

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

**B.SC (ANAESTHESIA TECHNOLOGY) DEGREE EXAMINATION**  
**September 2021**  
**Second Year**

**INTRODUCTION TO ANAESTHESIA TECHNOLOGY**

Time: Three hours

Maximum: 75 marks

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

1. Discuss in detail parts, features, types, sizes, insertion methods, indications, complications, longterm care & protocols of Artificial Airways.
2. Discuss in detail Medical Gas Supply outlining gas cylinders, color coding, valves Diameter index safety system, air compressors, oxygen concentrators, alarms.

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

3. Cleaning & sterilization of anaesthetic equipments.
4. Gas analysers, Pulse Oxymeters & CO<sub>2</sub> Monitors.
5. Manual Resuscitators.
6. Minimum Standards for Anaesthesia.

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

7. Gas Laws.
8. Evaluation of patients receiving oxygen therapy.
9. Regulators & Flow Restrictors.
10. Medical Gas Pipeline System & Station Outlets.
11. Flow Meter Assembly.
12. Non breathing Valves.
13. Endo Tracheal Tubes.
14. Vaporisers.
15. Patient Assessment & Preparation.
16. Regional Anaesthesia.