

**M.B.B.S. [2<sup>nd</sup> Prof.]**

BF/2015/11

**Microbiology - B**

M.M. : 40

Time : 3 Hours

Note : Attempt all questions.

**USE SEPARATE ANSWER SHEET FOR EACH PART.****PART - I**

1. A 25 years old male complains of fever with chills and rigors every third day for last 10 days. Peripheral blood smear examination shows signet ringed trophozoites in the red blood cells.
  - a. What is diagnosis and etiological agent? [2]
  - b. Discuss its life cycle and laboratory diagnosis. [3+3=6]
2. **Write short notes on any TWO:** [3+3]
  - a. Laboratory diagnosis of Filariasis.
  - b. Cysticercus cellulosae.
  - c. Morphological classification of fungi.
3. **Write briefly on any TWO:** [3+3]
  - a. Mucormycosis.
  - b. Laboratory diagnosis of cryptococcal meningitis.
  - c. Etiology of dermatophytosis.

**PART - II**

4.
    - a. Enumerate viruses causing diarrhoea. [2]
    - b. Discuss clinical syndromes caused by adeno virus and its laboratory diagnosis. [6]
  5. **Write short notes on any TWO :** [3+3]
    - a. Virus growth in tissue culture.
    - b. Antigenic variations of influenza virus.
    - c. Post exposure prophylaxis in rabies.
  6. **Write briefly on any TWO.** [3+3]
    - a. Diseases transmitted by ticks.
    - b. Diseases transmitted by rat flea.
    - c. Vectors.
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