

**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:

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

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