

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM  
(Deemed to be University)**

**B.Sc. (OPERATION THEATRE TECHNOLOGY) DEGREE  
EXAMINATION – September 2021  
Third Year**

**OPERATION THEATRE TECHNOLOGY - ADVANCED**

Time: Three hours

Maximum: 75 marks

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

1. What is organ donation? What is the role of operation theater technician in organ procurement and transplantation surgery?
2. What are the preparatory steps to be taken before an emergency angioplasty surgery?

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

3. Discuss different type of the anaesthesia and write about the instrument required for spinal anaesthesia.
4. When formulating the stand operating procedure (SOP) for operation theatre, what are the important points to be considered?
5. Classify the shock. Write management of hypovolemic shock.
6. List the instrument required for vascular surgery. Explain the suture materials required for radial artery reconstruction surgery.

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

7. What is postoperative recovery?
8. Usage of suction machine in theaters.
9. Types of anaesthetic medicines.
10. How to do sterilization of instruments for emergency surgery?
11. Disposal of gynecological waste.
12. List instruments requiring the skin grafting surgery.
13. How to prepare the operation table for Neurosurgery?
14. Write about fumigation of major operation theater.
15. Types of endotracheal tubes.
16. List methods available for cleaning laminar air flow.