

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

[MBBS 0224]

FEBRUARY 2024

Sub. Code :6066

M.B.B.S. DEGREE EXAMINATION

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

SECOND PROFESSIONAL YEAR – (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)

1. A 30 year old man presented with complaints of pain right side of abdomen. He gave a history of having a pet dog. Ultrasonogram revealed a single space occupying cystic lesion in the right lobe of liver.
 - a) Identify the disease and the causative agent?
 - b) Write briefly about the life cycle of the above clinical condition.
 - c) Write shortly on the lab diagnosis and management.
2. A middle aged man presented with fever for more than 3 weeks. He was hospitalized for more than 5 days without identifying the definitive cause.
 - a) What is your probable diagnosis?
 - b) Classify the clinical condition and list the ethological agents involved.
 - c) What are the laboratory investigations required in this case?

II. Write Short notes on:

(10 x 5 = 50)

1. Write about the pathogenesis and lab diagnosis of Shigellosis.
2. Describe the mechanism of action of tetanus toxin and the role of tetanus toxoid vaccine.
3. Enumerate the causes of meningitis. Explain briefly about clinical features and lab diagnosis of viral meningitis.
4. Write short note on Fasciolopsiasis.
5. Enumerate the common causes of urinary tract infection. Write briefly about the lab diagnosis of urinary tract infection.
6. A 50 year old diabetic male developed blackish discoloration around the eye with head ache and one sided facial swelling. He had recovered from Covid-19 two weeks back. What is your probable diagnosis and Explain briefly about the clinical manifestation of this condition?
7. Write the clinical feature and lab diagnosis of Lyme disease.
8. Enumerate Halophilic Vibrios. Write briefly about the clinical manifestation and lab diagnosis.
9. Write about the lab diagnosis of Brucellosis.
10. Write short note on lab diagnosis and prophylactic measures against Pertussis.
