[MBBS 0223] **FEBRUARY 2023** **Sub. Code :6066**

M.B.B.S. DEGREE EXAMINATION

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

SECOND YEAR – (CBME)

PAPER III – MICROBIOLOGY – II

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 5 year old male child admitted in ICU with c/o fever, headache and chills. His mother complained that child is not able to stand 5 days after the onset of fever. O/E there is flaccid paralysis of lower limbs and tripod sign is elucidated. On CSF analysis glucose level and protein level is normal. Microscopic examination of CSF show 25-40 lymphocytes per microlitre and no bacteria seen. Ziehl – Neelsen staining of CSF is negative for Acid Fast bacilli.
   a) Mention the organism causing the disease. Enumerate the other organisms causes myelitis.
   b) Write in detail about the clinical manifestation, Lab diagnosis of disease.
   c) Describe prophylaxis of the causative organism.

2. A 45 year old male patient attend O.P. with H/O fever with chills, headache abdominal pain with vomiting. History was elicited, that he went to Andaman and has taken drinking water from a lake. On examination there is jaundice with Hepato splenomegaly. On dark ground microscopic examination of blood shows spirally coiled bacilli.
   a) What is the causative bacteria and write its pathogenesis.
   b) Describe the lab diagnosis and management of the disease.
   c) Write the preventive measures of it.

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

1. Explain blood culture method for detection of Infective Endocarditis.
2. Write the current definition and etiology of fever of unknown origin.
3. Write short notes on drug resistance in Typhoidal Salmonella.
4. Short note on Scrub typhus.
5. Explain the pathogenesis and the diagnosis of dengue fever.
6. Write the lab diagnosis of diarrhoea caused by coccidian parasite.
7. How will you diagnose Respiratory tract Infection caused by Aspergillus.
8. Describe the structure of SARS CoV -2.
9. Describe the life cycle of Echinococcus granulosus.
10. Write the prophylaxis of whooping cough.

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