

**FACULTY OF SCIENCE**  
**M. Sc. IV – Semester Examination, May / June 2016**

**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 CAM inoculations
- 2 Morphology of Influenza virus
- 3 Polio Vaccines
- 4 Structure of Rabies virus
- 5 Aids related complex
- 6 Structure of Small pox virus
- 7 Eggs of round worm
- 8 Plasmodium

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

- 9 (a) Describe the methods for identification of pathogenic viruses.  
**OR**  
(b) Write about the structure, cultivation, etiology and prevention of Rubella virus.
- 10 (a) Describe the etiology and epidemiology of HAV.  
**OR**  
(b) Give a detailed account on disease outbreak and control of Japanese encephalitis.
- 11 (a) Give an account on the structure, etiology, and control of HSV.  
**OR**  
(b) Describe the etiology lab diagnosis, and prevention of HBV.
- 12 (a) Describe the life cycle of *Entamoeba histolytica*.  
**OR**  
(b) Give detailed account on dermatomycosis and systemic mycosis.

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