

[MBBS 0325]

MARCH 2025

Sub. Code :6066

M.B.B.S. DEGREE EXAMINATIONS
(For the candidates admitted from the Academic Year 2019-2020)

SECOND PROFESSIONAL – SUPPLEMENTARY - (CBME)

PAPER II – MICROBIOLOGY

Q.P. Code: 526066

Time: Three hours

Maximum : 100 Marks (80 Theory + 20MCQs)

Answer all the Questions

I. Essay: (2 x 15 = 30)
(2+10+3)

1. A 9-year-old girl brought to paediatric OPD with complaints of intermittent fever with chills, rigor, anorexia and tiredness for the past 10 days. On examination the patient had anaemia and hepatosplenomegaly. Her peripheral blood smear study showed accolé forms and double dot forms inside the RBC.
 - a) What is your probable diagnosis and the probable causative pathogenic species.
 - b) Describe the life cycle of this parasite and laboratory diagnosis of this disease.
 - c) Write a brief note on its prevention strategies.

(2+2+8+3)

2. A 27-year-old man was brought to OPD with complaints of high-grade fever, vomiting, severe head ache and altered consciousness. Physical examination of this patient revealed neck rigidity and other signs of meningeal irritation. Physician ordered CSF cytology and CSF sample sent to microbiology laboratory for Gram stain and Culture and sensitivity.
 - a) What is the probable clinical condition?
 - b) Enumerate the causative pathogens of this condition.
 - c) Brief about the predisposing factors and laboratory diagnosis of this condition.
 - d) Write a note on its prophylaxis.

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

1. Laboratory diagnosis of Candida infections.
2. Write about Viral markers of Hepatitis B virus.
3. What is full and reasonable disclosure? Explain about contrast autonomy and Paternalism.
4. Describe briefly about Diarrheagenic E. coli.
5. Write a note on Opportunistic Coccidian parasites.
6. Write in detail about pathogenesis and prophylaxis of rabies virus.
7. Primary amoebic meningo encephalitis.
8. Define Mycotoxins and their effects on humans.
9. Dermatophytes.
- ~~10. Explain Preventive Strategies of Tuberculosis. Add a note on National Tuberculosis Elimination Program.~~