



**IMMUNOHEMATOLOGY & TRANSFUSION MEDICINE**

**PAPER – II**

IMHT/D/14/15/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:

1. a) Different types of ABO discrepancies. 5+5  
b) Methods of resolution of ABO discrepancies.
2. a) Current protocols for exchange transfusion. 5+5  
b) Indications for exchange transfusion.
3. Variants of Rh system & its clinical significance. 5+5
4. Immunohaematological monitoring in a case of ABO mismatched Bone Marrow Transplantation. 10
5. a) Classify adverse effects of blood transfusion. 3+7  
b) How will you investigate a case of acute hemolytic transfusion reaction?
6. a) Steps taken in the evaluation of auto antibodies. 5+5  
b) Transfusion support of a patient with warm autoimmune haemolytic anaemia.
7. a) What are the requirements of an outdoor blood donation camp? 5+5  
b) Discuss the various preparations for an outdoor camp where about 200 donors are expected.
8. a) Detail continuous flow platelet pheresis. 5+5  
b) Merits and demerits of various machines employing the process.
9. a) Application of solid phase technology in immunohaematology 5+5  
b) How will you perform Quality Control of Anti D and AHG (Anti Human Globulin) Reagent?
10. a) Enumerate various blood sparing strategies during elective surgery. 4+6  
b) Role of various point-of-care test agents in decreasing transfusion requirements.

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