



RB-5053

Diploma in Blood Bank Technology Examination

April / May – 2010

**Blood Banking : Blood Donation &
Blood Components : Paper - III**

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दर्शायेव निशानीवाणी विगतो उत्तरवडी पर अवश्य वपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
Diploma in Blood Bank Technology	<input type="text"/>
Name of the Subject :	<input type="text"/>
Blood Banking : Bl. Donation & Bl. Compo. - 3	<input type="text"/>
Subject Code No. : <input type="text"/> 5 <input type="text"/> 0 <input type="text"/> 5 <input type="text"/> 3	<input type="text"/>
Section No. (1, 2,.....): <input type="text"/> 1&2	<input type="text"/>
	Student's Signature

- (2) Use **separate** answer books for each section
- (3) Draw diagrams whenever necessary
- (4) Figures to the right indicate full marks.

**SECTION - I : BLOOD BANKING :
BLOOD DONATION**

1 Discuss Role of motivation in Blood Banking. 15

OR

1 Discuss Preservation technique in blood banking.

2 Write short notes any **three** (of five) 15

- (1) Donor selection criteria
- (2) Hb screening methods
- (3) Pre donation counselling
- (4) Blood units transportation
- (5) Apheresis procedures

- 3** Answer in brief : **5**
- (1) What is autologous blood donation?
 - (2) Names of apheresis products
 - (3) What is additive solution?
 - (4) Mandatory screening of blood units;
 - (5) Types of blood donors.

**SECTION - II : BLOOD BANKING :
BLOOD COMPONENTS**

- 4** Discuss transportation and storage of blood components. **15**
- OR**
- 4** Discuss blood substitutes.
- 5** Write short notes – any **three** (of five) **15**
- (1) Labelling of components
 - (2) FFP
 - (3) Leucocyte filters
 - (4) Inventory management in blood bank (TTI)
 - (5) Blood bag selection for components
- 6** Answer in brief **5**
- (1) Names of blood components
 - (2) What is synthetic blood?
 - (3) What is plasma fractionation?
 - (4) Storage temperature of Frozen RBCs;
 - (5) Preparation of washed RBC.