

[LJ 0816]

AUGUST 2016

Sub. Code: 2601

**B.Sc. RESPIRATORY THERAPY**

**FIRST YEAR**

**PAPER I – ANATOMY AND PHYSIOLOGY**

*Q.P. Code: 802601*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Explain Diaphragm under the following subdivisions: (a) Origin (b) Insertion (c) Blood supply (d) Nerve supply (e) Action (f) Orifices present (g) Structures passing through it (h) Applied anatomy.
2. Explain pleura under the following subdivisions: (a) definition (b) Pleural Membranes, (c) Pleural Cavities (d) parts (e) Functions (f) Clinical significance.
3. Explain cardiac cycle in detail.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Explain about right lung in detail.
2. Add a notes on mechanism of respiration.
3. Valves of the heart.
4. Fetal circulation.
5. Blood supply and nerve supply of respiratory system.
6. Heart sounds.
7. Larynx.
8. Root of the lungs.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Define mediastinum.
2. Define blood pressure and give the normal value.
3. Mention any four lung volumes.
4. Write a few points about pleura.
5. Define ECG.
6. What is meant by tracheostomy?
7. Emphysema.
8. Pneumonia.
9. Atherosclerosis.
10. Pacemaker.

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