

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

[AHS 0222]

**FEBRUARY 2022  
(OCTOBER 2021 EXAM SESSION)**

**Sub. Code: 2204**

**M.Sc. RESPIRATORY THERAPY  
FIRST YEAR (Candidates admitted from 2019-2020 & 2020-2021 onwards)  
PAPER IV – EQUIPMENT IN RESPIRATORY MEDICINE AND ADVANCED  
RESPIRATORY THERAPY AND CRITICAL CARE  
*Q.P. Code : 282204***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate notes on:**

**(2 x 20 = 40)**

1. Define Oxygen therapy. Discuss various available methods of delivering Oxygen to the critically ill patients in ICU and the complications of Oxygen Therapy.
2. Mention the indications for artificial ventilation, Discuss briefly about the modes of mechanical ventilator and monitoring technique used in the patients on mechanical ventilator?

**II. Write Short Notes on:**

**(10x6 = 60)**

1. Write short notes on Nebulizers.
2. Discuss the parts of Ambu bag and its uses.
3. Name few Mucolytic agents and its mechanism of action.
4. Write short notes on Capnography.
5. Discuss briefly about the Medical gas pipelines in ICU.
6. Write a short notes on Chest Drain Systems.
7. Discuss the parts and the principles of Suction apparatus.
8. Write short notes on Multi Organ Dysfunction score.
9. Discuss the types of supraglottic Airway devices.
10. Write short notes on Bronchoscopes.

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