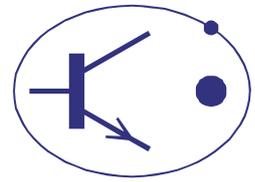


BRITISH PHYSICS OLYMPIAD

<http://www.BPhO.org.uk>



26 October 2012

2012 - 2013 British Physics Olympiad – Round 1

Dear Colleague,

Thank you for entering your students into the competition, *Section 1* and *Section 2* of *Round 1* are enclosed.

Please take note of the instructions printed below.

Sittings

Section 1 and *Section 2* may be sat in one session of 2 hour 40 minutes. Alternatively *Section 1* and *Section 2* may be sat in two sessions on separate occasions; with 1 hour 20 minutes allocated for each section. If the paper is taken in two sessions on separate occasions, *Section 1* must be collected in after the first session and *Section 2* handed out at the beginning of the second session.

The paper is scheduled for **Friday 16th November 2012**. If this is not convenient, the paper may be sat at any point during that week. If papers are taken early, please do not allow candidates to take the question papers away with them.

Question answers

Answers can be written on loose paper or examination booklets. Graph paper and a formula sheet should be made available. Calculators are allowed. Students should ensure their name and school is clearly written on their answer sheets.

Section 1

Questions: Any or all parts of *Section 1* can be attempted. However students are not expected to complete all parts of *Section 1* as only 40 marks are available.

Time: It is recommended that students spend 1 hour 20 minutes on this section.

Marks: There are 83 marks available; however only a maximum total mark of 40 will be awarded. Therefore students need to plan which questions they will attempt in the time recommended.

Section 2

Questions: Only TWO of the eight questions in *Section 2* should be attempted.

Time: It is recommended that students spend 1 hour 20 minutes on this section (approximately 60 minutes on each question including 15 minutes reading time).

Marks: The maximum mark for each of these questions is 20.

Please return the Mark Sheet and all of your students' answer papers to 'British Physics Olympiad Administrator, Clarendon Laboratory, University of Oxford, Parks Road, Oxford, OX1 3PU' for marking before **Monday 23rd November 2012**.

Please also encourage your students to visit our Facebook page to leave feedback and discuss questions with other students. A link to the page is on our website www.bpho.org.uk.

Kind regards,

Dr Sian Owen
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W: www.BPhO.org.uk