

[LJ 0816]

AUGUST 2016

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:**

**(3 x 10 = 30)**

1. Explain the anatomy of Lungs in detail with the bronchopulmonary segments.
2. Write in detail about the physiology of breathing.
3. Describe the Cardiac cycle in detail.

**II. Write Notes on:**

**(8 x 5 = 40)**

1. Diaphragm.
2. Write in detail about the anatomy of Pleura.
3. Aorta.
4. Circle of Willis.
5. Explain about the Pneumonia.
6. Cerebrospinal fluid.
7. Bronchoscopy.
8. Write in detail about the storage of Oxygen.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Enumerate the intercostal muscles and their nerve supply.
2. Explain the valves of heart.
3. Describe the external features of liver.
4. Draw the thyroid gland and label the parts.
5. Nerve supply of tongue.
6. What is mean arterial pressure?
7. What are the factors affecting the oxygen transport?
8. Write about the features of normal X-Ray.
9. What is gag reflex?
10. What are the steps to minimize the nosocomial infections?

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