UNIVERSITY COLLEGE LONDON

University of London

EXAMINATION FOR INTERNAL STUDENTS

For The Following Qualification:-

B.Sc.

Immunology B2: Cellular and Molecular Immunology

COURSE CODE	:	**IMMNB002**
UNIT VALUE	:	**0.50**
DATE	:	**15-MAY-03**
TIME	:	**14.30**
TIME ALLOWED	:	**2 Hours**

03-C0768-3-60

TURN OVER

Candidates must answer **Sections A, B and C**. Please answer each section in a separate book.

Complete your answers to Section C on the special answer paper provided.

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

Section A: 25% of total marks
(**short essay**, 1 out of 4)

Section B: 50% of total marks
(**short notes**, 6 out of 10)

Section C: 25% of total marks
(**MCQ**, answer all questions)

The 'in course' assessment constituted 20% of the final mark.

TURN OVER

SECTION A (approx 30 mins, 25% of exam marks)

Discuss **ONE** of the following statements:

1. The properties of T cells allow them to fulfill several functions in immune response.

2. Blood vessel endothelium plays a central role in inflammatory responses.

3. Complement is potentially as harmful to the host as it is to pathogens.

4. Autoimmunity always results in autoimmune disease.

SECTION B (approx 60 mins, 50% of exam marks)

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

1. The spleen.

2. Pattern recognition receptors.

3. Type II hypersensitivity reactions.

4. CTLA-4.

5. β2 microglobulin.

6. Regulatory T-cells.

7. Oxygen-dependent killing mechanisms of phagocytic cells.

8. Fcγ receptors.

9. γδ T-cells.

10. Complementarity determining regions (CDRs).

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