

QP Code:104108

Reg. No.:.....

**PG Degree Supplementary Examinations in Transfusion Medicine (MD)  
October 2018**

**Paper IV - Recent Advances & Technology**

**Time: 3 hrs**

**Max marks:100**

- *Answer all questions*
- *Draw diagrams wherever necessary*

**Essay:**

**(20)**

1. Discuss the role of Transfusion Medicine Consultant in ABO mismatched bone marrow / peripheral blood stem cell transplantation.

**Short essays:**

**(8x10=80)**

2. Transgenic animal
3. Photopheresis
4. Emerging infections threatening blood supply in India
5. Cultured red blood cells
6. Wrong Blood In Tube (WBIT): discuss causes and prevention
7. Occult hepatitis B virus infection
8. Applications of microarray technology in transfusion medicine
9. Induced pluripotent stem cells

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