

UNIVERSITY COLLEGE LONDON

University of London

EXAMINATION FOR INTERNAL STUDENTS

For The Following Qualifications:–

B.Sc. B.Sc. (Intercal)

Immunology C317: Pathology of Chronic Disease including Infection and Autoimmunity

COURSE CODE : IMMNC317

UNIT VALUE : 0.50

DATE : 16-MAY-05

TIME : 10.00

TIME ALLOWED : 3 Hours

**IMMNC317 PATHOLOGY OF CHRONIC DISEASES (INCLUDING
INFECTION AND AUTOIMMUNITY)**

You should take approximately **60 minutes** for each essay and approximately **20 minutes** for each short note.

Please answer each question in a separate book and write the question number clearly on each front page.

The fraction of the marks allocated to each section is as follows:

Section A: 120/180

Section B: 60/180

The in-course assessment constituted 15% of the final mark.

TURN OVER

**IMMNC317 PATHOLOGY OF CHRONIC DISEASES (INCLUDING
INFECTION AND AUTOIMMUNITY)**

SECTION A

Choose **TWO** essays from the list below:

1. Discuss the reasons why Systemic Lupus Erythematosus (SLE) is thought to be an autoimmune disease.
2. Discuss diseases caused by mutations that affect the solubility of extra-cellular proteins.
3. Virus specific CD8+ T cells can have a dual role in providing protection and initiating pathology. Discuss.
4. Discuss the importance of a balanced, rather than polarised, cytokine response, in the host response to infection. Illustrate your answer using a named pathogen, which causes a tissue granulomatous response.

SECTION B

Write short notes on **THREE** of the following:

1. Drug resistance by *M. tuberculosis*.
2. The role of TNF α in malaria.
3. Animal models of arthritis.
4. Defence mechanisms of ocular tissues.
5. The role of blood-brain barrier in pathogenesis of CNS disease.
6. Genetic factors in cardiovascular disease.

END OF PAPER