

2001 HIGHER SCHOOL CERTIFICATE EXAMINATION  
**Biology**

**Section I (continued)**

**Part B – 60 marks**

**Attempt Questions 16–28**

**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)**

**Genetically modified food on menu**

Australians are growing more accepting of genetically modified (GM) food, a federal agency survey has found.

This survey found that 44 per cent of Australians now believe GM food would become more widely accepted and less risky in the next few years.

An earlier survey revealed that people thought the risks outweighed the benefits, but that the situation would change.

- (a) State ONE opinion held by Australians about genetically modified food, according to this article. **1**

Australians believe GM foods would become less risky in the next few years.

- (b) Justify ONE piece of information you would need in order to determine the validity of the survey results. **3**

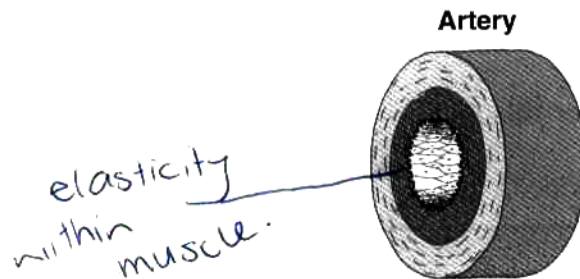
You would need a survey from previous years to compare the results to. You would also need to know what sort of genetically modified foods were in question to determine the validity of results.

**Marks**

**Question 17** (3 marks)

- (a) Label, on the diagram, ONE structural feature of the artery shown.

1



- (b) How does the labelled feature relate to the artery's function?

2

The artery takes the blood away from the heart, around the body. It needs to be strong to hold and circulate the blood to all of the functions.

**Question 18** (5 marks)

- (a) Name TWO products extracted from donated blood, and state their uses.

4

platelets: for blood clotting.  
white blood: for antibodies  
against diseases.  
Lymphosis.

- (b) Propose ONE reason why scientists have now begun to develop artificial blood.

1

because of the lack of donated blood and the need of rare blood.