

Q.P.Code:301016

REG. No:.....

Third Year B.Sc Perfusion Technology Degree Examinations August 2017

Perfusion Technology - Clinical

Time: 3 hrs

Max. Marks:- 100

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

Essays:

(2x15=30)

1. What are the steps taken for myocardial protection during CPB. Differentiate between crystalloid and blood cardioplegia.
2. Describe the components of a CPB circuit. What are the various parameters monitored for safe conduct of CPB.

Short notes:

(5x7=35)

3. Blood gas analysis during CPB and corrective measures
4. Ultra filtration
5. Compare and contrast crystalloid and blood prime
6. Effect of CPB on blood cells
7. Retrograde cardioplegia

Answer briefly:

(7x5=35)

8. Amiodarone
9. CPB peculiarities for ALCAPA and in a patient with functioning BT shunt
10. Left heart venting
11. St. Thomas 2 solution
12. Haemodilution
13. Mixed venous saturation monitoring
14. Isoflurane
