

[LF 0212]

AUGUST 2014

Sub. Code: 1211

**DIPLOMA IN CRITICAL CARE TECHNOLOGY
SECOND YEAR
PAPER I – APPLIED ANATOMY & PHYSIOLOGY**

Q.P. Code : 841211

Time : Three hours

Maximum : 100 marks

Answer All questions.

I. Elaborate on:

(3x10 = 30)

1. What are the types of Respiratory failure? Write about the causes and management?
2. What is CVP? How is it measured? Mention various factors affecting its measurement?
3. Autonomic nervous system?

II. Write short notes on:

(10x5 = 50)

1. Coronary blood flow.
2. Spirometer recording showing lung volumes and capacities.
3. Metabolic requirement of brain.
4. Work of breathing.
5. Oxygen dissociation curve.
6. Cranial nerves.
7. Cardiac output and various factors affecting it.
8. Write the anatomy of Pharynx.
9. Write the anatomy of Brainstem.
10. Chambers of heart.

III. Short answers on:

(10x2 = 20)

1. Factors affecting pulmonary function.
2. Intercostal muscles.
3. Explain: Vital Capacity.
4. What is brain Death.
5. Name the respiratory centers.
6. Pericardium.
7. Cardiac cycle.
8. What is Preload.
9. Metabolic acidosis.
10. Diaphragm.
