

THE TAMIL NADU M.G.R. MEDICAL UNIVERSITY

[AHS 1023]

OCTOBER 2023

Sub. Code: 1721

**M.Sc. CRITICAL CARE TECHNOLOGY
THIRD YEAR (From 2020-2021 onwards)
PAPER I – ADVANCED CRITICAL CARE PART I
BRANCH I – GENERAL CRITICAL CARE AND RESPIRATORY**

Q.P.Code:281721

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Mr. 'X' is admitted to Medical Intensive Care Unit with a diagnosis of Guillain Barre Syndrome.
 - a) Describe pathophysiology with clinical manifestations.
 - b) List the diagnostic test that could confirm diagnosis.
 - c) Enumerate the aspects of medical management.
 - d) Write nursing management of patient with GBS.

2. Master N met with road traffic accident and was declared brain dead.
 - a) Describe brain dead protocol.
 - b) What are the differences between brain death and persistent vegetative state?
 - c) Plan a holistic care on a patient in persistent vegetative state.

II. Write Short notes on:

(10 x 6 = 60)

1. Cardiac enzymes.
2. Ventilator settings in management of Acute Respiratory Distress Syndrome.
3. Complications of Unconsciousness.
4. Chest physiotherapy in critical care.
5. Heplock maintenance.
6. Homan's sign.
7. ECMO and types of circuits.
8. ICU psychosis.
9. Pharmacovigilance program of India.
10. Management of acute pulmonary embolism.
