



GCSE

Science A (4461)

Specification A

BLY1BP, BL1BSF & BL1BSH

Mark Scheme

2010 Examination – March Series

The blank answer sheet for this component can be found at the end of this document.

This component is an objective test for which the following list indicates the correct answers used in marking the candidates' responses.

Further copies of this Mark Scheme are available to download from the AQA Website: www.aqa.org.uk

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GCSE
SCIENCE A (4461)/BIOLOGY (4411)
Objective Test Answer Key
BLY1BP (Evolution and Environment)
March 2010
Foundation Tier

Question	Key			
One	A	Excellent eyesight	3	
	B	Sharp beak	4	
	C	Strong powerful claws	2	
	D	Powerful wings	1	
Two	A	biodiversity	2	
	B	pollution	4	
	C	global warming	3	
	D	deforestation	1	
Three	A	genes	2	
	B	gametes	1	
	C	characteristics	4	
	D	nucleus	3	
Four	A	spiral wrack	3	
	B	bladder wrack	2	
	C	serrated wrack	4	
	D	kelp	1	
Five	A	sexual reproduction	2	
	B	tissue culture	3	
	C	embryo transplants	1	
	D	adult cell cloning	4	
	A	B	C	D
Six	4	1	1	1
Seven	3	3	1	1
Eight	4	3	2	2
Nine	2	1	1	3

GCSE
SCIENCE A (4461)/BIOLOGY (4411)
 Objective Test Answer Key
BLY1BP (Evolution and Environment)
March 2010
 Higher Tier

Question	<i>Key</i>			
One	A	sexual reproduction	2	
	B	tissue culture	3	
	C	embryo transplants	1	
	D	adult cell cloning	4	
Two	A	The trees' leaves live for about 30 years.	4	
	B	The trees can grow new bark.	1	
	C	The trees have needle-shaped leaves.	3	
	D	The trees grow far apart.	2	
	A	B	C	D
Three	4	3	2	2
Four	2	1	1	3
Five	4	3	3	3
Six	1	4	3	3
Seven	2	3	4	3
Eight	2	4	2	3
Nine	4	2	1	3

Unit : BLY1BP BIOLOGY UNIT 1B

Centre :

Candidate Number :

UCI :

Series : 3G10

Candidate Name :

03-MAR-10

For completion by the Examination Invigilator. Please fill this circle if the candidate is absent: ○

HIGHER TIER

Instructions on how to complete this answer sheet are given on the question paper. Please make sure you follow them carefully.

Questions ONE to NINE Choose one response 1 - 4 for each of the parts A - D

QUESTION ONE		1	2	3	4
1A	sexual reproduction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1B	tissue culture	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1C	embryo transplants	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1D	adult cell cloning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION TWO		1	2	3	4
2A	The trees' leaves live for about 30 years.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2B	The trees can grow new bark.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2C	The trees have needle-shaped leaves.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2D	The trees grow far apart.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION THREE		1	2	3	4
3A		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3B		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3C		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3D		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION FOUR		1	2	3	4
4A		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4B		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4C		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4D		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION FIVE		1	2	3	4
5A		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5B		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5C		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5D		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION SIX		1	2	3	4
6A		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6B		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6C		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6D		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION SEVEN		1	2	3	4
7A		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7B		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7C		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7D		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION EIGHT		1	2	3	4
8A		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8B		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8C		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8D		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION NINE		1	2	3	4
9A		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9B		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9C		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9D		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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FOUNDATION TIER

▶ Instructions on how to complete this answer sheet are given on the question paper. Please make sure you follow them carefully. ◀

Questions **ONE** to **NINE** Choose one response **1 - 4** for each of the parts **A - D**

	1	2	3	4
QUESTION ONE				
1A Excellent eyesight	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1B Sharp beak	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1C Strong powerful claws	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1D Powerful wings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	1	2	3	4
QUESTION TWO				
2A biodiversity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2B pollution	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2C global warming	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2D deforestation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	1	2	3	4
QUESTION THREE				
3A genes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3B gametes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3C characteristics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3D nucleus	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	1	2	3	4
QUESTION FOUR				
4A spiral wrack	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4B bladder wrack	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4C serrated wrack	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4D kelp	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	1	2	3	4
QUESTION FIVE				
5A sexual reproduction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5B tissue culture	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5C embryo transplants	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5D adult cell cloning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	1	2	3	4
QUESTION SIX				
6A	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6B	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6C	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6D	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	1	2	3	4
QUESTION SEVEN				
7A	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7B	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7C	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7D	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	1	2	3	4
QUESTION EIGHT				
8A	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8B	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8C	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8D	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	1	2	3	4
QUESTION NINE				
9A	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9B	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9C	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9D	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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