



**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)

नीचे दशावेक निशानीवाणी विगतो उत्तरवही पर अवश्य दपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="THIRDYEAR B. Sc. (MEDICAL TECHNOLOGY) (SEM. 6)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="MT-21 : BLOOD BANKING"/>	<input type="text"/>
Subject Code No. : <input type="text" value="3"/> <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="2"/>	<input type="text"/>
Section No. (1, 2,.....) : <input type="text" value="NIL"/>	
Student's Signature	

- (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.

- 3 Write an essay on any one of the following : 14
- (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 : 14
- (a) ABO blood group system
  - (b) Indirect Coomb's test
  - (c) Preparation of Platelet concentrate
  - (d) ABO hemolytic disease of the new born.
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