

Code No. 4445

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/ Dermatomycosis

**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.
