

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

[AHS 1022]

OCTOBER 2022

Sub. Code: 1703

M.Sc. CRITICAL CARE TECHNOLOGY

FIRST YEAR

(Candidates admitted from 2017-2018 onwards - Paper - III)

(Candidates admitted from 2020-2021 onwards - Paper - IV)

**PAPER III & IV – APPLIED PATHOLOGY AND MICROBIOLOGY RELATED
TO CRITICAL CARE**

Q.P. Code : 281703

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Define Bio Medical Waste. What are the Categories? How will you segregate at the source? Note on importance of Bio Medical Waste Disposal.
2. Define Cerebro Vascular Accident. Discuss in detail about its etiology, risk factors and management in ICU.

II. Write Short Notes on:

(10x6 = 60)

1. Define Emphysema. Mention the types of emphysema and its clinical features.
2. What are the causes for Upper Gastrointestinal bleeding? Mention its clinical features and management.
3. What is PPE? List PPE used in ICU. How will you discard the used PPE?
4. What are the causes for Portal Hypertension? Discuss in detail about its clinical presentation and its Managements in ICU.
5. What is the causative agent, source of infection and mode of transmission of intestinal amoebiasis?
6. What do you mean by Opportunistic infections? Mention four common infections and two malignancies that occurring in HIV patients.
7. Write about etiology and preventive measures of CLABSI (Catheter Related Blood Stream Infections).
8. Barrier nursing methods used in the ICU. What is isolation?
9. What is Bronchio-Alveolar Lavage? Mention briefly about its clinical implication.
10. What are the causes for Viral Hepatitis? Discuss in detail about complications HBV infections?
