MICROBIOLOGY

2009	*Second Paper*	Full Marks : 40

Use Separate answer script for each group

Attempt all questions. The figures in the margin indicate distribution of marks in each question.

Group – A

1. a) A 40year truck driver presented to OPD with history of fever, weakness, wasting and chronic diarrhea for last one month. What is the probable clinical diagnosis? What is/are the etiological agent(s)? How will you confirm the diagnosis? How will you prevent the disease in the community?   1+2+4+3

    or

    b) A 40 year male from Bihar presented to the hospital with history of fever, severe weakness, pallor and palpitation. On examination he had hepatomegaly and a huge splenomegaly.
    What is the clinical diagnosis? What is/ are the causative agent(s) of this condition? How will you confirm the diagnosis in the laboratory?   1+1+8

Group - B

2. Write short notes on (*any three*) :   3 x 4
    a) Inclusion bodies
    b) Saboraud's dextrose agar
    c) Post kala-azar dermal leishmaniasis
    d) Blackwater fever

Group - C

3. Comment on (*any three*) :   3 x 4
    a) Importance of universal precaution for health workers.
    b) Dengue hemorrhagic fever commonly occurs in endemic areas.
    c) *Taenia solium* infection is more dangerous than *Taenia saginata* infection.
    d) Viral infection may result in malignancy

Group – D

4. Differentiate between :   3 x 2
    a) OPV and IPV in prevention of Polio
    b) Trophozoits of *Plasmodium vivax* and *Plasmodium falciparum*.
    c) Cell wall of Gram positive and Gram negative bacteria