

IMMUNO HEMATOLOGY & BLOOD TRANSFUSION
PAPER-II

IHBT/J/18/15/II

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:

- a) What is Polyagglutination and discuss its laboratory diagnosis. 5+5
 - b) Describe the various types of Polyagglutination.
- a) Various steps involved in pretransfusion testing of a patient with positive autocontrol. 5+5
 - b) Indications, principle, and utility of Antiglobulin Test.
- a) Indications and criteria for Autologous Transfusion. 5+5
 - b) What is Intra Operative Haemodilution?
- a) What are the various non infectious adverse effects of blood transfusion? 5+5
 - b) How will you investigate a case of immune haemolytic transfusion reaction?
- a) Discuss the methods and indications of Leucoreduction. 5+5
 - b) What are the advantages of Leucoreduction.?
- a) ABO discrepancies observed during forward and reverse Blood Grouping. 5+5
 - b) How will you resolve ABO discrepancies?
- a) Pathogenesis of TTP (Thrombotic Thrombocytopenic Purpura). 5+5
 - b) Therapeutic Plasmapheresis in TTP.
- a) What are Reagent Red Cell Panels? 5+5
 - b) Describe the various requirements for preparation of Reagent Red Cell Panels.
- a) Define Transfusion Probability, Transfusion index and Cross Match Ratio. 5+5
 - b) What is their significance in Transfusion Medicine?
- a) What are the requirements of an outdoor blood donation camp? 5+5
 - b) Discuss the various preparations for an outdoor camp.
