

[LH 0815]

AUGUST 2015

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. The blood supply and nerve supply of the heart with relevant diagram.
2. Difference between right and left lung. Mention the segments of the lungs.
3. Explain heart sounds and auscultatory areas of the heart and its significance.

II. Write Notes on:

(8 x 5 = 40)

1. Difference between the right and left ventricle.
2. Mention the lung volumes and capacities.
3. Pericardium.
4. Arch of aorta.
5. Chemical control of respiration.
6. Waldeyr's right.
7. Define work of breathing, resistance and cardiac rhythm.
8. Write about the Vital signs and its significance.

III. Short Answers on:

(10 x 3 = 30)

1. Write a few points about pleura.
2. What is ventricular depolarisation?
3. Mention the muscles of respiration.
4. Interatrial septum.
5. Applied anatomy of the lungs.
6. What is karina?
7. Name the surfactant present in the alveoli. What is its function?
8. How many segments are there in the lungs? What is mediastinum?
9. Difference between S.A node and A.V. node?
10. Chronic obstructive pulmonary disease. (COPD).
