

Q.P. CODE: 203016

Reg. No:

**Second Year B.Sc Perfusion Technology Degree Examinations
August 2017**

Introduction to Perfusion Technology

Time: 3 Hrs

Max. Marks:100

- Answer all questions
- Draw diagram wherever necessary

Essays:

(2x15=30)

1. Discuss acid base electrolyte monitoring during cardiopulmonary bypass.
2. Hemodynamics of cardiopulmonary bypass.

Short notes:

(5x7=35)

3. Differentiate between metabolic and respiratory acidosis
4. Centrifugal pump
5. Venous cannulae
6. Modifications of arterial cannulae to improve efficacy
7. Controlled cross circulation

Answer briefly:

(7x5=35)

8. HEPARIN
9. Suckers
- 10.COMPLICATIONS OF BLOOD TRANSFUSION.
- 11.Enumerate and briefly explain three methods of delivery of cardioplegia
- 12.Mixed venous saturation
- 13.Syringe pump
- 14.Manitol
