

**IMMUNO-HEMATOLOGY & TRANSFUSION MEDICINE**  
**PAPER-III**

IHTM/D/17/15 /III

TIME : 3 HOURS

MAX. MARKS : 100

- 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 question 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. Discuss indications for cryoprecipitate.  
b. How would you ensure good yield of FVIII in a unit of cryoprecipitate? 4+6
2. a. Laboratory diagnosis of Neonatal Alloimmune Thrombocytopenia (NAIT) 5+5  
b. Discuss transfusion support in NAIT.
3. a. Audit in transfusion medicine  
b. How will you perform audit of red cell transfusion practices in neonatal care units? 5+5
4. Describe merits and demerits of donor deferral criteria in India with respect to past history of jaundice. 10
5. a. Differential diagnosis of Transfusion Associated Dyspnoea (TAD) 5+5  
b. Outline the plan of investigation in TAD
6. "Fresh whole blood is a better option than components for transfusion support in trauma patients". Critically analyse this statement. 10
7. a. Principles of blood inventory management 5+5  
b. What is "WAPI and ISI" in relation to blood inventory management?
8. What factors would you consider prior to implementing a screening test for any new infection on all blood donations in the country? 10
9. a. Laboratory diagnosis of Disseminated Intravascular Coagulation (DIC) 5+5  
b. Transfusion support in a case of DIC
10. Discuss transfusion support in following conditions: 5+5
  - a. Bombay phenotype patient
  - b. Patient with IgA deficiency

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