

Q.P.Code:301016

Reg. No:.....

**Third Year B.Sc Perfusion Technology Degree Regular/Supplementary
Examinations August 2019**

Perfusion Technology - Clinical

Time: 3 hrs

Max. Marks:- 100

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

Essays:

(2x15=30)

1. Explain the principles and methodology of termination of CPB.
2. Compare pulsatile and non-pulsatile perfusion.

Short notes:

(5x7=35)

3. Aortic cannulation and its alternatives.
4. Retrograde cardioplegia.
5. Inadequate venous return.
6. Priming fluids.
7. Membrane oxygenator

Answer briefly:

(7x5=35)

8. Activated clotting time.
9. Two stage single venous cannula.
10. Nitroglycerine.
11. Cardioplegic cannula with vent.
12. Air-Oxygen blender.
13. Augmented venous drainage.
14. Occlusion of pump.
