

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

[AHS 0921]

**SEPTEMBER 2021  
(MAY 2021 EXAM SESSION)**

**Sub. Code: 2204**

**M.Sc. RESPIRATORY THERAPY  
FIRST YEAR (From 2019-2020 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. What are the techniques of Respiratory management provided to Mechanically ventilated patients in the Intensive Care Unit(ICU). Discuss in detail about the techniques used to aid expectoration in critically ill patients?
2. Define Acute Respiratory Failure (ARF). Discuss about the Classification. Diagnostic methods, Airway management and monitoring of ARF patients in the Intensive Care Unit (ICU) ?

**II. Write Short Notes on:**

**(10x6 = 60)**

1. Methods of Oxygen therapy?
2. Discuss briefly about Respiratory monitoring in Intensive Care Unit.
3. Write about the Principle used and the technique of Incentive spirometry.
4. Complications of Mechanical Ventilation and the techniques to prevent it?
5. Mention about the Vasopressors used in Intensive Care Unit.
6. Bronchodilators? Mention the Routes of administration of Bronchodilators?
7. Write short notes on Tracheostomy tubes?
8. Discuss in short about the VAP(Ventilatory Associated Pneumonia) bundles?
9. Techniques of Postural drainage?
10. Define ARDS(Acute Respiratory Distress Syndrome)?

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