

- Candidates answer on the question paper.
- OCR supplied materials:
- Data Sheet for Chemistry A (inserted)
- Other materials required:
- Scientific calculator

**Monday 22 May 2012**  
**Afternoon**

Duration: 1 hour



Candidate Surname						Candidate Surname					
Centre number						Candidate number					

**INSTRUCTIONS FOR CANDIDATES:**

- The sheet will be fixed in the centre of this document.
- Write your name, centre number and candidate number in the boxes above. Please write clearly and in capital letters.
- Use black ink. Pencil may be used for graphs and diagrams only.
- Show each question carefully. Make sure you know what you have to do before starting your answer.
- Write your answer to each question in the space provided. If additional space is required, you should use the lined pages at the end of this booklet. The question number(s) must be clearly shown.
- Answer all the questions.
- Do not write in the bar codes.

**INFORMATION FOR CANDIDATES:**

- The number of marks is given in brackets ( ) at the end of each question or part question.
- Where you see this icon you will be awarded marks for the quality of written communication in your answer.  
 (This means for answers 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.
- You may use a scientific calculator.
- A copy of the Data Sheet for Chemistry A is provided as an insert with the question paper.
- You are advised to show all the steps in any calculations.
- The total number of marks for this paper is 60.
- This document consists of 16 pages. Any blank pages are indicated.

# Ocr Chemistry F321 Past Papers

**Mike Smith**

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the 'Mike Smith' text bar.

## Ocr Chemistry F321 Past Papers:

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