

**UNIVERSITY COLLEGE LONDON**

University of London

**EXAMINATION FOR INTERNAL STUDENTS**

For The Following Qualification:–

*B.Sc.*

**Immunology B222: Medical Microbiology**

**COURSE CODE : IMMNB222**

**UNIT VALUE : 0.50**

**DATE : 27-APR-06**

**TIME : 10.00**

**TIME ALLOWED : 3 Hours**

**IMMNB222 MEDICAL MICROBIOLOGY**

Answer **FOUR** questions, **TWO** from each **SECTION**.

Answer each question in a separate answer book.

All questions carry equal weighting.

**TURN OVER**

## IMMNB222 MEDICAL MICROBIOLOGY

### SECTION A

1. Use Avian Influenza H5N1 to illustrate the World Health Organisation response to a Pandemic Threat.
2. Baltimore classification of viruses uses viral replication strategy as the principal determinant, apply this classification to the "Viral Hepatitis Family".
3. Molecular diagnostic methods facilitate measurement and characterisation of viruses. Describe these methods and their use for monitoring viral load and resistance in HIV infection.
4. How does an RNA virus take over and control the replication of a cell which it has infected?
5. "SARS" was a wake up call for humanity in relation to Bio-terrorism. Discuss.

### SECTION B

6. Compare the inflammatory response generated by infection with *Streptococcus pyogenes* with that generated by *Mycobacterium tuberculosis*.
7. Describe the role of the Health Protection Agency in protecting the public from disease and give specific examples.
8. Write an essay on the disease caused by fungi giving specific examples of diseases and causative agents.
9. Discuss the statement "Infectious Diseases are an increasing global threat to health" Illustrate your answer with specific examples to support or refute the statement.

END OF PAPER