

(LE 189)

APRIL 2014

Sub. Code:2083

**M.D. DEGREE EXAMINATION**  
**BRANCH XXI – IMMUNOHAEMATOLOGY AND BLOOD TRANSFUSION**

**BLOOD DONOR ORGANIZATION TECHNOLOGY OF COMPONENTS**  
**CLINICAL HAEMOTHERAPY**

*Q.P.Code: 202083*

**Time: Three Hours**

**Maximum: 100 marks**

**I. Elaborate on:** **(2X15=30)**

1. Leukodepletion – methods and their merits / demerits.
2. A patient has a road traffic accident and is transfused 13 units of blood within 7 hours. Discuss the transfusion related problems you anticipate, their laboratory evaluation and management.

**II. Write notes on:** **(10X7=70)**

1. Passenger lymphocyte syndrome.
2. Critically analysed factors affecting quality of cryoprecipitate.
3. Intra- uterine transfusion.
4. Draw a process flow of your component laboratory and discuss importance of process flow mapping.
5. Merits and demerits of directed blood donations.
6. Donor hemovigilance.
7. Cold chain maintenance and its importance.
8. Design a blood centre for a tertiary care 500 bedded hospital.
9. Audit in transfusion practice and its utility.
10. Therapeutic plasma exchange – principle and indications.

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