

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

[AHS 1122]

NOVEMBER 2022

Sub. Code: 2601

B.Sc. RESPIRATORY THERAPY
FIRST YEAR (Regulation 2014-2015)
PAPER I – ANATOMY & PHYSIOLOGY
Q.P NO. 802601

Time: Three Hours

Answer All questions

Maximum : 100 Marks

I. Elaborate on : **(3X10=30)**

1. Describe the anatomy of Pleura, pleural recesses and its function. Add a note on its applied anatomy.
2. Describe the Internal features of Right atrium with a suitable diagram. Add a note on the Blood supply to Heart.
3. Define cardiac cycle. Describe in detail the changes that occur in different phases of cardiac cycle with suitable diagram.

II. Write Notes on : **(8X5=40)**

1. Bronchial tree.
2. Lung volumes.
3. Pericardium.
4. Oxygen dissociation curve.
5. Root of lung.
6. Conducting system of Heart.
7. Fetal circulation.
8. Factors regulating cardiac output.

III. Short Answers on : **(10X3=30)**

1. Name the muscles of Inspiration and Expiration.
2. Layers of Heart.
3. Structures seen in Nasopharynx.
4. Functions of surfactant.
5. Fissures and lobes of Lung.
6. Dead space.
7. Stages of sleep.
8. Interatrial septum.
9. Vagal tone.
10. Define arterial blood pressure.
