

IMMUNOHEMATOLOGY AND BLOOD TRANSFUSION
PAPER-IIITime: 3 hours
Max. Marks:100

IMHT/J/20/15/III

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. Role of transfusion medicine specialist in ABO incompatible Kidney Transplant. 10
2. Pathophysiology, diagnosis and management of fetal and neo-natal alloimmune thrombocytopenia. 10
3. a) Functions of Hospital Transfusion Committee. 5+5
b) Rational use of blood components.
4. a) Cryopreservation of peripheral blood stem cells. 5+5
b) Factors affecting the quality of cryopreserved stem cells.
5. a) Pathogenesis of Transfusion Associated Acute Lung Injury (TRALI). 5+5
b) Strategies for prevention of TRALI.
6. a) Massive Transfusion Protocols. 5+5
b) How will you minimize the common side effects of massive transfusion?
7. a) Pathogenesis of trauma induced coagulopathy. 5+5
b) Blood component therapy in the management of trauma induced coagulopathy.
8. a) Methods of quantification of anti-D in an immunized mother. 5+5
b) Clinical significance of anti-D quantification in the management of immunized mother.

P.T.O.

