



**DQ-20144**

Seat No. \_\_\_\_\_

**M. D. Examination**

**April - 2022**

**Immunohematology and Blood Transfusion : Paper-IV**  
*(Recent Advances)*

Time : 3 Hours]

[Total Marks : 100

- 1** Discuss haemovigilance and heamovigilance programme **25**  
in India.
  - 2** Describe the process of umbilical cord blood banking and **25**  
transplantation.
  - 3** Write short notes (any **five**) **50**
    - (A) Recent trends in viral inactivation of plasma products.
    - (B) Blood substitute.
    - (C) Quality indicators of transfusion medicine.
    - (D) Current standard of practice in biomedical waste management in blood bank.
    - (E) CAR - T cell therapy.
    - (F) Application of flow cytometry in transfusion medicine.
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