

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

[MBBS 0524]

MAY 2024

Sub. Code :6065

M.B.B.S. DEGREE EXAMINATION

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

SECOND PROFESSIONAL – SUPPLEMENTARY (CBME)

PAPER I – MICROBIOLOGY

Q.P. Code: 526065

Time: Three hours

Maximum : 100 Marks (80 Theory + 20MCQs)

Answer all the Questions

I. Essay:

(2 x 15 = 30)

1. Define Healthcare Associated Infection (HAI). Explain the microbiology, pathogenesis and diagnosis of Catheter – Associated Urinary Tract infection.
2. a) Define Antibody.
b) Explain the structure of antibody with a suitable diagram.
c) Enumerate the classes of immunoglobulins and its respective functions.

II. Write Short notes on:

(10 x 5 = 50)

1. Define mutation and write its impacts on antimicrobial drug resistance.
2. Describe the morphological classification of fungi with example.
3. Write short note in Immuno Chromatographic Test (ICT).
4. Write short notes on Bruton disease.
5. Explain Skin and Soft tissue infection of Herpes simplex and its diagnostic methods.
6. Write National Immunization schedule for infant and children.
7. How will you evaluate the quality of air in operation theatre?
8. Explain the diagnostic methods of gas gangrene.
9. Enumerate the parasites causing skin and soft tissue infection. Write lab diagnosis and management of Onchocerca volvulus.
10. Explain oncogenesis mechanism of human Papilloma virus.
