

M.B.B.S. [2nd Prof.]

BF/2016/11

Microbiology - B

M.M. : 40

Time : 3 Hours

- Note:
1. Attempt all questions. Illustrate your answer with suitable diagrams.
 2. ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.
 3. **NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/PROVIDED**
 4. **The student must write Q.P. Code in the space provided on the Title page of the Answer Book.**

PART - I

1. 25 years male present with fever and hepatosplenomegaly. Smear from bone marrow aspirate show amastigotes and culture on NNN medium shows promastigotes.
 - a. What is diagnosis and etiology?
 - b. Discuss life cycle and pathogenesis of the causative agent.
 - c. Describe the laboratory diagnosis of the condition.[8]
2. **Write short notes on any TWO:** [3+3]
 - a. Cutaneous larva migrans.
 - b. Life cycle of Ancylostoma duodenale.
 - c. Aspergillosis.
3. **Describe in brief any of two:** [3+3]
 - a. Oral thrush.
 - b. Histoplasmosis.
 - c. Morphological classification of fungus.

PART - II

4. Discuss epidemiology, morphology, laboratory diagnosis and prophylaxis of Hepatitis B virus (HBV). [8]
5. **Write short notes on any TWO :** [3+3]
 - a. Inclusion bodies.
 - b. Viral vaccines.
 - c. Varicella zoster virus (VZV).
6. **Discuss in brief on any of two:** [3+3]
 - a. Cultivation of viruses.
 - b. Antigenic drift and shift in Influenza A virus.
 - c. Laboratory diagnosis of Rabies.