

FINAL EXAM
JUNE 2018

NATIONAL BOARD OF EXAMINATIONS

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:

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