



**DO-20143**

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

**M. D. (Immunohaematology and Blood Transfusion)**

**Examination**

**March / April - 2022**

**Paper-III**

*(Blood Centre Operation, Blood preservation, donor  
Organization & Technology of Components)*

Time : 3 Hours]

[Total Marks : 100

**Instructions :** (1) Use blue / black point pen only.  
(2) The number to the write indicates full marks.  
(3) Draw diagrams whenever necessary.

- 1 Discuss accreditation of blood bank. List brief logarithmic approach. What are quality control requirement in respect of blood and blood component ? **25**
- 2 Describe adverse transfusion reaction and its protocol of investigation. **25**
- 3 Write short notes on : (Any Five) **50**
  - (a) Write SOP for quality control of Anti D monoclonal anti sera
  - (b) Massive blood transfusion Definition, problems and transfusion support in management of bleeding.
  - (c) Newer technique of leucoreduction and indication of leucoreduced blood.
  - (d) Describe different categories of autologous transfusion. Indication and selection of autologous donor
  - (e) Neonatal thrombocytopenia
  - (f) Ethical issues in Transfusion medicine.