- Q.20 _____ is a test for cross matching.

SECTION-C

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

- Q.21 Explain Merits & Demerits of EDTA
- Q.22 Enlist the Criteria of a blood Donor.
- Q.23 Explain Cross Matching Test.
- Q.24 Give the classification of antibodies.
- Q.25 Outline the procedure for collection of the blood.
- Q.26 Give the principle of Indirect Coombs Test.
- Q.27 Write Screening of blood Donor for MP.
- Q.28 Explain about heparin with its advantages.
- Q.29 Why blood grouping is important in transfusion.
- Q.30 Explain the screening for VDRL. test.
- Q.31 Define Antigen & Explain any one type of antigen.

(3) 181935/121935/031945

- Q.32 Write about the history of transfusion reaction.
- Q.33 Write down the principle of Direct Coombs Test.
- Q.34 Explain Immune Mediated reactions.
- Q.35 Write the composition of CPD Anticoagulants.

SECTION-D

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

- Q.36 Explain about various immune mediated transfusion reactions in detail.
- Q.37 Who is rejected Donor? Write ten points of rejection for donor.
- Q.38 Write down the principal & procedure of RH blood grouping?

(2120)

(4) 181935/121935/031945