

FINAL EXAM
 DECEMBER 2015

NATIONAL BOARD OF EXAMINATIONS

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. b) Molecular mechanisms responsible for Rh D negative phenotype.	5 5
2.	a) What is Panagglutination? b) Its Laboratory diagnosis. c) Various types of Panagglutination.	2 5 3
3.	a) Current protocols for peripheral blood stem cell collection. b) What are the common and rarer side effects?	6 4
4.	a) What is Rare Blood Donor? b) Various essential elements in establishing Donor Registry in India.	3 7
5.	a) Define platelet storage lesions and its clinical significance. b) Various preventive measures for platelet storage lesion.	5 5
6.	a) Compare and Contrast ABO Haemolytic disease of Newborn versus Rh Haemolytic disease of newborn. b) Antenatal management of a case of Rh haemolytic disease of newborn.	5 5
7.	Immunohaematological monitoring in a case of ABO mismatched Bone Marrow Transplantation.	10
8.	a) HTLA antibodies. b) Monoclonal antibodies.	5 5
9.	a) Define Transfusion Probability, Transfusion Index and cross match ratio. b) What is their significance in Transfusion Medicine?	5 5
10.	Strategies for motivation and retention of Blood Donors in rural population.	10
