

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

**B.Sc. (OPERATION THEATRE TECHNOLOGY) DEGREE**  
**EXAMINATION – March 2019**  
**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. Describe the role of operation theatre technician in theatre from preoperative surgery to postoperative surgery of head and neck surgery.
2. What is fumigation? Discuss operation theatre preparation and arrangement of instruments for organ transplantation.

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

3. Formula to calculate the cardiopulmonary blood flow during open heart surgery.
4. What is Cardioplegia? Write about its importance.
5. How to manage post tonsillectomy bleeding?
6. How to ensure laparoscopy machine's sterilization. What is laparoscopic surgery?

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

7. Write usages of Bellow Pump in operation theatres.
8. Hand Hygiene.
9. How are the surgical instruments cleaned?
10. Brief about chemical disinfectants used in the operation theatre.
11. Write Jackson Ree's Circuit.
12. Write disposal of sharp wastes.
13. Four stages of contamination.
14. Left lateral position.
15. Types of grafting and list the instrument required for it.
16. What are the uses of C- arms machine in orthopedics surgery?