



AD-3292
Third Year B. Sc. (Sem. VI) Examination
March/April – 2015
Medical Technology : Paper MT - 21
(Blood Banking)

Time : 2 Hours]

[Total Marks : 50

Instructions :

(1)

<p>नीचे दर्शावेक निशानीवाणी विगतो उत्तरवही पर अवश्य लपनी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : THIRD YEAR B. SC. (SEM. VI)</p> <p>Name of the Subject : MEDICAL TECHNOLOGY : PAPER MT - 21</p> <p>Subject Code No. : 3 2 9 2 Section No. (1, 2,.....): Nil</p>	<p>Seat No. :</p> <table border="1" style="width: 100%; height: 20px;"><tr><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td></tr></table> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center; margin-top: 10px;">Student's Signature</div>						

- (2) Draw labelled diagram where needed.
- (3) Figures to the **right** indicate full marks of the question.

- 1 Give Answer in Brief: 10
- (a) Define bleeding time and prothombin time.
 - (b) Describe donor selection criteria in brief.
 - (c) Storage temperature and expiry of red cell concentrate and fresh frozen plasma
 - (d) Justify: Rh Antibodies are immune antibodies.
 - (e) Write the significance of H gene in Bombay phenotype.
- 2 Answer any **two** of the following. 12
- (a) Explain tests to detect abnormalities of Hemostasis.
 - (b) Explain Indirect antiglobulin test with principle and clinical significance.
 - (c) Write notes on Rh blood group system.

3 Describe various Mandatory tests for blood units in detail. **14**

OR

3 Describe X-matching procedure in detail.

4 Write Short Notes on any two of the following. **14**

(a) Protocol of Investigation of Transfusion reaction

(b) Tapping of donor

(c) Tube method for ABO Blood Grouping

(d) Preparation of Platelet Concentrate
