IMMUNOHEMATOLOGY & TRANSFUSION MEDICINE

PAPER – II

IMHT/D/15/15/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) Molecular structure of Rh gene. 5 b) Molecular mechanisms responsible for Rh D negative phenotype. 5 2. a) What is Panagglutination? 2 b) Its Laboratory diagnosis. 5 c) Various types of Panagglutination. 3 3. a) Current protocols for peripheral blood stem cell collection. 6 b) What are the common and rarer side effects? 4 4. a) What is Rare Blood Donor? 3 b) Various essential elements in establishing Donor Registry in India. 7 5. a) Define platelet storage lesions and its clinical significance. 5 b) Various preventive measures for platelet storage lesion. 5 c) Various preventive measures for platelet storage lesion. 5 b) Antenatal management of a case of Rh haemolytic disease of Newborn. 5 b) Antenatal management of a case of Rh haemolytic disease of ABO 10 mismatched Bone Marrow Transplantation. 5 s) Monoclonal antibodies. 5 9. a) Define Transfusion Probability, Transfusion Index and cross match ratio. 5 b) Monoclonal antibodies. 5 c) Alternation and retention of Blood Donors in 10			
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