

Q.P. Code: 303016

Reg. No:.....

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

Perfusion Technology - Advanced

Time: 3 hrs

Max. Marks: 100

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

Essays:

(2x15=30)

1. Complications during CPB and their management.
2. Discuss perfusion technique for neonatal cardiac surgery and use of conventional and modified ultra-filtration.

Short notes:

(5x7=35)

3. Pump lung syndrome.
4. Veno-venous ECMO.
5. Left ventricular assist device.
6. Non cardiac indications for CPB
7. Cannulation techniques for minimally invasive cardiac surgery.

Answer briefly:

(7x5=35)

8. CPB in pregnancy.
9. Advantages of blood priming.
10. Mini bypass circuit.
11. Cold agglutination.
12. Safety systems in CPB.
13. Milrinone.
14. Oxygenator failure.
