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
	Eating genetically modulied Jodd is restly but	
	benezuls should altweigh rusps in Juture	
(b)	Justify ONE piece of information you would need in order to determine the validity of the survey results.	3
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	defermine validating armay if to people were surveyed	•
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	if 10,0000 people were surreyed says this talons!	
	is representing a proportion of the ounty on al tou	
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Marks

1

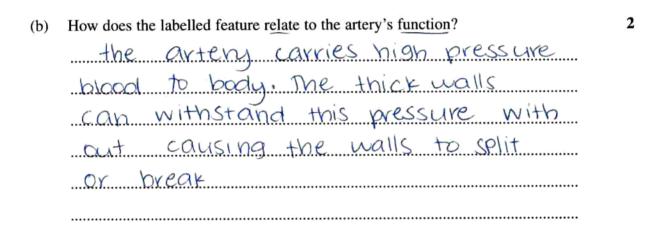
4

1

Question 17 (3 marks)

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

thick muscular walls



Artery

Question 18 (5 marks)

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

 Platelets this helps the blood to clot, and is given to people who have cliseases such as Lukemia.

 Red blood cells this is used for people who have lost a lot of blood, as it carries oxygen.
- (b) Propose ONE reason why scientists have now begun to develop artificial blood.

 We don't have enough donated blood in case their is

 a real need for it, such as if their is a war, or
 a International disaster.