

**Q.P. Code: 311016**

**Reg. No:.....**

**Third Year B.Sc Perfusion Technology Degree Regular/Supplementary  
Examinations February 2024**

**Perfusion Technology – Clinical**

**(2016 Scheme)**

**Time: 3 hrs**

**Max. Marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essays:**

**(2x15=30)**

1. Describe cerebral protection strategies in aortic arch surgery
2. Discuss the various cardioplegia solutions

**Short notes:**

**(5x7=35)**

3. Retrograde cardioplegia
4. Venting of the heart
5. Axillary artery cannulation
6. Management of air embolism
7. Advantages and disadvantages of systemic hypothermia in CPB

**Answer briefly:**

**(7x5=35)**

8. Protamine
9. Left Superior vena cava
10. Cono-truncal Anomalies
11. Inflow occlusion technique
12. Controlled reperfusion
13. Vasopressors
14. Checklist for cardiopulmonary bypass

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