

[LD 0212]

AUGUST 2013

Sub.Code :1211

**B.Sc CRITICAL CARE TECHNOLOGY
SECOND YEAR
Paper I – APPLIED ANATOMY AND PHYSIOLOGY**

Q.P Code : 801211

Time : Three hours

Maximum : 100 Marks

Answer All Questions

I. Elaborate on :

(3X10=30)

1. Explain semilunar valves with a neat diagram.
2. Explain in detail about the lung volumes and capacities.
3. Explain about the diffusion of gasses and its abnormalities.

II. Write Notes on:

(8x5=40)

1. Trachea, airway division and segmental anatomy.
2. Surface anatomy of the heart.
3. Pressure differences during breathing
4. Brief note on the following
 - a. Anatomical dead space
 - b. Physiological dead space
5. Pleura.
6. Pericardium
7. Right atrium
8. Blood supply and nerve supply of the heart

III. Short Answers on:

(10x3=30)

1. Osmotic pressure
2. What are Acids, Bases and Salts?
3. How do you designate acidity and alkalinity?
4. Distribution of body fluids in an adult?
5. What is Hyponatremia? What are its causes and symptoms?
6. Wheeze, stridor and rhonchi
7. Bronchial breath sounds
8. Heart sounds?
9. What are electrolytes
10. Henderson – Hasselbalch equations?
