

YC-102

D/ME-02012143

**Second Year M.B.B.S. (New) Examination
January-2015**

**Microbiology : Paper – II
(Virology, Parasitology, Mycology, Recent Advances)**

**Faculty Code : D/ME
Subject Code : 02012143**

Time : 3 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 eight years old male patient with thalasemia presented with abdominal pain, nausea Vomiting and yellow sclera. Patient had a blood transfusion many times.
- (1) Mention most probable infection the patient is suffering from. **1**
- (2) Mention the two most likely viral pathogen responsible for this condition. **1**
- (3) Write laboratory diagnosis of these viral infections. **8**
2. Write short notes on : (Any two) **10**
- (a) Describe the differences between *Pl. falciparum* & *Pl. vivax*
- (b) Life cycle of *Ancylostoma duodenale*
- (c) Tissue nematodes.

SECTION — II

3. Write short notes on : (Any two) **10**
- (a) Laboratory diagnosis of Candidiasis.
- (b) Mycetoma.
- (c) Describe laboratory diagnosis of fungal infection.

4. Answer in 2-3 sentences : (Any **five**)

10

- (a) Draw and label the diagram of *W. bancrofti* microfilaria.
 - (b) What is dimorphic fungi ? Name four dimorphic fungi.
 - (c) Name four differences of *Taenia saginata* and *Taenia solium* segments.
 - (d) What is viral hemorrhagic fever ? Name four viruses causing hemorrhagic fever.
 - (e) Enumerate the major antigens of H.I.V.
 - (f) What is onychomycosis ? Name two fungi causing onychomycosis.
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