

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

[AHS 0922]

SEPTEMBER 2022

Sub. Code: 1218

(FEBRUARY 2022 & AUGUST 2022 EXAM SESSIONS)

B.Sc. CRITICAL CARE TECHNOLOGY
SECOND YEAR (Regulations from 2014-2015 & 2015-2016)
PAPER III – ICU MONITORING I (BASIC) & BIOMEDICAL ENGINEERING
Q.P. Code : 801218

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Define stroke. Discuss in detail about the management of Ischemic stroke.
2. Discuss about the pathophysiology and management of Disseminated Intravascular Coagulation.
3. Describe the various types and uses of medical equipments in ICU.

II. Write notes on:

(8 x 5 = 40)

1. Steroids in ICU patient.
2. High flow oxygen delivery devices.
3. Compliance.
4. Myxoedema coma.
5. Tracheostomy.
6. Pulmonary function test.
7. Management of Status epilepticus.
8. CPR.

III. Short answers on:

(10 x 3 = 30)

1. Emergency management of Transfusion reaction.
2. Neurogenic shock.
3. Ohm's law.
4. Draw the wave form of ETCO₂.
5. Forced vital capacity.
6. Herniation syndrome.
7. Capillary refilling time.
8. HEPA filters.
9. HELLP syndrome.
10. Extubation Criteria.
