



Advanced Higher Chemistry question paper brief

Knowledge and understanding marks	Skills marks	Total marks
77+/-6	33+/-6	110

Knowledge and understanding and/or skills	Percentage of marks
◆ demonstrating knowledge and understanding of chemistry by making statements	approximately 10%
◆ demonstrating knowledge and understanding of chemistry by providing descriptions and explanations	approximately 14%
◆ applying knowledge and understanding of chemistry to new situations, interpreting information and solving problems	approximately 46%
◆ planning or designing experiments to test given hypotheses or to illustrate particular effects, including safety measures ◆ selecting information ◆ presenting information appropriately in a variety of forms ◆ processing information (using calculations and units, where appropriate) ◆ making predictions and generalisations based on evidence and/or information ◆ drawing valid conclusions and giving explanations supported by evidence and/or justification ◆ suggesting improvements to experimental procedures	approximately 30%

Additional information

Area coverage	Percentage of marks
Inorganic chemistry	approximately 16 %
Physical chemistry	approximately 22 %
Organic chemistry and instrumental analysis	approximately 36 %
Researching chemistry	approximately 22 %
Non-specific	approximately 4%

- ◆ Two open-ended questions, worth 3 marks each.
- ◆ Calculations account for approximately 25% of the marks.
- ◆ Grade-A marks account for approximately 30% of the marks.