

**Q.P. Code: 313016**

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

**Third Year B.Sc Perfusion Technology Degree Regular/Supplementary  
Examinations February 2022**

**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. Extra corporeal membrane oxygenation - principles and clinical applications
2. Post cardiectomy cardiogenic shock - causes and its management strategies.

**Short notes:**

**(5x7=35)**

3. Pump lung syndrome.
4. Reverse autologous priming.
5. Left ventricular assist device.
6. Counter pulsation technique.
7. Coated circuits in CPB.

**Answer briefly:**

**(7x5=35)**

8. Monitoring cerebral perfusion during CPB.
9. Continuous systemic venous oxygen saturation monitoring.
10. Del Nido cardioplegia.
11. Cell savers.
12. Perfusion pressure in patients with chronic kidney disease.
13. Left heart bypass.
14. Spallation.

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