

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

[AHS 0321]

**MARCH 2021**

**Sub. Code: 2202**

**(OCTOBER 2020 EXAM SESSION)**

**M.Sc. RESPIRATORY THERAPY**

**FIRST YEAR (From 2019-2020 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 the joints of thorax and its movements. Add a note on its applied aspects.
2. Discuss in detail about the Glycolytic pathway and its importance. Add a note on its applied aspects.

**II. Write Short Notes on:**

**(10x6 = 60)**

1. Carbondioxide transport.
2. Innervation of lungs and pleura.
3. Metabolic alkalosis.
4. Anatomy of nasopharynx.
5. Arterial blood gas analysis.
6. Vitamin A – sources , function and applied aspects.
7. Scuba diving physiology.
8. Diaphragm and its function in respiration.
9. Inborn errors of metabolism with few examples.
10. Polysomnography and its importance.

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