

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

[AHS 0222]

**FEBRUARY 2022
(OCTOBER 2021 EXAM SESSION)**

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. What is Nosocomial Infections? List out the sources and spread of infections? Discuss in detail about methods of prevention of these infections?
2. Define Shock. Discuss in detail about its types and pathogenesis of septic shock.

II. Write Short Notes on:

(10x6 = 60)

1. What are the types of Hypersensitivity reactions and give two examples in each type.
2. Discuss in detail about Immunization schedule for Children.
3. What is Ghon's focus? Mention various complication of Tuberculosis?
4. What is Pneumonia? Mention about types of Pneumonia and pathogenesis?
5. Universal precautions.
6. Define Acute Renal Failure. Add a note on it's the causes, clinical features and complications in detail.
7. What is septicemia? How will you manage in ICU?
8. Define anaemia. Write about the four common causes, clinical features and its complication in detail.
9. What are Zoonotic diseases? Mention two parasitic and two bacterial causes of zoonotic diseases.
10. Define Sterilization and list the methods of sterilizations.
