

No. of Printed Pages : 4

Roll No.

121935/031935

3rd Sem. / MLT

Subject : Transfusion Medicine (Blood Banking)

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note:Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1
- a) Expand AIDS
 - b) Name the site of collection of blood from human body.
 - c) What are haptens.
 - d) Define 'Cryopreservation'.
 - e) Mention the function of platelets.
 - f) What are plasma cells.
 - g) Define Thrombosis.
 - h) What is passive immunity.

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- i) Define Thrombocytopenia.
- j) Expand ACD
- k) What are anticoagulants.
- l) Name two disease caused by wrong transfusion reactions.
- m) Expand CPDA
- n) What are allergic reactions give example.
- o) What are plasma proteins. Give examples.
- p) Define electrophoresis.
- q) Expand PCV and Define it.
- r) What is minor cross match.

SECTION-B

Note:Short answer type questions. Attempt any ten parts 10x4=40

- Q.2
- i) Enlist the characteristics of an ideal Blood donor.

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- ii) Describe the method for storage of blood.
- iii) What are anticoagulants classify them.
- iv) What are antigen classify them.
- v) Describe the principle of Rh Grouping.
- vi) Write a short note on ABO Blood grouping.
- vii) Describe the screening of Blood donors for VDRL
- viii) Describe the importance of Direct coombs test.
- ix) Write about uses of PRP (Platelet Rich Plasma)
- x) How does screening of blood donors for HCV Carried out .
- xi) Write about the methods of preparation of Fresh Frozen plasma.
- xii) Define Cross matching Give its types
- xiii) Write a note on performing Rh grouping by slide technique.

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- xiv) What is direct coomb test Give its principle
- xv) Define antibody. Describe its structure.

SECTION-C

Note: Long answer type questions. Attempt any three questions. 3x10=30

- Q.3 Describe the various blood subgroups in detail in ABO Blood group system.
- Q.4 Describe about different types of anticoagulants with their advantages and disadvantages.
- Q.5 Write an account on historical background of blood banking.
- Q.6 What are blood Transfusion reactions Explain in detail.
- Q.7 Describe various methods and procedures for indirect coomb test.

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