UNIVERSITY COLLEGE LONDON

University of London

EXAMINATION FOR INTERNAL STUDENTS

For the following qualifications :-

B.Sc.

B.Sc. (Intercal)

Microbiology C327: Special Topics in Medical Microbiology

COURSE CODE

: MICRC327

UNIT VALUE

: 0.50

DATE

: 29-APR-02

TIME

: 10.00

TIME ALLOWED

: 3 hours

02-C1003-3-30

2002 University of London

TURN OVER

Answer FOUR questions. All questions carry equal weighting.

- 1. Describe the diseases caused by anaerobic bacteria.
- 2. Describe the most important features to be considered when designing a clinical trial. What statistical errors can occur if the design is not sufficiently robust?
- 3. Discuss the relative merits of tests available for the diagnosis of chlamydial infection from urogenital specimens.
- **4.** Describe scenarios leading to chronic inflammation of the gut, giving plausible causes and consequences? Diagrams are welcome.
- 5. Describe the molecules and cells involved in the recognition of antigen.
- **6.** Describe the immune and non-immune molecules and cells brought into play during acute inflammation.
- 7. Describe the main ways that bacteria cause disease and give an example for each one.
- **8.** You have been asked to investigate adherence of organism X to the surface of mucosa. Describe how you would approach the problem and give a description of the experimental procedures you would use.

END OF PAPER