

IMMUNOHAEMATOLOGY & BLOOD TRANSFUSION**PAPER-II**Time: 3 hours
Max. Marks:100

IMHT/J/19/15/II

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) Define Reagent Red Cell Panels. 5+5
b) Describe requirements for preparation of reagent Red Cell Panels.
2. a) Define Transfusion probability, Transfusion index & Cross match to transfusion Ratio. 5+5
b) Discuss their application in improving clinical transfusion practice.
3. a) Define Massive Transfusion. 5+5
b) Briefly discuss the current massive transfusion protocols and complications of massive transfusion.
4. a) Discuss important points to be considered while selecting reagent antisera for Pre transfusion testing. 5+5
b) Quality control criteria for anti-A anti sera.
5. a) Indications for Fresh Frozen Plasma [FFP]. 5+5
b) Quality control criteria and factors affecting FFP quality.
6. Autologous transfusion in transfusion practice. 10
7. a) Define Apheresis and its types. 5+5
b) Relative merits and demerits of Single donor and random donor platelets.
8. Temporary and permanent for Donor Deferral criteria and recent amendments in the same in our country. 10
9. a) Define Haemovigilance. 5+5
b) Reporting of Adverse Donor reactions & Mismatched transfusion reactions.
10. a) Classify adverse effects of transfusion. 5+5
b) How would you plan investigation in a case of acute hemolytic transfusion reaction?
