



GCSE

**Science A (4461) /
Biology (4411)**

Specification A

BLY1AP, BL1ASF & BL1ASH

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
BLY1AP (Human Biology)
March 2012
 Foundation Tier

Question	Key			
One	A	brain		1
	B	kidney		4
	C	liver		3
	D	lung		2
Two	A	cannabis		3
	B	nicotine		1
	C	statin		2
	D	thalidomide		4
Three	A	21		3
	B	24		1
	C	36		4
	D	41		2
Four	A	Atkins diet		3
	B	Slim-Fast meals		4
	C	Rosemary Conley classes		1
	D	Control group		2
Five	A	vaccines		1
	B	mutations		4
	C	antibiotics		3
	D	antibodies		2
	A	B	C	D
Six	4	4	3	2
Seven	4	2	4	1
Eight	4	3	1	2
Nine	3	2	3	1

GCSE

SCIENCE A (4461)/BIOLOGY (4411)

Objective Test Answer Key

BLY1AP (Human Biology)

March 2012

Higher Tier

Question	Key			
One	A	vaccines		1
	B	mutations		4
	C	antibiotics		3
	D	antibodies		2
Two	A	5.3 g		4
	B	9.1 g		1
	C	9.6 g		2
	D	33.6 g		3
	A	B	C	D
Three	4	3	1	2
Four	3	2	3	1
Five	3	4	3	4
Six	4	2	2	1
Seven	3	3	2	1
Eight	3	4	2	4
Nine	2	2	4	3

Unit : BLY1AP BIOLOGY UNIT 1A

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
1A	vaccines	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1B	mutations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1C	antibiotics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1D	antibodies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION TWO		1	2	3	4
2A	5.3g	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2B	9.1g	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2C	9.6g	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2D	33.6g	<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

QUESTION ONE		1	2	3	4
1A	brain	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1B	kidney	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1C	liver	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1D	lung	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION TWO		1	2	3	4
2A	cannabis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2B	nicotine	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2C	statin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2D	thalidomide	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION THREE		1	2	3	4
3A	21	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3B	24	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3C	36	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3D	41	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION FOUR		1	2	3	4
4A	Atkins diet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4B	Slim-Fast meals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4C	Rosemary Conley classes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4D	Control group	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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