

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.

**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 thought that the risks outweighed the benefits.*

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

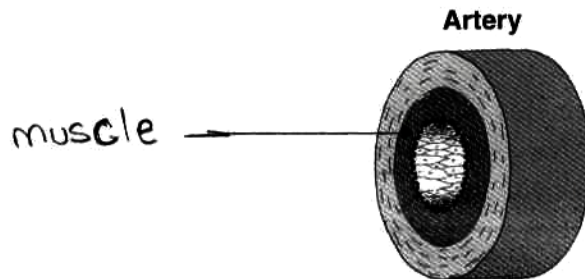
*I would need to know what the people did for a living, how many people were surveyed and what the questions asked were.*

**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

Muscle layer relates to artery's function because →

- Artery's pump the blood under high pressuer, muscle layer ~~is~~ helps the pumping
- Helps strenghten the cell wall.

**Question 18** (5 marks)

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

4

Plasma → or white blood cells, help in the fight against illness.

Red blood cells → carry O<sub>2</sub> around the body.

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

1

Developing artificial blood, would ensure that there are no infections or diseases that are being carried around in the blood.