

UNIVERSITY COLLEGE LONDON

University of London

EXAMINATION FOR INTERNAL STUDENTS

For The Following Qualifications:-

B.Sc. B.Sc. (Intercal)

Immunology C318: Allergy, Immunodeficiency and Transplantation

COURSE CODE : IMMNC318

UNIT VALUE : 0.50

DATE : 18-MAY-05

TIME : 10.00

TIME ALLOWED : 3 Hours

IMMNC318 ALLERGY, IMMUNODEFICIENCY AND TRANSPLANTATION

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

IMMNC318 ALLERGY, IMMUNODEFICIENCY AND TRANSPLANTATION

SECTION A:

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

1. Discuss the potential role of regulatory T-cells in allergic reactions in the skin.
2. How might a better understanding of the genetic basis of allergy lead to improved therapeutic options?
3. The potential risks involved in gene therapy outweigh the benefits. Discuss.
4. 'It is not necessary to tissue type all the MHC loci in order to ensure a successful transplant'. Discuss this statement.

SECTION B:

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

1. The signalling of mast cell degranulation
2. Airway remodelling in asthma
3. Immunodeficiency associated with leukaemia
4. Selective IgA deficiency
5. Monoclonal antibody therapeutics in transplantation
6. Autologous transplantation

END OF PAPER