

GCSE

Science A (4461) / Biology (4411)

Specification A

BLY1BP, BL1BSF & BL1BSH

Mark Scheme

2012 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 students' 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 2012

Foundation Tier

Question		K	еу		
	A Large eyes			2	
One	B Feet with st	ticky pads		3	
One A Large eyes B Feet with sticky pads C Thick fur D Large ears A where water becomes polluted by pesticide B where water contains very little oxygen C where there are no lichens growing on tree: D where the water is least polluted Three A 1.5 B 2.7 C 3.0 D 4.3 A characteristics B mutations C genes D survival A asexual reproduction B adult cell cloning C genetic engineering		1			
	D Large ears		4		
				_	
				2 3	
Two					
			-	river 4	
	where the v	1.5 2.7 3.0			
	Three B 2.7				
	B 2.7			3 4	
Three	C 3.0			2	
	D 4.3			1	
Four			3		
	9	Feet with sticky pads Feet with sticky pads Fhick fur Large ears Where water becomes polluted by pessivhere water contains very little oxyge where there are no lichens growing or where the water is least polluted .5 2.7 3.0 3.3 Characteristics nutations genes survival Issexual reproduction adult cell cloning genetic engineering gexual reproduction A B 4 2 4 2 4 2 3 2		2 4	
	D survival	nere there are no lichens growing on trees near the riversere the water is least polluted 5 7 0 3 aracteristics utations enes arvival exual reproduction full cell cloning enetic engineering exual reproduction exual reproduction by a company of the company of			
	Δ asevual ren	production		4	
				1	
Five		•		2	
		•		3	
	Α	В	С	D	
Six	4			1	
Seven	4	2	1	2	
Eight	3	2	1	3	
Nine	4	2	1	1	

GCSE

SCIENCE A (4461)/BIOLOGY (4411)

Objective Test Answer Key

BLY1BP (Evolution and Environment) March 2012

Higher Tier

Question			Key	
	A asexual	reproduction	4	
One	B adult ce	II cloning	1	
One	C genetic	engineering	2	
Two Three Four Five Six Seven Eight Nine	D sexual r	eproduction	3	
	A 300		4	
Two	B 550		3	
TWO	C 700		2	
	D 1600	al reproduction 4 ell cloning 1 c engineering 2 reproduction 3		
	Α	В	С	D
Three	3	2	1	3
Four	4	2	1	1
Five	2	1	1	3
Six	3	2	2	1
Seven	3	2	1	1
Eight	1	4	4	4
Nine	4	3	4	3



Unit: BLY1BP BIOLOGY UNIT 1B

Centre:

Candidate Number:

UCI:

Series: 3G12

Candidate Name:

01-MAR-12

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	1
1A	asexual reproduction		0	0	0	0	
1B	adult cell cloning		0	0	0	0	
1C	genetic engineering		0	0	0	0	
1D	sexual reproduction		0	0	0	0	
		QUESTION TWO	1	2	3	4	1
2A	300		0	0	0	0	8.0
2B	550		0	0	0	0	•
2C	700		0	0	0	0	•
2D	1600		0	0	0	0	

QL	JESTI 1	ON T	HRE 3	E 4
3A	0	0	0	0
3B	0	0	0	0
3C	0	0	0	0
3D	0	0	0	0

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

Q	UEST	ION F	OUF	1
	1	2	3	4
4A	0	0	0	0
4B	0	0	0	0
4C	0	0	0	0
4D	0	0	0	0

Ql	JESTI	ON S	EVE	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

(QUEST		_	
9A	0	2	3	0
9B	0	0	0	0
9C	0	0	0	0
9D	0	0	0	0

	QUEST	10N 2	FIVE 3	4
5A	0	0	0	0
5B	0	0	0	0
5C	0	0	0	0
5D	0	0	0	0

(QUESTI	ON E	EIGH	T
	1	2	3	4
8A	0	0	0	0
8B	0	0	0	0
8C	0	0	0	0
8D	0	0	0	0

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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

_	QUESTION ONE	1	2	3	4	
IA Larg	ge eyes	0	0	0	0	
IB Fee	t with sticky pads	0	0	0	0	
IC Thic	sk fur	0	0	0	0	
ID Larg	ge ears	0	0	0	0	
A whe	QUESTION TWO re water becomes polluted by pesticide	1	2	3	4	1
B whe	re water contains very little oxygen	0	0	0	0	
c whe	re there are no lichens growing on trees near river	0	0	0	0	
D whe	re the water is least polluted	0	0	0	0	
д 1.5	QUESTION THREE	1	2	3	4	1
BB 2.7		0	0	0	0	
C 3.0		0	0	0	0	1
D 4.3		0	0	0	0	
		0	0	0	0	
ı Char	QUESTION FOUR acteristics	1	2	3	4	1
B muta		0	0	0	0	
C gene		0	0	0	0	
D surv		0	0	0	0	
D Curv		0	0	0	0	
A asex	QUESTION FIVE cual reproduction	1	2	3	4	1
B adul	t cell cloning	0	0	0	0	
C gene	etic engineering	0	0	0	0	
D sexu	al reproduction	0	0	0	0	

	QUESTION 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	

QL	JESTI	ON SEVEN		
	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	UESTION EIGHT				
8A	0	0	0	0		
8B	0	0	0	0		
8C	0	0	0	0		
8D	0	0	0	0		

	QUESTION NINE					
	1	2	3	4		
9A	0	0	0	0		
9B	0	0	0	0		
9C	0	0	0	0		
9D	0	0	0	0		

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