# 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.

Australians held the opinion that the presence.

Australians held the opinion that the presence.

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

One piece of Information want be the number of people actually surveyed and also their ages a formation. This want indicate if a large Sample of people that represented the majority of Austranians was used in the survey representing the opinions of common A-stravious.

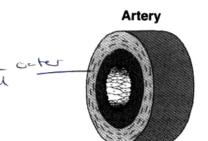
#### Marks

1

2

## Question 17 (3 marks)

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



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

The thick outer wall gives the attention adoled

Strength for when it moves highly preserved

Hoad away from the heart. Those twee

Onto walls are also way elastic and

So try stresh out the presert surges but

the tween wall stops the only from bristy

### Question 18 (5 marks)

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

Anti-haemaphillia to assist with the blood chilling mechans in suppose the frozen red blood cells—preserves rate blood

Hypes.

Albumin — Used to treat liver and kidney disease sufferers

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

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