

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

PERFUSION TECHNOLOGY - ADVANCED

Time: Three hours

Maximum: 75 marks

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

1. What are the ASSIST DEVICES known to you?
2. Write about the various types of CARDIO-PLEGIA that are in use.

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

3. Mention some recent advances in CPB.
4. How CPB can be useful for non- cardiac cases?
5. How can be coated tubing are beneficial?
6. EXPERIMENTAL Perfusion.

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

7. Paediatric priming methods.
8. Describe be the role of a perfusionist in the cath lab.
9. How will you decide on a neonate and an infant oxygenator?
10. The possible accidents that can happen during CPB.
11. What are the inflammatory mediators you know?
12. Describe the cannulae that are used on CPB.
13. Safety devices which are used on CPB.
14. How will you manage an electrical failure on CPB?
15. RVAD - Explain with diagram.
16. The role of albumen in the prime.
