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

Subject: Microbiology
Paper – IV: Medical Virology and Parasitology

Time : 3 Hours

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 Amoebiosis, 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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