

Q.P.Code: 302016

REG. No:.....

Third Year B.Sc Perfusion Technology Degree Examinations August 2017

Time: 3 hrs

Max. Marks:- 100

Perfusion Technology - Applied

- ***Answer all the questions***
- ***Draw diagrams wherever necessary***

Essays:

(2x15=30)

1. Discuss filtration during cardiopulmonary bypass.
2. Compare and contrast modified and conventional ultrafiltration.

Short notes:

(5x7=35)

3. Argatroban
4. Screen filters used in cardiopulmonary bypass circuit.
5. Pumps used in left ventricular assist devices.
6. Causes of excessive haemolysis on cardiopulmonary bypass.
7. Major transfusion reactions.

Answer briefly:

(7x5=35)

8. Zero balance ultrafiltration.
9. Vacuum assisted drainage.
10. Pre bypass filtration.
11. Thromboelastogram.
12. Pulmonary inflammatory response to cardiopulmonary bypass.
13. Complement system.
14. Retrograde autologous priming.
