

Q.P.Code: 302016

REG. No:.....

**Third Year B.Sc Perfusion Technology Degree Examinations,
August 2016**

Time: 3 hrs

Max. Marks:- 100

Perfusion Technology - Applied

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

Essays: **(2x15=30)**

1. Discuss blood conservation on cardiopulmonary bypass
2. Discuss inflammatory response to cardiopulmonary bypass.

Short notes: **(5x7=35)**

3. Intra- aortic balloon pumping,
4. Classification of transfusion reactions
5. Modified ultrafiltration
6. Left ventricular assist devices
7. Arterial line filter.

Answer briefly: **(7x5=35)**

8. Major transfusion reactions
9. Activated clotting time.
10. Albumin
11. Mechanism of action of tranexamic acid
12. Mechanism of action of heparin.
13. Dialysis.
14. Effect of Haemodilution on CPB
