

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

[AHS 1023]

OCTOBER 2023

Sub. Code: 2202

**M.Sc. RESPIRATORY THERAPY
FIRST YEAR (From 2020-2021 onwards)
PAPER II – APPLIED ASPECTS OF ANATOMY, PHYSIOLOGY AND
BIOCHEMISTRY**

Q.P. Code: 282202

Time: Three hours

Maximum: 100 Marks

Answer ALL Questions

I. Elaborate on:

(2 x 20 = 40)

1. Write in detail about diffusion of gases across the alveolar membrane. Explain DLCO and its uses in diagnosis of lung diseases.
2. Discuss in detail the role of respiration in acid base balance. Discuss the interpretation of ABG.

II. Write notes on:

(10 x 6 = 60)

1. Ciliated columnar epithelium.
2. Oxygen dissociation curve.
3. Cheyne stokes respiration.
4. Muscles of inspiration.
5. Vitamin D.
6. Beta 2 receptors.
7. Cough reflex.
8. Respiratory Alkalosis.
9. Blood supply of lung.
10. Pleural fluid.
