

Q.P. Code: 312016

Reg. No:.....

**Third Year B.Sc Perfusion Technology Degree Supplementary
Examinations August 2023**

Perfusion Technology - Applied

Time: 3 hrs

Max. Marks:- 100

- *Answer all questions to the point neatly and legibly* • *Do not leave any blank pages between answers* • *Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together* • *Leave sufficient space between answers*
- *Draw diagrams wherever necessary*

Essays:

(2x15=30)

1. Anticoagulation in CPB, its monitoring, reversal and complications, and heparin less bypass.
2. Discuss myocardial protection strategies during CPB.

Short notes:

(5x7=35)

3. Venting of heart during CPB.
4. Micro pore filters used in CPB.
5. Heparin bonded circuits.
6. Platelet aggregation and dysfunction during CPB.
7. Ideal oxygenator.

Answer briefly:

(7x5=35)

8. Homologus blood transfusion.
9. Reverse autologus priming.
10. Thromboelastogram.
11. Modified ultra-filtration.
12. Embolic complications of CPB.
13. Human Albumin.
14. Pump lung syndrome.
