

[LO 0519]

MAY 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. Describe the Coronary Circulation. Describe etiology, clinical features and management of Acute Myocardial Infarction.
2. Define the types of Respiratory Failure. Describe Acute Respiratory Distress Syndrome in detail.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Circle of Willis.
2. Draw the Pain Pathway.
3. Explain the Renal Function Tests.
4. Describe the waves of the Normal Electrocardiogram.
5. Brain Death.
6. Lung Volumes and Capacity.
7. Acute Pancreatitis.
8. Homeostasis.
9. Oxygen Delivery Systems.
10. X-ray Features of Tension Pneumothorax.

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