

**The West Bengal University of Health Sciences**  
**M.B.B.S. 2<sup>nd</sup> Professional Examination, 2017**

**Subject: Microbiology****Time: 2hrs****Paper: I****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 middle aged man presented with alternate day sudden onset fever associated with chill and rigor for the last 10 days. Fever subsided with sweating within a few hours. On examination, he was found to be anaemic and have mild hepatomegaly. What might be the most possible clinical condition? Enumerate the probable etiological agents. What are the routes of entry of such agents? Describe the laboratory Diagnosis of such condition. 1+2+1+6

or

- b) A 30 year old man, truck driver by profession, complained of generalized weakness along with persistent diarrhea for one month and loss of weight. He had a history of exposure a few months back. What might be the clinical condition? Which etiological agent/s are responsible for such a condition? How will you proceed for laboratory diagnosis? 1+2+7

**Group - B**

2. Write short notes on ( **any three** ) : 3 x 4
- a) Inclusive bodies
  - b) Macroconidia of Dermatophytes
  - c) Hydatid cyst
  - d) NIH swab

**Group - C**

3. Comment on ( **any three** ) : 3 x 4
- a) Surgical intervention may be necessary in case of Ascariasis infestation
  - b) Some viruses are oncogenic
  - c) SDA medium is a selective medium for fungal culture
  - d) Anti rabies neural vaccines are not used now a days

**Group – D**

4. Differentiate between : 3 x 2
- a) Endothrix and Ectothrix
  - b) OPV and IPV
  - c) Entamoeba histolytica and Entamoeba coli