

Q.P. Code: 312016

Reg. No:.....

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

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. Enumerate cardio pulmonary bypass strategy on patient with Jehovahs witness.
2. Discuss the evaluation and management of bleeding patient post cardio pulmonary bypass.

Short notes:

(5x7=35)

3. Zero balance ultra filtration.
4. Methods to minimize inflammatory response to CPB
5. IABP
6. Transfusion reactions and their management
7. Massive air embolism and its management.

Answer briefly:

(7x5=35)

8. CPB induced coagulopathy
9. Alternatives of heparin
10. Tranexamic acid.
11. Heparin resistance
12. Filters in CPB
13. Component therapy
14. Ischemic pre conditioning
