

[LL 0817]

AUGUST 2017

Sub. Code: 1211

**DIPLOMA IN CRITICAL CARE TECHNOLOGY
SECOND YEAR**

PAPER I – APPLIED ANATOMY AND PHYSIOLOGY

Q.P. Code : 841211

Time : Three Hours

Maximum : 100 Marks

Answer All questions.

I. Elaborate on:

(3 x 10 = 30)

1. Explain the lung under the following headings:
i) External features ii) Lobes and Fissures iii) Relations
iv) Applied Anatomy.
2. Describe the blood supply of heart in detail. Add a note on Angina pectoris.
3. Define Cardiac output. Discuss in detail the factors regulating Cardiac output. Name the methods of measurement of Cardiac output.

II. Write notes on:

(10 x 5 = 50)

1. Pain pathway.
2. Thoracic vertebra.
3. Vocal cord.
4. Autonomic nervous system.
5. Oxygen dissociation curve.
6. Pulmonary Function test.
7. Heart Sounds.
8. Conducting system of Heart.
9. Acid base balance.
10. Sedation.

III. Short answers on:

(10 x 2 = 20)

1. Transverse pericardial sinus.
2. Diagram of transverse section of the spinal cord.
3. Anatomy of capillaries.
4. External intercostal muscles.
5. Cerebro spinal fluid.
6. Cyanosis.
7. Type – II Respiratory failure.
8. Mean arterial pressure.
9. Functional residual capacity.
10. After load.
