

**IMMUNOHEMATOLOGY & TRANSFUSION MEDICINE**

PAPER – III

IMHT/D/15/15/III

Time : 3 hours

Max. Marks : 100

**Important instructions:**

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

**Write short notes on:**

1.	a) What is intrauterine transfusion?	2
	b) How will you select a unit of blood for intrauterine transfusion?	4
	c) Current status in management of Rh immunized patients	4
2.	a) Pathogenesis of Thrombotic Thrombocytopenic Purpura (T.T.P)	5
	b) Plan Therapeutic Plasma exchange in a case of T.T.P	5
3.	a) What is Process flow mapping?	2
	b) What is the importance of flow mapping?	3
	c) Draw process flow map of your component laboratory.	5
4.	a) Mutants of Hepatitis B virus.	5
	b) Their importance in Transfusion Medicine in relation to Blood Safety.	5
5.	a) Define "Near Miss Events".	5
	b) Strategies to prevent near miss events in Blood Transfusion Medicine.	5
6.	Investigations and management of a 06 days old infant who is having petechial hemorrhages and low platelet count.	5+5
7.	a) Enumerate alternatives to plasma transfusion.	5
	b) What are their clinical uses?	5
8.	a) Blood Donor Notification.	5
	b) Look Back Phenomenon.	5
9.	a) Investigations and management of an acute transfusion reaction case due to transfusion of bacterially contamination Blood component.	5
	b) What measures you would take to prevent bacterial contamination of blood?	5
10.	Processes to improve the efficiency and Quality Assurance of Component Laboratories.	10

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