2001 HIGHER SCHOOL CERTIFICATE EXAMINATION Biology

Section I (continued)

Part B - 60 marks Attempt Ouestions 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.

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

One option held by Australians about genetically modified food is that it will be come less risky in a few years time.

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

3

In order to determine the validity of the results, you would need to know how many people were interviewed as well as from what age group they were from, as people from different generations may have different belief due to religious upbringing, etc.

Marks

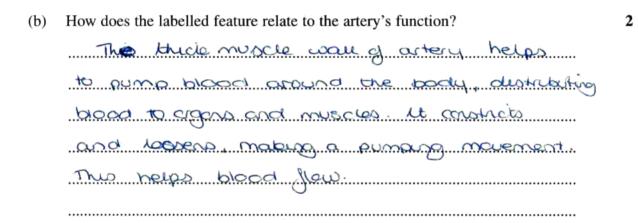
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Question 17 (3 marks)

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





Question 18 (5 marks)

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

 *Haemoglobin given to people with a low oxygen
 carrying capacity. Improves amount of oxygen that reaches
 working cells. * Plasma used in burns victims.
- (b) Propose ONE reason why scientists have now begun to develop artificial blood.

 Not many people donate. There is an increasing number of cliseases. Developed so these diseases wont have risk of being spread.