

**QP Code:103108**

**Reg.No.:.....**

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

**- November 2013**

**Paper III - Blood Donor Organization, Technology of Components, Clinical Hemotherapy**

**Time: 3 hrs**

**Max marks:100**

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

**Essays:**

**(20)**

1. Define massive haemorrhage. Draft a protocol for the management of life threatening haemorrhage in both elective (surgical/obstetrics) and emergency situations.

**Short essays:**

**(8x10=80)**

2. Use of Rh D negative RBC (mandatory and acceptable) indications.
3. What is maximum blood ordering schedule (MSBOS). Why it is relevant for pre-operative autologous donation.
4. Blood transfusion practices in neonates.
5. Hemovigilance.
6. Leukoreduction of blood products
7. National blood policy.
8. Root cause analysis of failed test runs.
9. Harvesting and preservation of peripheral blood stem cells.

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