

**POSTGRADUATE INSTITUTE OF MEDICINE**  
**UNIVERSITY OF COLOMBO**

**MD (MEDICAL VIROLOGY) EXAMINATION --NOVEMBER 2017**

**Date :-** 2<sup>nd</sup> November 2017

**Time :-** 9.00 a.m. – 12.00 noon

**PAPER I**

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

Answer each question in a separate book.

1. “Dengue/dengue haemorrhagic fever is an escalating global health problem”.  
Discuss this statement including challenges and recent advances. (100marks)
2. The Ministry of Health has decided to request ISO 15189 accreditation for the virology laboratory in your hospital.
  - 2.1. List the advantages of accreditation of a diagnostic laboratory. (20 marks)
  - 2.2. Outline a plan to prepare the laboratory for accreditation. (80 marks)
3. “Increasing resistance to antiviral agents poses a challenge in patient management”.  
Discuss the mechanisms and monitoring of antiviral resistance with treatment strategies that may be adopted.  
Illustrate your answer with examples. (100 marks)
4. “Isolation of patients with infections is a primary strategy for successful infection control in a hospital. The health care institutions should adhere to standard guidelines on isolation practices”.  
Discuss this statement in the context of health care setting in Sri Lanka. (100 marks)
5.
  - 5.1. Outline the immune response against microbial pathogens. (40 marks)
  - 5.2. Describe the clinical consequences of primary immunodeficiency diseases, giving examples. (60 marks)