DRR-3292
Third Year B. Sc. (Medical Technology)
(Sem. VI) Examination
March / April - 2016
MT-21 : Blood Banking

Time : 2 Hours] [Total Marks : 50

Instructions :
(1) Fill up strictly the details of signs on your answer book.
Name of the Examination : THIRD YEAR B. SC. (MEDICAL TECHNOLOGY) (SEM. 6)
Name of the Subject : MT-21 : BLOOD BANKING
Subject Code No. : 3 2 9 2 Section No. (1,2,.....) : NIL

(2) Answer all the questions.
(3) Draw neat and labelled diagrams wherever necessary.
(4) Figures to the right indicate full marks of the question.

1 Answer the following : 10
(a) Which major alleles the ABO blood group system has?
(b) If a women is Rh negative and her husband is heterozygous for D, then probability that the child will inherit D is?
(c) Which type of blood should be given to a patient in an emergency situation when there is no time to type patient’s sample ? Why ?
(d) Which blood group is known as universal donor blood group ? Why ?
(e) List causes of positive result in cross match test.

2 Write in details on any two of the following : 12
(a) Serum grouping and its importance.
(b) Lewis blood group system.
(c) Weaker variants of Rh blood group system.

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[Contd...
3 Write an essay on any one of the following:

(a) Describe in detail about transfusion reactions.
(b) Give an account of blood collection in blood banking.

4 Write short note on any two of the following:

(a) ABO blood group system
(b) Indirect Coomb’s test
(c) Preparation of Platelet concentrate
(d) ABO hemolytic disease of the new born.