

Q.P. Code: 311016

Reg. No:.....

**Third Year B.Sc Perfusion Technology Degree Regular/Supplementary
Examinations February 2023**

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. Discuss the principle of membrane oxygenator and its types. Add a note on oxygenator failure and management
2. Monitoring assessment of adequacy of perfusion

Short notes:

(5x7=35)

3. Substrate enhancement of cardioplegia
4. Modified ultra-filtration
5. Safety alarms in CPB
6. Pulsatile perfusion
7. Cannulation strategies in redo cardiac surgery

Answer briefly:

(7x5=35)

8. Adenosine
9. Heparin resistance and management
10. Heat exchanger failure
11. Run away pump head
12. Retrograde autologous priming
13. Hot shot
14. Heparin induced thrombocytopenia
