FACULTY OF SCIENCE
M. Sc. IV – Semester Examination, May / June 2015
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. Clinical symptoms of mumps
2. CPE
3. Water-born viruses
4. Ultra structure of Rabies virus
5. Differences between HSV₁ and HSV₂
6. Structure of Variola virus
7. Cysts of E-histolytica
8. Dermatomyositis

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

9. (a) Discuss the methods used for diagnosis of viral diseases in the laboratories.
   OR
   (b) Write the mode of transmission and pathogenesis of Rubella virus disease and its diagnosis.

10. (a) Explain the prevention and control methods used in polio disease management.
    OR
    (b) Discuss the life cycle of Rabies disease in detail and its vaccination.

11. (a) Discuss the etiology, diagnosis and preventive measures of smallpox.
    OR
    (b) What is AIDS? Explain the structure pathogenesis and prevention of HIV.

12. (a) Write the life cycle of E. histolytica and its control measures.
    OR
    (b) What is systemic mycosis? Explain the causal agents and their control.