

**IMMNB003: Immunology
2005**

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

Complete your answers to **Section C on the MCQ answer sheet**.

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

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

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

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

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

TURN OVER

SECTION A

Discuss **ONE** of the following statements:

1. It is an essential feature of neutrophils that they have a short life-span.
2. Innate responses are non-specific and do not show immunological memory.
3. The fact that we can express up to 12 different MHC variants on our cells is not always advantageous.
4. Some cytokines are more important than others.

SECTION B

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

1. Basophils
2. The phagosome
3. The proteasome
4. CD25
5. Type 1 diabetes
6. The immunoglobulin lambda light chain.
7. Peyer's patches
8. Immunosuppressive monoclonal antibodies
9. Influenza vaccines
10. Defense against helminths

SECTION C: Multiple choice questions

Answer all 10 questions. Mark each entry T (True), F (False) or D (Don't Know) on the MCQ answer sheet provided. A mark is given for each correct answer and deducted for each incorrect one. No mark is given or deducted for a Don't Know (or a blank).

[Questions suppressed at request of department]

END OF PAPER