

Q.P.Code: 311016

Reg. No:.....

**Third Year B.Sc Perfusion Technology Degree Regular/Supplementary
Examinations December 2020**

Perfusion Technology – Clinical

(2016 Scheme)

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 table/diagrams/flow charts wherever necessary*

Essays:

(2x15=30)

1. Describe the role of heater - cooler during CPB. What are the advantages and disadvantages of hypothermia.
2. Describe briefly the safe conduct and monitoring of CPB.

Short notes:

(5x7=35)

3. Arterial cannulae for CPB.
4. Crystalloid cardioplegia.
5. Just occlusion during cardiopulmonary bypass.
6. Priming of the CPB circuit.
7. Bubble oxygenator.

Answer briefly:

(7x5=35)

8. Activated clotting time.
9. Two stage single venous cannula.
10. Mannitol
11. Cardioplegic cannula with vent.
12. Gases used in CPB.
13. Gravitational venous drainage.
14. Venous chattering.
