

[LJ 0816]

AUGUST 2016

Sub. Code: 1217

B.Sc. CRITICAL CARE TECHNOLOGY

(New Syllabus 2014-2015)

SECOND YEAR

PAPER II – CLINICAL MICROBIOLOGY

Q.P. Code: 801217

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Define disinfection; Write about mechanism of action, uses and disadvantages of glutaraldehyde and povidone iodine in critical care practice.
2. List the common causes of nosocomial respiratory infections. Discuss in detail the methods to prevent these infections.
3. Mode of spread, source of infection, diagnosis and prevention of malaria.

II. Write notes on:

(8 x 5 = 40)

1. Barrier nursing methods used in the ICU.
2. Describe the mid-stream clean catch procedure for urine culture.
3. What are universal precautions?
4. Routes of transmission of disease.
5. Nosocomial wound and skin infections.
6. Role of normal flora in human health.
7. Categories of medical waste.
8. Prevention of HIV.

III. Short answers on:

(10 x 3 = 30)

1. Name two medically important fungi.
2. Causative agent of leptospirosis and tetanus.
3. Dengue serotypes.
4. Mention three malarial parasites.
5. Name two drugs used in the first line treatment of TB.
6. Name three vaccines given to infants.
7. How are scissors, cystoscopes and bone marrow sets sterilized?
8. In which colour coded bag or containers are needles, gloves and human tissues discarded?
9. Vaccination for tetanus.
10. What is significant bacteriuria?
