

[LP 1019]

OCTOBER 2019

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. 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.

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