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Roll No.

221935

**3rd Sem. / DMLT, DMLT (For Speech and Hearing Impaired)
Subject:- Transfusion Medicine**

Time : 3 Hrs. M.M. : 60

SECTION-A

Note: Multiple type Questions. All Questions are compulsory. (6x1=6)

- Q.1 Storage period of blood with CPDA1 is _____.
a) 28-35 days b) 7-14 days
c) 1 year d) 10 days
- Q.2 How many types of coomb test is?
a) 01 b) 2
c) 3 d) 4
- Q.3 Antigens are present on surface of _____.
a) RBC b) Comound
c) Epitope d) None
- Q.4 Name of a natural anticoagulant
a) Heparin b) Antiserum
c) Both d) None
- Q.5 Who discovered ABO blood group?
a) James b) Karl Landsteiner
c) Hektoen d) Richard

- Q.6 Expand CPDA.
a) Citrate Phosphate Dextrose Adenine
b) Counting process desk
c) Cell Phosphate dilution
d) None

SECTION-B

Note: Objective/Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Define blood banking.
Q.8 Rh antigen was discovered by _____ in _____.
Q.9 Platelet rich plasma is stored as _____ degree Celsius.
Q.10 Define Immunogen.
Q.11 Define Immunoglobulins.
Q.12 How many blood groups are present. Name them.

SECTION-C

Note: Short answer type Questions. Attempt any eight questions out of ten Questions. (8x4=32)

- Q.13 Enlist the criteria for rejetron of a donor.
Q.14 Mention the principle of Rh blood grouping.
Q.15 Explain the platelet rich plasma.
Q.16 Write about the classification of antibodies.
Q.17 Write down about FFP.

- Q.18 Write principle and procedure of direct coomb's test.
- Q.19 Mention about the method of preparation of packed cells.
- Q.20 What are anticoagulant used in Blood Bank.
- Q.21 Give a explanatory note on blood collection procedure in Blood Bank.
- Q.22 Illustrate various type of antigen present Rh blood group system.

SECTION-D

Note: Long answer questions. Attempt any two questions out of three Questions. $(2 \times 8 = 16)$

- Q.23 Give a detailed account on ABO blood grouping.
- Q.24 Write about the different kind of blood transfusion reactions. Explain any two in detail.
- Q.25 Describe different types of cross matching. Also explain any method for cross matching.