



MBH-20141

Seat No. _____

M. D. Examination

April / May - 2018

Immunohaematology & Blood Transfusion : Paper-I
(Basic Sciences Related to Immunohaematology & Blood Transfusion)

Time : **3 Hours**]

[Total Marks : **100**

- Instructions :**
- (1) Use blue/black point pen only.
 - (2) Do not write anything on the blank portion of the question paper.
 - (3) All questions are compulsory.
 - (4) The number to the right indicates full marks.
 - (5) Draw diagrams wherever necessary.

1 Long answer questions : 2×25=50

- (1) Discuss the structure of the red blood cell membrane. Discuss in detail red blood cell metabolism and preservation.
- (2) Epidemiology, Pathophysiology and diagnosis of Hepatitis B virus in transfusion medicine.

2 Short answer questions : (any five) 5×10=50

- (1) Pathophysiology of hemolytic diseases of new born.
- (2) Principle of flow cytometry.
- (3) Platelet refractoriness.
- (4) Plasma volume expanders.
- (5) Describe causes, pathophysiology and diagnosis of DIC.
- (6) MNS blood group system.