

**ADVANCED SUBSIDIARY GCE  
MATHEMATICS (MEI)**

**4755**

Further Concepts for Advanced Mathematics (FP1)

**PRINTED ANSWER BOOK**

Candidates answer on this printed answer book.

**OCR supplied materials:**

- Question paper 4755 (inserted)
- MEI Examination Formulae and Tables (MF2)

**Other materials required:**

- Scientific or graphical calculator

**Friday 20 May 2011  
Afternoon**

**Duration:** 1 hour 30 minutes



Candidate forename		Candidate surname	
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Centre number						Candidate number				
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**INSTRUCTIONS TO CANDIDATES**

These instructions are the same on the printed answer book and the question paper.

- The question paper will be found in the centre of the printed answer book.
- Write your name, centre number and candidate number in the spaces provided on the printed answer book. Please write clearly and in capital letters.
- **Write your answer to each question in the space provided in the printed answer book.** Additional paper may be used if necessary but you must clearly show your candidate number, centre number and question number(s).
- Use black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Answer **all** the questions.
- Do **not** write in the bar codes.
- You are permitted to use a scientific or graphical calculator in this paper.
- Final answers should be given to a degree of accuracy appropriate to the context.

**INFORMATION FOR CANDIDATES**

This information is the same on the printed answer book and the question paper.

- The number of marks is given in brackets [ ] at the end of each question or part question on the question paper.
- You are advised that an answer may receive **no marks** unless you show sufficient detail of the working to indicate that a correct method is being used.
- The total number of marks for this paper is **72**.
- The printed answer book consists of **16** pages. The question paper consists of **4** pages. Any blank pages are indicated.

**Section A (36 marks)**

<b>1 (i)</b>	
<b>1 (ii)</b>	
<b>1 (iii)</b>	
<b>1 (iv)</b>	

<b>2 (i)</b>	
<b>2 (ii)</b>	
<b>2 (iii)</b>	



4	

5	



<p>6</p>	





Section B (36 marks)

<b>7 (i)</b>	
<b>7 (ii)</b>	
<b>7 (iii)</b>	

7 (iv)

7 (iv)	

<b>8 (i)</b>	
<b>8 (ii)</b>	

<b>8 (ii)</b>	<b>(continued)</b>

8 (iii)

8 (iii)	

<b>9 (i)</b>	
<b>9 (ii)</b>	

<b>9 (iii)</b>	
<b>9 (iv)</b>	



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