

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

Complete your answers to **Section C on the MCQ answer sheet and attach this securely to your answer books** [suppressed at request of department]

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. Non-responsiveness to self antigens occurs through clonal deletion.
2. MHC molecules are required for antigen presentation.
3. The Th1/Th2 paradigm is helpful in understanding the immunological basis of allergy.
4. B-cell responses require the formation of germinal centres.

SECTION B

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

1. Hyper-IgM syndrome.
2. The major features of IgM antibodies.
3. Immune responses to helminths.
4. Opsonisation.
5. Pattern recognition receptors.
6. Granulomas.
7. The CD80 and CD86 molecules.
8. Immunity to tumours.
9. Fas.
10. Passive immunisation.

[Section C suppressed at request of department]

END OF PAPER