IMMUNOHEMATOLOGY & TRANSFUSION MEDICINE

PAPER – 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.
   b) Methods of resolution of ABO discrepancies.

2. a) Current protocols for exchange transfusion.
   b) Indications for exchange transfusion.

3. Variants of Rh system & its clinical significance.

4. Immunohaematological monitoring in a case of ABO mismatched Bone Marrow Transplantation.

5. a) Classify adverse effects of blood transfusion.
    b) How will you investigate a case of acute hemolytic transfusion reaction?

6. a) Steps taken in the evaluation of auto antibodies.
    b) Transfusion support of a patient with warm autoimmune haemolytic anaemia.

7. a) What are the requirements of an outdoor blood donation camp?
    b) Discuss the various preparations for an outdoor camp where about 200 donors are expected.

8. a) Detail continuous flow plateletpheresis.
    b) Merits and demerits of various machines employing the process.

9. a) Application of solid phase technology in immunohaematology
    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.
     b) Role of various point-of-care test agents in decreasing transfusion requirements.

**************************************************