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 Smallpox 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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