

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 : **19–MAY–04**

TIME : **10.00**

TIME ALLOWED : **3 Hours**

C318 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

SECTION A

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

1. Discuss the cause and consequences of both:
 - a. Wiskott-Aldrich syndrome
 - b. X-linked SCID
2. Describe the mechanism of action of anti-allergic drugs that target the mast cell.
3. Discuss the clinical applications of bone marrow transplantation.
4. Immunodeficiencies in cancer.

SECTION B

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

1. Genetics of allergy
2. IgE and IgE receptors
3. Mannose-binding lectin
4. Animal models of chronic granulomatous disease
5. The advantages and disadvantages of using the polymerase chain reaction for tissue typing.
6. The mechanism of action of cyclosporine.

END OF PAPER