

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

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

**OPERATION THEATRE TECHNOLOGY - APPLIED**

Time: Three hours

Maximum: 75 marks

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

1. Enumerate the various inhalational agents used in operation theatre and write a note on vaporizer and its principle.
2. Classify local anaesthetics based on chemical structure. Site of action of local anaesthesia.

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

3. Indication of blood transfusion need during operation. How to start transfusion in operation theatre? Complications of blood transfusion.
4. Preparation, positioning and assisting for Central Venous Cannulation.
5. Jackson Rees circuit.
6. Enlist the things to be kept ready prior to the surgery in the operation theatre room.

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

7. Types and uses of spinal needles.
8. Ventimask
9. Finger Pulse oximeter and its principle.
10. List the emergency drugs in theater.
11. Different types of Laryngoscopes.
12. Epidural injection and its precaution.
13. Care of tracheostomy
14. Recovery room's importance
15. Reservoir bag
16. Aim of premedication.