

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

MD (MEDICAL VIROLOGY) EXAMINATION – DECEMBER 2023

Date:- 21st December 2023

Time:- 9.00 a.m. – 12.00 noon

PAPER I

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

Answer each question in a separate book.

1. The World Health Organization (WHO) together with the Global Fund and the Joint United Nations Programme on HIV and AIDS (UNAIDS) has targeted ending the HIV/AIDS epidemic by 2030.

Discuss the strategies identified in Sri Lanka to achieve this target.

(100 marks)

2. A 30-year-old woman who is 22 weeks pregnant, visits the local obstetrics clinic, claiming that her 3-year-old son has been exposed to a child with fever and rash the day before in his pre-school. It was claimed that there were two other students with similar symptoms. The obstetrics team seeks your advice in managing this exposure.

Discuss how you would manage this situation as the consultant virologist.

(100 marks)

3. Genomic testing and analysis are becoming increasingly accessible as a tool to support the diagnosis and management of infections.

Discuss the various potential uses of genomics in routine and specialized testing in virology, including the challenges of service delivery. (100 marks)

4. Discuss the “One Health” approach and its importance in the prevention and control of infections. (100 marks)

5.

- 5.1. Briefly describe the role of the immune system in protection against pathogens. (40 marks)

- 5.2. Discuss acquired conditions that may disrupt this balance. (60 marks)