



POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

MD (MEDICAL VIROLOGY) EXAMINATION – NOVEMBER 2021

Date :- 10th November 2021

Time:- 9.00 a.m. – 12.00 noon

PAPER I

Answer **all five (05)** questions.

Answer each question in a separate book.

1. An outbreak of viral encephalitis has been reported in a South-East Asian country among a group of hunters. A novel viral agent is suspected.
 - 1.1. Discuss how you would identify the viral agent. (80 marks)
 - 1.2. Outline how you would identify the origin of this agent. (20 marks)

2. Human blood products could be a potential source of infection.
Discuss the strategies employed during the manufacture of human blood products to minimize transmission of viral agents. (100 marks)

3.
 - 3.1. What is meant by the term “functional cure” of a patient with chronic hepatitis B virus infection? (20 marks)
 - 3.2. What therapeutic options are being developed to achieve this? (80 marks)

4.
 - 4.1. Describe the pathogenesis of bacterial infections in patients admitted to hospitals with COVID-19. (40 marks)
 - 4.2. Discuss the challenges in diagnosis and treatment of bacterial infections in these patients. (60 marks)

5. As a consultant virologist, you have been appointed to a committee to prepare guidelines for immunization of transplant recipients in Sri Lanka.
Describe the principles that would form the basis of your guidelines. (100 marks)