

[MBBS 0223]

FEBRUARY 2023

Sub. Code :6065

M.B.B.S. DEGREE EXAMINATION

(For the candidates admitted from the Academic Year 2019-2020)

SECOND YEAR - (CBME)**PAPER III – MICROBIOLOGY – I***Q.P. Code: 526065***Time: Three hours****Maximum : 100 Marks (80 Theory + 20MCQs)****Answer all the Questions****I. Essay:****(2 x 15 = 30)**

1. A 60 year old diabetic patient was admitted in surgery ward with c/o blackish discolouration of Right foot 2 days after a road traffic injury. O/E there is foul smelling discharge and crepitus in the wound site. Microscopic examination of discharge reveal Gram positive bacilli. Answer the following questions :
 - a) Enumerate the organisms that are causing the symptoms.
 - b) Write the pathogenesis and clinical manifestation of the organism.
 - c) Explain the diagnostic methods.
 - d) Mention the management.
2. Write the classification of Disinfectants depending upon its efficacy. Explain in detail about intermediate level of Disinfectant.

II. Write Short notes on:**(10 x 5 = 50)**

1. Write the lab diagnosis of cutaneous infection caused by dermatophytes.
2. Explain the working mechanism of Fluorescence microscope.
3. Write Short notes on Automated Blood culture techniques.
4. Define genetic engineering and write the procedure and application of recombinant DNA technique.
5. Write a Short note on Humoral Immunodeficiency Diseases.
6. Write the method of production of Monoclonal antibody and its application.
7. Describe the wound class type in Surgical Site Infection and its prevention.
8. Write the preventive measures for Measles.
9. Explain the pathogenesis and lab diagnosis of Mycetoma foot
10. Write short notes on congenital Rubella Syndrome.
