

SPECIMEN

GENERAL CERTIFICATE OF SECONDARY EDUCATION

GATEWAY SCIENCE

B733

BIOLOGY B

Unit B733: Biology controlled assessment: Analysis and evaluation

Controlled assessment Candidate answer booklet – Part 3: Analysis and evaluation

Candidates answer on this answer booklet.

OCR Supplied Materials:

None

Other Materials Required:

- Graph paper
- Calculator
- Written work from Part 1 and Part 2

Candidate Forename			Candidate Surname			
		_				
Centre Number			Candidate Nu	mber		

INSTRUCTIONS TO CANDIDATES

- Write your name clearly in capital letters, your Centre Number and Candidate Number in the boxes above.
- Use black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully and make sure that you know what you have to do before starting your answer.
- Answer all the questions.
- Attach to this booklet:

Your research (Part 1 of the Task)

Your plan for the investigation and your results (Part 2 of the Task)

INFORMATION FOR CANDIDATES

- Your quality of written communication is assessed in questions marked with a pencil ().
- You may use a scientific calculator.
- You are advised to show all steps in any calculations.
- The total number of marks for the task is 48.
- This document consists of 4 pages. Any blank pages are indicated.

Skill quality	Max	Mark
Researching	6	
Planning	6	
Collecting data	6	
Managing risk	6	
Processing data	6	
Analysing and	6	
interpreting		
Evaluating	6	
Justifying a conclusion	6	
TOTAL	48	

Useful enzymes

Enzymes such as pectinase can be used to speed up the breakdown of larger molecules into simple sugars. This makes the fruit softer and juicier. A fruit juice company uses a variety of different treatments and enzymes to increase the amount of juice produced.

into the effect of temperature on the activity of pectinase.
Describe any patterns or trends in your results. Comment on any unexpected results.
Compare the different treatments and enzymes used by fruit juice companies from your research (Part 1) with your own investigation (Part 2).
Comment on any similarities and differences. Suggest possible reasons for any differences.

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4	Evaluate your results, the method you used and how well you managed the risks.

Do your re							
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