

[LK 0217]

FEBRUARY 2017

Sub.Code :1216

**B.Sc. CRITICAL CARE TECHNOLOGY**  
(New Syllabus 2014-2015)

**SECOND YEAR**

**Paper I – APPLIED ANATOMY AND PHYSIOLOGY**

*Q.P Code : 801216*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All Questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Write in detail about the laryngopharynx.
2. Write in detail about acid-base balance.
3. Describe about acute respiratory distress syndrome (ARDS). Add a note on its radiological features.

**II. Write Notes on:**

**(8 x 5 = 40)**

1. Describe the features of pneumothorax and hemothorax.
2. 3<sup>rd</sup> cranial nerve.
3. Write in detail about the anatomy of left lung.
4. Anatomy of oropharynx.
5. Describe the anatomy of spinalcord.
6. Explain the anatomy of ureter with its blood supply and nerve supply.
7. What are the hazards of oxygen?
8. Explain the airway clearance techniques.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Lobar pneumonia.
2. Explain the respiratory movements.
3. Write about sedation.
4. Circle of willis.
5. What are the branches of aorta?
6. What are the subdivisions of nervous system?
7. Draw a diagram showing the external features of heart and label the parts.
8. What is the blood supply of thyroid gland?
9. What is blood pressure?
10. Explain the light reflex.

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