

Q.P. CODE: 213016

Reg. No:

**Second Year B.Sc Perfusion Technology Degree Regular/Supplementary
Examinations February 2025**

**Introduction to Perfusion Technology
(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 diagrams wherever necessary**

Essays:

(2x15=30)

1. Compare and Contrast Bubble and Membrane Oxygenators
2. Discuss the biochemical basis of controlled reperfusion and how will you do it during a case

Short notes:

(5x7=35)

3. Level detectors
4. Management of hypercarbia on cardiopulmonary bypass
5. Use of a pulmonary artery vent
6. Vacuum assisted venous drainage
7. Calafiore technique of blood cardioplegia delivery

Answer briefly:

(7x5=35)

8. Venous Cannula
9. Defibrillator.
10. Abnormalities in ACT
11. Nasal temperature monitoring
12. Syringe Pump
13. Charles Law
14. Aseptic technique
