

[LP 1019]

OCTOBER 2019

Sub. Code:1703

**M.Sc. CRITICAL CARE TECHNOLOGY EXAMS
FIRST YEAR
PAPER III – APPLIED PATHOLOGY AND MICROBIOLOGY RELATED
TO CRITICAL CARE**

Q.P. Code: 281703

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Define sterilization and disinfection; classify various agents used for sterilization; explain about moist heat sterilization. Add a note on fumigation of ICU.
2. What is Pneumonia? Mention about types of Pneumonia and pathogenesis. Explain about hospital acquired Pneumonia in terms of its predisposing factors and clinical features. Add a note on the prevention of hospital acquired Pneumonia.

II. Write notes on: **(10 x 6 = 60)**

1. Describe about Koch's postulates.
2. What are different types of culture media? Write a note on transport media.
3. What is HIV? Mention the modes of transmission of HIV infection. Add a note on Universal precautions.
4. List the causative of fever with headache. Add note on clinical features and Laboratory diagnosis of Dengue.
5. Mention the different staining techniques used in Bacteriology. Explain about differential staining technique.
6. Define acute renal failure. What are the causes, clinical features and complications of Acute Renal Failure in ICU patients?
7. Define Neutropenia. What are the causes, clinical features and complications of Neutropenia?
8. Name the common poisoning in India. Add note on clinical features and complications of OPC Poisoning.
9. List the different methods of biomedical waste treatment. Describe in detail about any two methods of biomedical waste treatment.
10. Name the parasites which will cause Diarrhea? Explain about amoebiasis.
