

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 : 05-MAY-04

TIME : 10.00

TIME ALLOWED : 3 Hours

B222 MEDICAL MICROBIOLOGY

Answer **FOUR** questions, TWO from each SECTION.
Answer each question in a separate answer book.
All questions carry equal weighting.

SECTION A

1. Why do vaccines need to induce immunological memory?
2. Discuss emerging viral infections and their control.
3. Discuss the pathogenesis of persistent viral infections as illustrated by HIV and hepatitis.
4. Briefly describe the principle of the polymerase chain reaction and discuss the advantages and disadvantages of using PCR for the diagnosis of infection.

SECTION B

5. What are the principal ecological factors that influence the commensal microflora? Giving specific examples, describe how the commensal flora develops and is maintained.
6. Discuss the bacterial causes of urinary tract infections.
7. Describe how bacteria cause disease, giving an example of each major mechanism.
8. Malaria control relies on attacking vulnerable points in the life cycle of the parasite: discuss.
9. Describe the clinical uses of named inhibitors of bacterial protein synthesis.

END OF PAPER