

[LK 0217]

FEBRUARY 2017

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. With a neat diagram explain the Anatomy of lungs. Add a note on its functions.
2. Write in detail the regulation of Respiration. Define Tidal volume and Residual volume.
3. Describe in detail about Broncho pulmonary segments.

II. Write notes on:

(8 x 5 = 40)

1. Write about the Vital signs and its significance.
2. Write a note on physiological and pathological variations of cardiac output.
3. Explain pleura and pleural recess.
4. Name the muscles involved in respiration and add a notes on diaphragm.
5. Explain about right atrium of heart.
6. Renin angiotensin mechanism.
7. Auscultatory areas.
8. Explain Arch of aorta and name its branches.

III. Short answers on:

(10 x 3 = 30)

1. Name the valves present in heart.
2. Patent ductus arteriosus.
3. Surfactant.
4. Aneurysm.
5. Sudden infant death syndrome (SIDS).
6. Opening of diaphragm.
7. Left coronary artery.
8. Cystic fibrosis.
9. Define hemodynamics.
10. Vagal tone.
