

Q.P.Code: 303016

Reg. No:.....

Third Year B.Sc Perfusion Technology Degree Examinations July 2018

Perfusion Technology - Advanced

Time: 3 hrs

Max. Marks: 100

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

Essays:

(2x15=30)

1. Discuss myocardial protection strategies in neonates with cyanotic congenital heart diseases.
2. Discuss non-cardiac applications of CPB

Short notes:

(5x7=35)

3. Warm re-perfusion (hot shot)
4. Spinal cord protection
5. Endo aortic balloon clamp
6. Veno-arterial and veno-venous ECMO
7. Custodial cardioplegia.

Answer briefly:

(7x5=35)

8. AUGMENTED VENUS DRAINAGE.
9. CPB in pregnancy
10. Ante grade cerebral perfusion
11. Cavitation
12. Heat exchanger failure
13. Coated circuits (heparin)
14. Left heart bypass.
