

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

**[AHS 1023]**

**OCTOBER 2023**

**Sub. Code: 2203**

**M.Sc. RESPIRATORY THERAPY  
FIRST YEAR (From 2020-2021 onwards)  
PAPER III – APPLIED ASPECTS OF PHARMACOLOGY, MICROBIOLOGY  
AND PATHOLOGY**

*Q.P. Code: 282203*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate notes on:**

**(2 x 20 = 40)**

1. Describe the clinical presentation, lab diagnosis and management of Influenza. Add a note on antigenic shift and drift.
2. What is Ventilator Associated Pneumonia (VAP)? Describe in detail the risk factors, diagnosis and management of VAP. Add a note on prevention of VAP.

**II. Write Short Notes on:**

**(10x6 = 60)**

1. Congenital anomalies of the lung.
2. Describe the principle, advantages and disadvantages of ETO sterilization.
3. Emphysema.
4. Treatment of pneumonia.
5. Management of carcinoma lung.
6. Anti tubercular drugs.
7. Spirometry.
8. Apoptosis.
9. Mucolytics.
10. Pericardial effusion Tamponade.

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