



ADVANCED GCE UNIT
PHYSICS B (ADVANCING PHYSICS)
 Rise and Fall of the Clockwork Universe

G494

Candidates answer on the Question Paper

OCR Supplied Materials:

- Data, Formulae and Relationships Booklet

Other Materials Required:

- Electronic calculator
- Ruler (cm/mm)

Thursday 28 January 2010
Afternoon

Duration: 1 hour 15 minutes

Candidate
ForenameCandidate
Surname


Centre Number

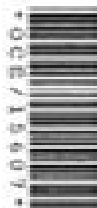
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INSTRUCTIONS TO CANDIDATES

- Write your name clearly in capital letters, your Centre Number and Candidate Number in the boxes above.
- Use black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully and make sure that you know what you have to do before starting your answer.
- Answer **all** the questions.
- Do **not** write in the bar codes.
- Write your answer to each question in the space provided, however additional paper may be used if necessary.
- Show clearly the working in all calculations, and give answers to only a justifiable number of significant figures.

INFORMATION FOR CANDIDATES

- The number of marks is given in brackets [] at the end of each question or part question.
- The total number of marks for this paper is **60**.
- You are advised to spend about 20 minutes on Section A and 55 minutes on Section B.
- The values of standard physical constants are given in the Data, Formulae and Relationships Booklet. Any additional data required are given in the appropriate question.
-  Where you see this icon you will be awarded marks for the quality of written communication in your answer.
 This means, for example, you should
 - ensure that text is legible and that spelling, punctuation and grammar are accurate so that meaning is clear;
 - organise information clearly and coherently, using specialist vocabulary when appropriate.
- This document consists of 16 pages. Any blank pages are indicated.



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John Miller



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