

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 1123]

NOVEMBER 2023

Sub. Code: 1248

B.Sc. CRITICAL CARE TECHNOLOGY
SECOND YEAR (Regulation 2018-2019 onwards)
PAPER III – ICU MONITORING I (BASIC) & BIOMEDICAL ENGINEERING
Q.P. Code: 801248

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Define Tension Pneumothorax and describe in detail about clinical features, diagnosis, and critical care management.
2. Define Stroke. Discuss in detail about management of Ischaemic stroke.
3. Define Shock. What are the types of Shock? Explain in detail about pathophysiology and management of Hypovolemic Shock.

II. Write notes on:

(8 x 5 = 40)

1. CPAP.
2. Burn out syndrome.
3. Nebuliser.
4. ABG Monitoring.
5. Consumption coagulopathy.
6. Autologous blood transfusion.
7. Parts of a Laryngoscope.
8. Venturi effect.

III. Short answers on:

(10 x 3 = 30)

1. Deep Vein Thrombosis.
2. Precautions to be taken before endotracheal intubation.
3. Oropharyngeal Airway.
4. Hypokalemia.
5. Tidal volume.
6. Three causes for Bradycardia.
7. Pulse oximeter.
8. What is normal Minute Ventilation?
9. Universal precautions.
10. Postural drainage.
