

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

[MBBS 0822]

AUGUST 2022

Sub. Code :6065

M.B.B.S. DEGREE EXAMINATION

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

SECOND YEAR- SUPPLEMENTARY (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 55 year old male patient attend the ortho OP with c/o pain and swelling over right knee joint. O/E there is fever and tenderness over the joint. Radio diagnosis shows Periosteal thickening and the signs of osteomyelitis. Gram's staining of synovial fluid shows Gram Positive Cocci in groups.
 - a. What is the causative organism and enumerate other organisms causing osteomyelitis.
 - b. Explain the clinical features and pathogenesis of the causative organism.
 - c. Write its lab diagnosis and management.
2. Explain the general structure of immunoglobulin and describe the function of different classes of immunoglobulins

II. Write Short notes on:

(10 x 5 = 50)

1. Explain the working mechanism of Phase contrast Microscope.
2. Describe the diagnostic methods of mucocutaneous candidiasis.
3. Write about the types of Bacterial Culture Media.
4. Write a short notes on Transposons .
5. Explain the function of Natural killer cells.
6. Write about cytokines and its function.
7. Explain Plasma Sterlization and its uses.
8. Write the preventive measures on German measles.
9. Short notes on chlamydial conjunctivits.
10. Explain the prophylaxis of Human Papilloma virus.
