

IMMUNO HEMATOLOGY & BLOOD TRANSFUSION  
PAPER-III

IHBT/J/18/15/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:

- Indications for Fresh Frozen Plasma (FFP) Transfusion. 5+5
  - Factors affecting the Quality of FFP.
- Define Near Miss Events. 3+7
  - Strategies to prevent near miss events in Transfusion Medicine.
- What is Intrauterine Transfusion and how will you select a unit of blood for intrauterine transfusion? 5+5
  - Its current role in management of Rh immunized patients.
- Harvesting of Stem Cells. 5+5
  - Preservation of stem cells.
- ABO Incompatible Renal Transplantation. 5+5
  - Enumerate strategies to improve graft survival for the same.
- What is Haemovigilance? 5+5
  - Discuss its basic concepts and status in India.
- What is window period of Infection and mention types of Window period. 4+6
  - Discuss strategies to prevent/reduce window period.
- What are Quality System essentials? 5+5
  - What are the various quality indicators for blood bank?
- Enumerate alternatives to Plasma Transfusion. 5+5
  - What are their clinical uses?
- Mechanism of Heparin induced Thrombocytopenia. 5+5
  - Discuss its laboratory diagnosis.

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