

Exemplar Question Paper for Advanced Higher Physics

The Exemplar Question Paper and Marking Instructions have been developed to be used by centres and learners to prepare for question papers (exams) as part of Advanced Higher Course assessment. They show how questions from past papers can be used or amended to support learners in their exam preparation.

The structure of the Exemplar Question Paper is aligned with the guidance in the Course Assessment Specification, which is available on the subject page (www.sqa.org.uk/browsecfesubjects).

The questions in the Exemplar Question Paper follow the style and structure of similar questions in the Specimen Question Paper (also available on the subject page). The paper overall is designed to provide the same level of demand as the Specimen Question Paper; and the Detailed Marking Instructions reflect the approach of those in the Specimen Question Paper.

The questions included in the Advanced Higher Exemplar Question Paper were, as far as possible, selected or amended from those used in past papers, in accordance with the Guidance on the use of past paper questions document. Care has been taken to align the information in the table below with the questions identified in the guidance document and used in the Exemplar Question Paper.

If no suitable questions were available in recent past papers for reasons of sampling or because there is now new content, new questions were developed or appropriate questions were selected/adapted from other years. Details of how questions have been amended for this Exemplar Question Paper are given in the table below.

When using any past paper questions, it is important to remember that centres and learners must take into account the generic guidance on selection and/or amendments to questions below.

- ◆ You must select questions that provide the learners with the same level of challenge as those in the Advanced Higher Specimen Question Paper.
- ◆ You may be able to use questions as published or with amendments as suggested in the columns below.
- ◆ You must use questions that adhere to the Advanced Higher General Marking Principles and reflect the form of Detailed Marking Instructions as published in the Advanced Higher Specimen Question Paper.

If any change to a question/items is necessary, you must ensure that:

- ◆ The style and structure matches the Advanced Higher Specimen Question Paper.
- ◆ Marking of the learner's response to the question adheres to the General Marking Principles in the Advanced Higher Specimen Question Paper.
- ◆ Marking Instructions are amended to reflect the style of the Advanced Higher Detailed Marking Instructions.

Additional Subject Specific Information for Advanced Higher Physics

The table below shows which questions in the Exemplar Question Paper were selected/amended from past papers (and in what way they were amended) — in accordance with the **Guidance on the use of past paper questions for Advanced Higher** document — and also lists any new questions.

The Advanced Higher Exemplar Question Paper can be found on the [subject page](#).

Question papers in Advanced Higher will have the following mark allocations:

The question paper will have 140 marks and will be scaled to 100.

The question paper will contain restricted, extended response and open-ended questions.

Marks will be distributed approximately proportionately across the Units.

Glossary of terms

| Term | Explanatory comment |
|---|---|
| Question used as published in past paper | Past paper question has been used as previously published. |
| Past paper question with context amended | Past paper question has been used, but the basis of the information has altered, eg in Geography, this may mean a change in context from glaciation to coasts. |
| Past paper question with source amended | Past paper question has been used, but the source of information is different, eg in English this may mean a different text has been used. |
| Past paper question with style amended | Past paper question has been used, but the style of questioning has changed, eg in Mathematics, multiple-choice questions may have been changed to a short response question. |
| Past paper question with structure amended | Past paper question has been used but the structure of the question has changed, eg in Physics it may mean only part of a question was used with amendments to Marking Instructions to take account of no half marks. |
| New question written | This is a new area of Course content. |

| Exemplar Question Paper question number | Question used as published in past paper, with or without amendment to Marking Instructions | Past paper question with context amended | Past paper question with source amended | Past paper question with style amended | Past paper question with structure amended | New question written |
|---|---|--|---|--|--|----------------------|
| 1 | Revised Advanced Higher, 2014, Q1 Q1 used as published. Marking Instructions amended. | | | Q1 Marking Instructions re-written to take into account no half marks. | | |
| 2 | Advanced Higher, 2010, Q2 | | | Q2 Command words changed. 'What effect would' removed and replaced by 'State the effect'. Marking Instructions re-written to take into account no half marks. | | |
| 3 | Revised Advanced Higher, 2014, Q2 Q3 used as published Marking Instructions amended. | | | Q3 Marking Instructions re-written to take into account no half marks. | | |
| 4 | Revised Advanced Higher, 2013, Q3 Q4 used as published. | | | | | |
| 5 | Revised Advanced Higher, 2014, Q3(a) Q5 used as published Marking Instructions amended. | | | Q5 Marking Instructions re-written to take into account no half marks. | | |
| 6 | Revised Advanced Higher, 2013, Q4 Q6 used as published. | | | | | |
| 7 | Revised Advanced Higher, 2014, Q4(a), (b) Q7 used as published | | | Q7 Marking Instructions re-written to take into account no half marks. | | |

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| | Marking Instructions amended. | | | | | |
| 8 | Revised Advanced Higher, 2014, Q6(a), (b), (c) | | | Q8 Command words changed. 'What did they conclude' removed and replaced by 'State what can be concluded'. Marking Instructions re-written to take into account no half marks. | | |
| 9 | Revised Advanced Higher, 2014, Q7(b) Q9 used as published Marking Instructions amended. | | | Q9 Marking Instructions re-written to take into account no half marks. | | |
| 10 | Revised Advanced Higher, 2013, Q7(a), (b) | | | Q10 Command words changed. 'Define the term' removed and replaced by 'State what is meant by'. Marking Instructions re-written to take into account no half marks. | | |
| 11 | Revised Advanced Higher, 2013, Q9 Q11 used as published Marking Instructions amended. | | | Marking Instructions re-written to take into account no half marks. | | |
| 12 | Revised Advanced Higher, 2014, Q9 Q12 used as published Marking Instructions amended. | | | Marking Instructions re-written to take into account no half marks. | | |
| 13 | Revised Advanced Higher, 2014, Q11 | | | Q13 Command words changed. 'What may be concluded' removed and replaced by 'State what may be concluded'. Marking Instructions re-written to take into account no half marks. | | |
| 14 | Revised Advanced Higher, 2014, Q14 Q14 used as published. | | | | | |

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| 15 | Advanced Higher, 2012, Q5 | | | Q15 Command words changed. 'Does the angle' removed and replaced by 'State whether the angle' 'Justify' removed and replaced by 'You must justify'. Marking Instructions re-written to take into account no half marks. | | |
| 16 | Revised Advanced Higher, 2013, Q13 Q16 used as published Marking Instructions amended. | | | Marking Instructions re-written to take into account no half marks. | | |
| 17 | Revised Advanced Higher, 2013, Q15 Q17 used as published Marking Instructions amended. | | | Marking Instructions re-written to take into account no half marks. | | |
| 18 | | | | | | Q18 new question |
| 19(a), (b) | Revised Advanced Higher, 2014, Q15(a), (b) | | | Q19 Command words changed. 'Which quantity' removed and replaced by 'State which quantity'. | | |
| 19(c) | | | | | | Q19(c) new question |