

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

[AHS 1022]

OCTOBER 2022

Sub. Code: 2204

**M.Sc. RESPIRATORY THERAPY**  
**FIRST YEAR (Candidates admitted from 2019-2020 & 2020-2021 onwards)**  
**PAPER IV –EQUIPMENTS IN RESPIRATORY MEDICINE & ADVANCED**  
**RESPIRATORY THERAPY & 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 respiratory failure. List the causes of Type II respiratory failure and how you would manage a patient with Type II respiratory failure?
2. Weaning and Extubation.

**II. Write Short Notes on:**

**(10x6 = 60)**

1. Positive End Expiratory Pressure.
2. Low flow oxygen delivery devices.
3. Draw the 3-bottle drainage system.
4. How will you clean and maintain ICU equipment?
5. Assessment of endotracheal cuff pressure and what pressure to set.
6. Percutaneous Tracheotomy.
7. Humidification.
8. Infection Prevention strategies.
9. Trouble shooting high airway pressure/ low pressure limitations alarm on ventilator.
10. MDI.

\*\*\*\*\*