

Thursday 14 June 2012 – Morning

A2 GCE MATHEMATICS (MEI)

4757 Further Applications of Advanced Mathematics (FP3)

PRINTED ANSWER BOOK

Candidates answer on this Printed Answer Book.

OCR supplied materials:

- Question Paper 4757 (inserted)
- MEI Examination Formulae and Tables (MF2)

Other materials required:

- Scientific or graphical calculator

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. HB 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 any **three** 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 **20** pages. The Question Paper consists of **8** pages. Any blank pages are indicated.

1 (iii)	

1 (iv)	

2 (i)	
2 (ii)	

2 (iii)	

2 (iv)	

3 (iii)	

4 (i)	
4 (ii)	
4 (iii)	

4 (iv)

4 (v)

<i>R</i>	<i>e</i>	<i>a</i>	<i>b</i>	<i>c</i>
<i>e</i>				
<i>a</i>				
<i>b</i>				
<i>c</i>				

4 (vi)	
4 (vii)	

5 (i)	
5 (ii)	
5 (iii)	

5 (iv)	

5 (v)	

5 (vi)	

5 (vii)	
5 (viii)	<p>(answer space continued overleaf)</p>

5 (viii)	(continued)



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