

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.

The prevention of smallpox was one of the biggest victories in disease control. Instead of trying to treat people who had the disease, scientists focused on preventing the disease in the first place by introducing immunisation programs. The reason for this change in attitude from treating the disease to preventing it was that once people have ~~caught~~ contracted the disease and treatment begins, the infected person can pass the disease onto other people. If you prevent the disease in the first place, it cannot be passed on from that person. Preventing the disease also limits the need to treat the disease.