

GCSE

Science A (4461) / Biology (4411)

Specification A

BLY1BP, BL1BSF & BL1BSH

Mark Scheme

2011 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 2011

Foundation Tier

Question		Ke	ey	
	A long beak		3	
One	B wide-spread	d toes	1	
One	C short wings		4	
	D brown feath	ers	2	
	A carbon diox	ido	2	
	B herbicide	lue		
Two	C sulfur dioxid		3	
		1e	1	
	D pesticide		4	
	A 160		4	
Thurse	B 1200		3	
Three	C 1400		2	
	D 2600		1	
	A the organis	m is now a better com	petitor 2	
	_	l gene is passed on to		
Four	C a gene mut	-	1	
	_	ies is produced	4	
	A embryo trar		2	
Five	B sexual repr		4	
	C taking cuttir		1	
	D tissue cultu	re	3	
	Α	В	С	D
Six	2	4	1	2
Seven	4	1	1	4
Eight	2	2	3	2
Nine	3	4	3	2

GCSE

SCIENCE A (4461) / BIOLOGY (4411)

Objective Test Answer Key

BLY1BP (Evolution and Environment)

March 2011

Higher Tier

Question		I	Key	
	A embryo trar	nsplants		2
000	B sexual repr	oduction		4
One	c taking cuttir	ngs		1
	D tissue cultu	re		3
	A catches fish	and carries them in	side its lower beak	4
Two	B sucks necta	ar from deep inside a	flower	1
TWO	C shovels up	the mud at the bottor	n of water to find food	2
	D rips animal	prey to pieces		3
	Α	В	С	D
Three	2	2	3	2
Four	3	4	3	2
Five	4	3	3	3
Six	3	1	3	2
Seven	3	4	2	2
Eight	4	2	1	2
Nine	1	1	3	3

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	Unit :	BL۱	(1BP	BI	OLO	GY	UNIT	1B										AU	5
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	For a	omp	letion by t	he Ex	aminat	tion I	nvigila	tor. Ple	ase f	ill th	is cir	cle if t	he ca	andi	date	is ab	sent:	0	
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	Instru	ctions	on how to co					given on oose one									w them	carefully.	
		_	<u> </u>	cuestio		10 11.			2		1 - 4 1		1	2 par			¢.		
		1A	embryo t	ransp	lants		QUE	STION	ION	IE			0	0	3	4			
		1B	sexual re										0	0	0	0			
		1C	taking cu	ittings									0	0	0	0			
		1D	tissue cu	lture									0	0	0	0).		
							Charles and the st	STION	2 8 8	-			1	2	3	4)		
		2A	catches	fish ar	nd carrie	es the	em insio	de its lov	wer b	eak			0	0	0	0			
		2B	sucks ne	ctar fr	om dee	ep ins	ide a fl	ower					0	0	0	0			
		2C	shovels	up the	mud a	t the	bottom	of wate	r to fi	nd fo	bod		0	0	0	0	•		
		2D	rips anim	al pre	y to pie	eces							0	0	0	0) •		
G	UESTIC	N T 2	HREE 34		Ĩ			STION 1 2		UR 3	4		ſ		QU	EST 1	10N 2	FIVE 3	4
3A	0	0	0 0			4 A	C	0 0	(D	0		8	5A		0	0	0	0
3B	0	0	0 0			4B	C	0/0	(C	0		3	5B		0	0	0	0
3C	0	0	0 0			4C	C	0 0	(C	0		1	5C		0	0	0	0
3D	0	0	0 0			4D	C		()	0)		5	5D		0	0	0	0

	QUES	TION	SIX	
	1	2	3	4
6A	0	0	0	0
6B	0	0	0	0
6C	0	0	0	0
6D	0	0	0	0

	1	2	3	4
4A	0	0	0	0
4B	0	0	0	0
4C	0	0	0	0
4D	0	0	0	0

	QUEST	ON	SEVE	EN
	1	2	3	4
7A	0	0	0	0
7B	0	0	0	0
7C	0	0	0	0
7D	0	0	0	0

	QUEST 1	10N 2	NINE 3	4
9A	0	0	0	0
9B	0	0	0	0
9C	0	0	0	0
9D	0	0	0	0

5A	0	0	0	0
5B	0	0	0	0
5C	0	0	0	0
5D	0	0	0	0

1	QUE	STI	ON	EIGHT	
		1	2	3	4
8A		0	0	0	0
8B		0	0	0	0
8C		0	0	0	0
8D		0	0	0	0



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

_		QUESTION ONE	1	2	3	4
1A	long beak		0	0	0	0
1B	wide-spread toes		0	0	0	0
1C	short wings		0	0	0	0
1D	brown feathers		0	0	0	0
		QUESTION TWO	1	2	3	4
2A	carbon dioxide		0	0	0	0
2B	herbicide		0	0	0	0
2C	sulfur dioxide		0	0	0	. 0
2D	pesticide		0	0	0	0
		QUESTION THREE	1	2	3	4
3A	160		0	0	0	0
3B	1200		0	0	0	0
BC	1400		0	0	0	0
3D	2600		0	0	0	0
		QUESTION FOUR	1	2	3	4
4A	the organism is now a b	etter competitor	0	0	0	0
4B	the mutated gene is pas	ssed on to offspring	0	0	0	0
1C	a gene mutates		0	0	0	0
1D	a new species is produc	ed	0	0	0	0
		QUESTION FIVE	1	2	3	4
δA	embryo transplants		0	0	0	0
БB	sexual reproduction		0	0	0	0
iC	taking cuttings		0	0	0	0
D	tissue culture		0	0	0	0

	QUES	TION	SIX	
	1	2	3	4
6A	0	0	0	0
6B	0	0	0	0
6C	0	0	0	0
6D	0	0	0	0

	QUEST	LON	SEVE	=N
	1	2	3	4
7A	0	0	0	0
7B	0	0	0	0
7C	0	0	0	0
7D	0	0	0	0
<u>. </u>			~	
	QUES	TION	NIN	E
	QUES 1		NIN 3	E 4
9A	QUES 1			
	1		3	
9A	1		3	

	QUESTION EIGHT			
	1	2	3	4
8A	0	0	0	0
8B	0	0	0	0
8C	0	0	0	0
8D	0	0	0	0

