

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 believe that the food is better for them & healthier.

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

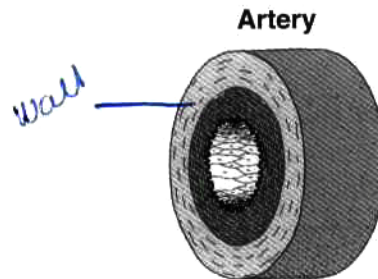
you will need to know how many people were surveyed & how many people were telling the truth & just not having some fun.

**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

It protects the artery  
.....  
.....  
.....  
.....  
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**Question 18** (5 marks)

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

4

plasma — is separated from donated blood + is also used in sick patients.  
Red Blood Cells — It is used when someone has a car accident + their blood type matches so they need this blood.

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

1

Scientists have begun to develop artificial blood, because there isn't enough type blood types for everyone.