



MM-201721 Seat No. _____
Second Year M. B. B. S. Examination
January - 2018
Microbiology : Paper - II
(*Virology, Parasitology, Mycology, Recent Advances*)

Time : 2 Hours]

[Total Marks : 40

Instructions :

- (1) Figures on right indicate full marks.
- (2) Draw figures wherever necessary.
- (3) Write Section - I and Section - II in separate answer-sheet.

SECTION - I

- 1 A 39 years old male patient presented with diarrhea since 4 days with passage of blood and Mucus with foul smelling stool. Patient have complain of abdominal pain. Wet mount stool preparation showed protozoa with pseudopodia.
 - (a) What is the most probable parasitic infection causing such clinical presentation ? 1
 - (b) Describe the pathogenesis of said clinical condition. 4
 - (c) Describe the laboratory diagnosis of clinical condition presented. 5

- 2 Write short notes on : (any two) 10
 - (a) Oncogenic viruses.
 - (b) Viral inclusion bodies.
 - (c) Immunoprophylaxis of rabies.

SECTION - II

- 3** Write short notes on : (any two) **10**
- (a) Cryptococcosis.
 - (b) Laboratory diagnosis of fungal infection
 - (c) Taxonomic classification of fungi.
- 4** Answer in 2-3 sentences : (any five) **10**
- (a) Draw and label the diagram of *Trichomonas vaginalis*.
 - (b) Give four differences between *T. solium* and *T. saginata*.
 - (c) What is antigenic shift and drift in Influenza virus ?
 - (d) What is viral hemorrhagic fever? Name four viruses causing hemorrhagic fever.
 - (e) Briefly write about status of Polio eradication in India.
 - (f) What is dimorphic fungi ? Give the name of four dimorphic fungi.
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