

Q.P. Code: 312016

Reg. No:.....

**Third Year B.Sc Perfusion Technology Degree Regular/Supplementary
Examinations December 2020**

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. Discuss in detail on circulatory assist devices.
2. Discuss the role of various filters in CPB and enumerate in detail on modified ultrafiltration.

Short notes:

(5x7=35)

3. Complications of blood transfusion
4. Blood conservation
5. Protamine reactions
6. Hematologic effects of CPB
7. Component therapy

Answer briefly:

(7x5=35)

8. Contraindications of IABP
9. Heparin less bypass
10. Coated circuits
11. Cold agglutinins
12. CPB in sickle cell anaemia
13. Heparin induced thrombocytopenia
14. Thromboelastography
