

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

BF/2014/11

Microbiology - B

M.M. : 40

Time : 3 Hours

Note : Attempt all questions.

USE SEPARATE ANSWER SHEET FOR EACH PART.

PART - I

1. An outbreak of mild intestinal distress, sleeplessness, perianal itching and anxiety has broken out among preschool children in a private home.
 - a. What could be the most likely parasitic cause of this condition? [1]
 - b. Draw life cycle of the parasite. [3]
 - c. Discuss its pathology, pathogenesis and laboratory diagnosis. [4]

2. **Write short notes on any TWO:** [3+3]
 - a. Cerebral malaria.
 - b. Laboratory diagnosis of Kala-azar.
 - c. Tinea pedis.

3. **Write briefly on any TWO:** [3+3]
 - a. Aspergillosis.
 - b. Pneumocystitis jirovecii.
 - c. Azoles.

PART - II

4.
 - a. Enumerate the viruses causing cancer in humans and the respective organs affected by cancer. [2]
 - b. What is multistep carcinogenesis. [2]
 - c. Discuss interaction of cancer viruses with host cells. [4]

5. **Write short notes on any TWO :** [3+3]
 - a. Acyclovir.
 - b. Antigenic shift.
 - c. Pulse polio.

6. **Write briefly on any TWO.** [3+3]
 - a. Diseases transmitted by housefly.
 - b. Diseases transmitted by mites.
 - c. Vector control.
