

- Q.29 Explain the principle and applications of Indirect Coombs test.
 - Q.30 Explain AHG Cross Matching Test.
 - Q.31 Write down about Albumin Test method.
 - Q.32 Describe Screening of blood Donor for MP.
 - Q.33 Define Antibody & explain any two Antibody.
 - Q.34 Write the important Historical date & Scientific Name in blood banking.
 - Q.35 Explain Immune Mediated reactions.

SECTION-D

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

- Q.36 Write down the principle & procedure of Rh blood grouping?

Q.37 Write a short note on following:

 - Non immunological blood transfusion reaction.
 - Transfusion Reaction due to circulatory overload.

Q.38 Explain Requirement and procedure of blood collection in Blood Bank

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3rd Sem / MLT
Subject:- Transfusion Medicine (Blood Banking)

Time : 3Hrs. M.M. : 100

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SECTION-A

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

- Q.1 All anticoagulants binds Ca ion except.

 - a) Heparin
 - b) Double oxalate
 - c) Sodium citrate
 - d) Platelets

Q.2 Small site present on antigen surface is

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

Q.3 The blood group among these is universal acceptor

 - a) A
 - b) B
 - c) O
 - d) AB

Q.4 Donor serum & patient cells are used in which type of cross matching?

 - a) Major Cross Matching
 - b) Minor Cross Matching
 - c) Both I & II
 - d) None of above

- Q.5 The D antigen is present in
a) Platelets b) RBCs
c) WBCs d) None of these
- Q.6 The process of transfer of human blood is known as:
a) Transfusion b) Processing
c) Transporting d) Transferring
- Q.7 Storage period of blood with CPDA 1 is
a) 28-35 days b) 1 year
c) 7-14 days d) 10 days
- Q.8 Who discovered Rh blood group?
a) James b) Karl Landsteiner
c) Hektoen d) Richard
- Q.9 Which test is performed to check the compatibility of recipient and donor blood
a) Vidal b) HCV
c) HIV d) Cross matching
- 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. $(10 \times 1 = 10)$

Q.11 _____ test is also known as antiglobulin test

- Q.12 FFP stands for _____
- Q.13 Name the anticoagulants used in Blood Bank.
- Q.14 Define Transfusion?
- Q.15 Write two types of coombs test.
- Q.16 _____ discovered ABO blood group system.
- Q.17 Expand CPDA.
- Q.18 Write the composition of ACD solution.
- Q.19 Define haemolytic transfusion reaction.
- Q.20 Mention the range of Hb required for a blood donor.
- SECTION-C**
- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. $(12 \times 5 = 60)$
- Q.21 Write a short note on Cross Matching Test.
- Q.22 Explain the screening for VDRL test.
- Q.23 Write down the Types of Coombs Test.
- Q.24 Write a short note on Haemolytic transfusion reaction.
- Q.25 Write down the Medical Examination of a Donor.
- Q.26 Write the principle of platelet rich plasma.
- Q.27 Write the principle & importance of Indirect Coombs Test.
- Q.28 Write the procedure for screening of blood donor for VDRL.