

B.Sc. CRITICAL CARE TECHNOLOGY

(New Syllabus 2014-2015 & 2015-2016)

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. Classify disinfectants according to their level of activity. Add a note on disinfection protocols in the intensive care unit.
2. Antibiotic drug resistance: causes and consequences.
3. Classify Health care associated infections and write a note on the prevention of each.

II. Write notes on:**(8 x 5 = 40)**

1. Laboratory diagnosis of Pulmonary tuberculosis.
2. Laboratory diagnosis of Cholera.
3. Clostridium tetani.
4. Bio Medical waste management – Discuss the importance and ultimate disposal protocols.
5. Blood borne viruses and prevention.
6. Surveillance in Hospitals to prevent HCAI's.
7. Gaseous sterilants.
8. Sterilization by radiation.

III. Short answers on:**(10 x 3 = 30)**

1. Normal flora.
2. Sources of infection.
3. Gram stain.
4. Expand and define: MRSA and CRO.
5. Difference between concurrent and terminal disinfection.
6. Bacterial growth curve.
7. Anthrax: Causative agent and types, routes of transmission: causative agent, types, sources of infection and prevention.
8. Legionella : causative organism and prevention.
9. Anaerobe causing Antibiotic Associated diarrhea: causative agent, clinical features and management.
10. List the role of a HCW in preventing HCAI's.
