

**Q.P. Code: 313016**

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

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

**Perfusion Technology - Advanced**

**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 diagrams wherever necessary*

**Essays:**

**(2x15=30)**

1. Venous-arterial ECMO- Indications, conduct and complications
2. Neuro monitoring in aortic arch surgery

**Short notes:**

**(5x7=35)**

3. Miniaturized cardiopulmonary bypass
4. Custodial Cardioplegia
5. ECMO for lung transplantation
6. Temporary right ventricular assist devices
7. Pulmonary Vasodilators

**Answer briefly:**

**(7x5=35)**

8. "North-South" syndrome after ECMO
9. EOPA Cannula
10. Microplegia
11. Platelet Factor IV
12. Extracardiac Fontan Surgery
13. Homograft
14. Osteal Cardioplegia

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