

Q.P. CODE: 213016

Reg. No:

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

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. Discuss hemostatic monitoring during cardiopulmonary bypass.
2. Discuss the various types of blood pumps

Short notes:

(5x7=35)

3. Differentiate between bubble and membrane oxygenators
4. Heat exchanger
5. Arterial cannulae
6. Venting
7. Gross's well technique

Answer briefly:

(7x5=35)

8. How do level detectors work
9. Asepsis versus antisepsis
10. Boyles Law
11. Enumerate and briefly explain three types of venous drainage
12. Pulse oximeter
13. Defibrillator
14. Flow meters
