

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

MD (MEDICAL VIROLOGY) EXAMINATION
JANUARY 2011

Date: 7th January 2011

Time : 1.00 p.m.- 4.00 p.m.

PAPER I

Answer all five (05) questions.

Answer each question in a separate book.

1. During the last two to three decades a number of viral diseases of public health importance have emerged / re-emerged in South East Asia. Discuss the factors that led to the emergence / re-emergence of these diseases. Illustrate your answer with examples. (100 marks)

2. Discuss the pathogenesis of infections caused by the herpes group of viruses. (100 marks)

3. Describe the role of immune manipulation in infectious diseases. (100 marks)

4. Discuss the factors which should be considered when introducing a new vaccine to the Expanded Programme of Immunization (EPI) of Sri Lanka. (100 marks)

5. Two young adult patients following a road traffic accident were treated in a Surgical Intensive Care Unit (SICU) of a large Tertiary Care Hospital. Both were ventilated. They developed lung shadows on the fifth day and seventh day respectively following ventilation. Both patients had high neutrophil counts. Their tracheal aspirates grew *Acinetobacter baumannii*. Discuss the management of this situation. (100 marks)