



HAM-02012143 Seat No. _____

Second Year M. B. B. S. Examination

June / July – 2017

Microbiology : Paper - II

[Virology + Parasitology + Mycology + Recent Advances]

Time : 2 Hours]

[Total Marks : 40

- Instructions :** (1) Answers of two sections should be written in two separate answer sheets.
(2) Digits on right side indicate maximum marks.
(3) Draw diagrams/figures wherever necessary,

SECTION – I

- 1 A young child from village presented with high **1+2+7=10**
grade intermittent fever, convulsion and loss of sensorium.
The peripheral blood smear examination revealed presence
of parasitic forms.
- (1) What can be the most probable cause of this clinical
condition?
- (2) Enumerate other parasites which can cause fever,
- (3) Describe stepwise microbiological laboratory diagnosis of
such clinical condition.
- 2 Write in short : (Any **Two**) **10**
- (a) Classification of viruses.
- (b) Viral Hepatitis.
- (c) Laboratory diagnosis of HIV / AIDS.

SECTION – II

- 3 Write in short : (Any **Two**) **10**
- (a) Taxonomic classification of fungi.
- (b) Dermatophytosis.
- (c) Aspergillosis.

4 Answer in 2-3 sentences : (Any Five)

10

- (a) Draw and label the diagram of cyst/trophozoite of *E. histolytica*.
- (b) Give examples of four biological vectors alongwith the diseases they transmit.
- (c) Explain the term hyperinfection? Name the parasites in which such condition is observed.
- (d) Enumerate four oncogenic viruses.
- (e) Enumerate four common arboviruses prevalent in Gujarat.
- (f) What is germ tube test?
