

2002 HIGHER SCHOOL CERTIFICATE EXAMINATION

Biology

Section I (continued)

Part B – 60 marks

Attempt Questions 16–27

Allow about 1 hour and 45 minutes for this part

Answer the questions in the spaces provided.

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Marks

Question 16 (4 marks)

‘Modern methods of disease control place more emphasis on prevention than on treatment.’

4

Discuss this statement using at least ONE example in your answer.

Currently, vaccination is being used to prevent diseases before they occur. The new optional flu vaccine that is produced each year to combat new strains is an example of this. With the technology available, this method is being more widely used than treating the disease after a patient has been infected, partly because it is more successful in stopping the spread of disease because the vaccination allows an individual to build up immunity and therefore not exhibit symptoms of the disease.