

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

[AHS 0222]

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

**Sub. Code: 2202**

**M.Sc. RESPIRATORY THERAPY  
FIRST YEAR (Candidates admitted from 2019-2020 & 2020-2021 onwards)  
PAPER II – APPLIED ASPECTS OF ANATOMY, PHYSIOLOGY AND  
BIOCHEMISTRY  
*Q.P. Code : 282202***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate notes on:**

**(2 x 20 = 40)**

1. Discuss in detail about Lung. Add a note on bronchopulmonary segments and its applied aspects.
2. Enumerate the water soluble vitamins and Discuss in detail about vitamin B12 and its applied aspects.

**II. Write Short Notes on:**

**(10x6 = 60)**

1. Anatomy of larynx and congenital anomalies.
2. Mechanism of Respiration.
3. Vitamin D – sources, function and applied aspects.
4. Sleep related breathing disorders.
5. Inborn errors of metabolism with examples.
6. Extracorporeal Membrane Oxygenation.
7. Respiratory alkalosis.
8. Postnatal lung development.
9. Essential minerals and their function.
10. Cardiac cycle.

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