

Surname	Centre Number	Candidate Number
Other Names		2



GCE A LEVEL – NEW

A420U10-1



PHYSICS – A level component 1
Newtonian Physics

THURSDAY, 15 JUNE 2017 – MORNING

2 hours 15 minutes

	For Examiner's use only		
	Question	Maximum Mark	Mark Awarded
Section A	1.	8	
	2.	16	
	3.	12	
	4.	12	
	5.	12	
	6.	20	
Section B	7.	20	
	Total	100	

ADDITIONAL MATERIALS

In addition to this examination paper, you will require a calculator and a **Data Booklet**.

INSTRUCTIONS TO CANDIDATES

Use black ink or black ball-point pen.

Answer **all** questions.

Write your name, centre number and candidate number in the spaces at the top of this page.

Write your answers in the spaces provided in this booklet. If you run out of space, use the continuation page at the back of the booklet, taking care to number the question(s) correctly.

INFORMATION FOR CANDIDATES

This paper is in 2 sections, **A** and **B**.

Section A: 80 marks. Answer **all** questions. You are advised to spend about 1 hour 35 minutes on this section.

Section B: 20 marks. Comprehension. You are advised to spend about 40 minutes on this section.

The number of marks is given in brackets at the end of each question or part-question.

The assessment of the quality of extended response (QER) will take place in question 5(a).

Answer S Wjec Physics 1 June 2013

Gareth Kelly, Iestyn Morris, Nigel Wood

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WJEC GCSE Physics Jeremy Pollard, Adrian Schmit, 2016-08-30 Exam Board WJEC Level GCSE Subject Physics First Teaching September 2016 First Exam June 2018 Welsh edition Help students to apply and develop their knowledge and understanding of Physics with this textbook that builds mathematical skills provides practical assessment guidance and support for all the required practicals Prepare students to approach exams confidently with differentiated Test Yourself questions Discussion points exam style questions and useful chapter summaries Provide support for all required practicals along with extra tasks for broader learning Support the mathematical and Working scientifically requirements of the new specification with opportunities to develop these skills throughout Supports the separate science Physics and can be used for the WJEC GCSE Science Double Award qualification WJEC Physics AS Level Gareth Kelly, Nigel Wood (Physics teacher), Iestyn Morris, 2016 *CBAC UG Ffiseg Canllaw Astudio Ac Adolygu* Gareth Kelly, Iestyn Morris, Nigel Wood, 2018-02-22 Endorsed by WJEC and written by experienced teachers and examiners this Study and Revision Guide provides the essential underpinning knowledge you will need to recap and revise the studies theories and key terms in the course Supports the development of skills students need to correctly interpret and answer the new exam questions **WJEC GCSE Physics Workbook (Welsh Language Edition)** Jeremy Pollard, 2019-09-27

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