

Code No. 9510

**FACULTY OF SCIENCE**  
**M. Sc. IV – Semester Examination, April / May 2014**

**Subject : Microbiology**  
**Paper – IV: Medical Virology and Parasitology**

**Time : 3 Hours**

**Max. Marks: 80**

**Note : Answer all questions from Part–A and Part–B. Each question carries 4 marks in Part–A and 12 marks in Part – B.**

**PART – A (8 x 4 = 32 Marks)**  
**(Short Answer Type)**

- 1 Primary cell cultures
- 2 ELISA
- 3 Amplifying host
- 4 Feco-oral route of transmission
- 5 Sex dependent viruses
- 6 Secondary infections
- 7 Exoerythrocytic cycle
- 8 Mycosis

**PART – B (4 x 12 = 48 Marks)**  
**(Essay Answer Type)**

- 9 (a) Explain the cultivation of viruses in embryonated eggs.  
**OR**  
(b) Discuss the viral tropism with suitable examples.
- 10 (a) Discuss the morphology, route of transmission and diagnosis of Rabies Virus.  
**OR**  
(b) What is Zoonosis? Explain the zoonotic mechanism and life cycle of certain zoonotic viral diseases.
- 11(a) List out the Hepatitis viruses and write the etiology and pathogenesis in detail.  
**OR**  
(b) What is syndrome? Discuss the syndrome caused by HIV in detail.
- 12 (a) Discuss the causal agent for Amoebiasis, its pathogenesis and clinical symptoms.  
**OR**  
(b) Differentiate round worm and hook worm both in causing the pathogenesis and life cycle.

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