

VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)
B.Sc. (PERFUSION TECHNOLOGY) DEGREE EXAMINATION
March 2019
Third Year

PERFUSION TECHNOLOGY- APPLIED

Time: Three hours

Maximum: 75 marks

I. Write an essay on any ONE of the following: (1 x 20 = 20)

1. What are the complications of bank blood transfusion on CPB?
2. Anticoagulation on CPB and how it is monitored.

II. Write short notes on any TWO of the following: (2 x 10 = 20)

3. Modified Ultra filtration.
4. Effects of physical forces that contribute to Red cell destruction.
5. Platelet aggregation and its dysfunction.
6. What are VADS?

III. Write short answers on any SEVEN of the following: (7 x 5 = 35)

7. What is HIT?
8. Autologous Priming.
9. How are arterial filters useful during CPB?
10. Coated tubings and oxygenators.
11. CUF.
12. Dialysis during CPB.
13. CYTOKINES and complements. What are they?
14. How can inflammatory response be reduced?
15. Write about the balloon waveform with a diagram.
16. The demerits or the possible complications of IABP.
