

GCSE

Science A (4461) / Physics (4451)

Specification A

PHY1AP, PH1ASF & PH1ASH

Mark Scheme

2010 Examination – November 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) / PHYSICS (4451)

Objective Test Answer Key

PHY1A (Energy and Electricity) November 2010

Foundation Tier

Question			Key		
	Α	conduction	2		
Ono	В	insulation	3		
One Two Four	С	radiation	1		
	D	reflection	4		
	Α	222	4		
	A	gas	4		
One Two Three Four Six	В	geothermal			
	С	moving wat			
	D	uranium	1		
	Α	chemical	1		
	В	electrical	3		
Three	С	heat	4		
	D	kinetic	2		
		1.6			
Four	A	coal-fired	4		
	В	hydroelectri			
	С	nuclear	2		
	D	tidal barrag	e 1		
	Α	electric drill	1		
	В	desk lamp	3		
Five	С	hair dryer	2		
	D	television	4		
		_		-	_
		Α	В	С	D
 		2	4	2	1
Seven		1	1	4	2
Eight		4	1	3	4
Nine		2	3	3	4

GCSE

SCIENCE A (4461) / PHYSICS (4451)

Objective Test Answer Key

PHY1A (Energy and Electricity) November 2010

Higher Tier

Question					Key		
	Α (electric dril	I	1			
Two Three Four Five Six Seven Eight	В	desk lamp		3			
	C I	hair dryer		2			
	D t	television		4			
	Α	electrical to	light	1			
Two	В	electrical to	sound	2			
	C I	light to elec	ctrical	4			
	D s	sound to el	lectrical	3			
						T	
	A	4		В		С	D
Three	4	1		1		3	4
Four	2	2		3		3	4
Five	4	1		2		4	4
Six	3	3		2		4	1
Seven	3	3		4		2	1
Eight	2	2		4		2	3
Nine	2	2		3		4	3



Unit: PHY1AP PHYSICS UNIT 1A

Centre:

Candidate Number:

UCI:

Series : BG10

Candidate Name:

11-NOV-10

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

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

	antilla accessor on the contract	QUESTION ONE	1	2	3	4
1A	Electric drill		0	0	0	0
1B	Desk lamp		0	0	0	0
1C	Hair dryer		0	0	0	0
1D	Television		0	0	0	0
		QUESTION TWO	1	2	3	4
2A	electrical to light		0	0	0	0
2B	electrical to sound		0	0	0	0
2C	light to electrical		0	0	0	0
2D	sound to electrical		0	0	0	0

C	UESTI 1	ON T	HRE 3	E (
3A	0.	0	0	0
3B	0	0	0	0
3C	0	0	0	0
3D	0	0	0	0 ,

	QUEST	ΓΙΟΝ	SIX	
	1	2	3	4
6A	0	. 0	0	0
6B	0	0	0	0
6C	O	0	0	0
6D	0	0	0	0

	QUESTION FOUR					
	1	2	3	4		
4A	0	0	0	0		
4B	0	0	0	0		
4C	0.	0	0	0		
4D	0	Ö	0	0		

/	QUES1	ΠΟΝ	SEVE	ΕN
	1	2	3	4
7A	0	0	0	0
7B	0	0	0	0
7C	0	0	0	0
7D	0	0	0	0

	QUES	TION	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

	QUEST	ION	FIVE	
	1	2	3	4
5A	0	_ O.	0	0
5B	0	, _e , O	0	0
5C	0	0	0	0
5D	0		0	0

	QUESTI	ON E	IGH	Т
	1	2	3	4
8A	0	- O.	0	0
8B	0	0	0	0
8C	0	0	0	0
8D	0	. · O	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
1A	conduction		0	0	0	0
1B	insulation	-	0	0	0	0
1C	radiation		0	0	0	0
1D	reflection		0	0	0	0
		QUESTION TWO	1	2	3	4
2A	gas		0	0	0	0
2B	geothermal		0	0	0	0
2C	moving water		0	0	0	0
2D	uranium	संदर्भकृत	0	0	0	0
3A	chemical	QUESTION THREE	1	2	3	4
3B	electrical		0	0	0	0
3C	heat		0	0	0	0
	kinetic		0	0	0	0
3D	Kinetio		0	0	0	0
4A	coal-fired	QUESTION FOUR	1	2	3	4
	hydroelectric	kan Asaka wa eshi ya mataka wa waka	0	0	0	0
4B			0	0	0	0
	nuclear		0	0	0	0
4D	tidal barrage	3	0	0	0	0
5A	Electric drill	QUESTION FIVE	1	2	3	4
11/2	Desk lamp		0	0	0	0
	Hair dryer		O All hard record a reight	0	0	0
			0	0	0	0
5D	Television		0	0	0	0

	QUES.		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)

QUESTION SEVEN				
	1	2	3	4
7A	0	Q.	0	0
7B	0	0	0	0
7C	0	0	0	0
7D	0	0	0	0

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

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

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