

Q.P. CODE: 213016

Reg. No:

**Second Year B.Sc Perfusion Technology Degree Regular and
Supplementary Examinations August 2019**

Introduction to Perfusion Technology

(2016 Scheme)

Time: 3 Hrs

Max. Marks:100

- Answer all questions
- Draw diagram wherever necessary

Essays:

(2x15=30)

1. Discuss the principles of gas exchange. Compare and contrast bubble and membrane oxygenators.
2. Discuss the cardioplegia in detail

Short notes:

(5x7=35)

3. Activated clotting time.
4. Venting.
5. Heat exchangers.
6. Temperature probes.
7. Charles law.

Answer briefly:

(7x5=35)

8. Azygous flow principle.
9. Protamine
10. Flow meters.
11. Tricaval venous cannulation.
12. Landsteiner's law.
13. Asepsis versus antisepsis.
14. Pump head - line pressure.
