

[LN 1018]

OCTOBER 2018

Sub. Code: 1701

**M.Sc. CRITICAL CARE TECHNOLOGY EXAMS
FIRST YEAR
PAPER I – APPLIED ANATOMY & PHYSIOLOGY RELATED TO
CRITICAL CARE**

Q.P. Code: 281701

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. List out the muscles of thorax. Give details of accessory muscles of respiration.
2. Describe the structure of Nephron. Explain Renal Function Tests.

II. Write notes on:

(10 x 6 = 60)

1. Cerebro Spinal Fluid.
2. Danger space of scalp.
3. Digestion of food in the stomach.
4. Golgi complex.
5. Electrocardiogram.
6. Bronchopulmonary segments.
7. Phagocytosis.
8. Extraocular muscles.
9. Lacrimal apparatus.
10. Cartilages of larynx.

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Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain the Renal Function Tests. Describe the definition, phases and management of Acute Renal Failure.
2. Describe the anatomy of the Pleura. Enumerate the types of Pneumothorax and Critical Care Management of Tension Pneumothorax.

II. Write notes on:

(10 x 6 = 60)

1. Resistance and Compliance.
2. Coronary Circulation.
3. Cerebrospinal Fluid.
4. Conduction System of the Heart.
5. Persistent Vegetative State.
6. Lung Volumes and Capacity.
7. Myxedema.
8. Homeostasis.
9. Artificial Airways.
10. ECG findings of Acute Myocardial Infarction.
