

Q.P. CODE: 203016

Reg. No:

Second Year B.Sc Perfusion Technology Degree Examinations, September 2014

Introduction to Perfusion Technology

Time: 3 Hrs

Max. Marks:100

- Answer all questions
- Draw diagram wherever necessary

Essays:

(2×15=30)

1. Discuss the blood pumps used in cardiopulmonary bypass.
2. Discuss the monitoring of anticoagulation during cardiopulmonary bypass.

Short notes:

(5×7=35)

3. Level detectors.
4. Hemolysis on cardiopulmonary bypass.
5. Defoaming.
6. Rated flow
7. Pulse oximetry.

Answer briefly:

(7×5=35)

8. Gas exchange across a bubble.
9. Protamine
10. Roller pump.
11. Gross's well technique.
12. Base excess.
13. Arterial cannulae.
14. Defibrillators.
