

Q.P. Code: 312016

Reg. No:.....

**Third Year B.Sc Perfusion Technology Degree Regular/Supplementary
Examinations December 2025**

**Perfusion Technology – Applied
(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 diagrams wherever necessary*

Essays:

(2x15=30)

1. Measures to control the blood-surface interface
2. Pulsatile vs Non-pulsatile blood flow

Short notes:

(5x7=35)

3. Oxygen transport
4. Colloidal priming
5. Reperfusion injury
6. Buffering agents
7. Ischemic preconditioning

Answer briefly:

(7x5=35)

8. Antithrombin III deficiency
9. Heparin-induced thrombocytopenia
10. Inhaled Nitric Oxide - Uses
11. Heparin rebound
12. Mixed venous saturation
13. Circuit alarms in cardiopulmonary bypass
14. Myocardial stunning
