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MANIPAL ACADEMY OF HIGHER EDUCATION
THIRD SEMESTER M.Sc. (MEDICAL MICROBIOLOGY)
DEGREE EXAMINATION – JANUARY 2020

SUBJECT: VIROLOGY (MIC 701)

Monday, January 06, 2020

Time: 14:00 – 16:30 Hrs.

Maximum Marks: 50

✍ Answer ALL the questions.

1. Describe the pathogenesis and prophylaxis of poliomyelitis. (10 marks)

2. Describe the laboratory diagnosis and prophylaxis of human Rabies. (10 marks)

3. Write short notes on:

3A. Cultivation of viruses

3B. Yellow Fever

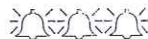
3C. Antigenic variations in Influenza Virus

3D. Serological markers of Hepatitis B

3E. Congenital Rubella Syndrome

3F. Viral gastroenteritis

(5 marks × 6 = 30 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION
THIRD SEMESTER M.Sc. (MEDICAL MICROBIOLOGY) DEGREE
EXAMINATION – JANUARY 2020
SUBJECT: PARASITOLOGY (MIC 703)

Tuesday, January 07, 2020

Time: 14:00 – 16:30 Hrs.

Maximum Marks: 50

- ✍ Answer ALL the questions. Write answers that are clear, relevant and legible.
✍ Illustrate your answers with neatly drawn and correctly labelled diagram wherever appropriate.

1. Describe the life cycle of hook worm. Add a note on pathogenesis of hook worm infection.
(5+5 = 10 marks)

2. Discuss pathogenesis and laboratory diagnosis of toxoplasmosis
(5+5 =10 marks)

3. Write short notes on the following:
 - 3A. Cryptosporidiasis
 - 3B. Rapid tests for malarial diagnosis
 - 3C. Laboratory diagnosis of lymphatic filariasis
 - 3D. Cysticercus cellulosae
 - 3E. Endemic hematuria
 - 3F. Laboratory diagnosis of hydatid disease(5 marks × 6 = 30 marks)

