

[LP 1019]

OCTOBER 2019

Sub. Code: 1711

**M.Sc. CRITICAL CARE TECHNOLOGY EXAMS
SECOND YEAR
PAPER I – GENERAL CRITICAL CARE**

Q.P. Code: 281711

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. What are the methods and significance of measuring the following Lung Volume and flow in ICU?
 - a) Tidal Volume
 - b) Vital Capacity
 - c) Increased Peak Pressure
 - d) Positive End Expiration Pressure (PEEP)
2. Define Pressure Sore. Mention a common Pressure Ulcer Sites. Enumerate the classification of Pressure Ulcer Sites in detail.

II. Write notes on:

(10 x 6 = 60)

1. Care and Maintenance of ECG Machine. What are the causes of abnormal ECG Tracing?
2. What is Extubation? What are the indications and precautions for extubation? Explain the Procedure and Post Procedure of an Extubation.
3. End Tidal CO₂ Monitoring-principles, advantages and Pitfalls in monitoring.
4. What is the difference between Defibrillation and Cardioversion? Draw the sequence for Adult Basic Life Support.
5. Classify ventilator alarm settings? Mention the conditions where you get on High Peak alarm and Low Peak alarm.
6. Define Pericardiocentesis. What are the indications and contraindications?
7. What is weaning failure? Enumerate the causes of weaning failure. What are the causes signs of weaning failure?
8. Airway Pressure Release Ventilation.
9. What is IABP? What is the indication of IABP? Describe the pathophysiology of IABP.
10. What are the indications in Echocardiogram in ICU? What are the important four views? Draw the figure of four views of Echocardiography seen in ICU. What is the significance of Measuring IVC in ICU?
