

# Wednesday 14 June 2017 – Morning

## AS GCE MATHEMATICS (MEI)

**4771/01** Decision Mathematics 1

### PRINTED ANSWER BOOK

Candidates answer on this Printed Answer Book.

#### OCR supplied materials:

Other materials required:

Question Paper 4771/01 (inserted)

Scientific or graphical calculator

• MEI Examination Formulae and Tables (MF2)

Duration: 1 hour 30 minutes



Candidate	
forename	

Candidate surname

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.

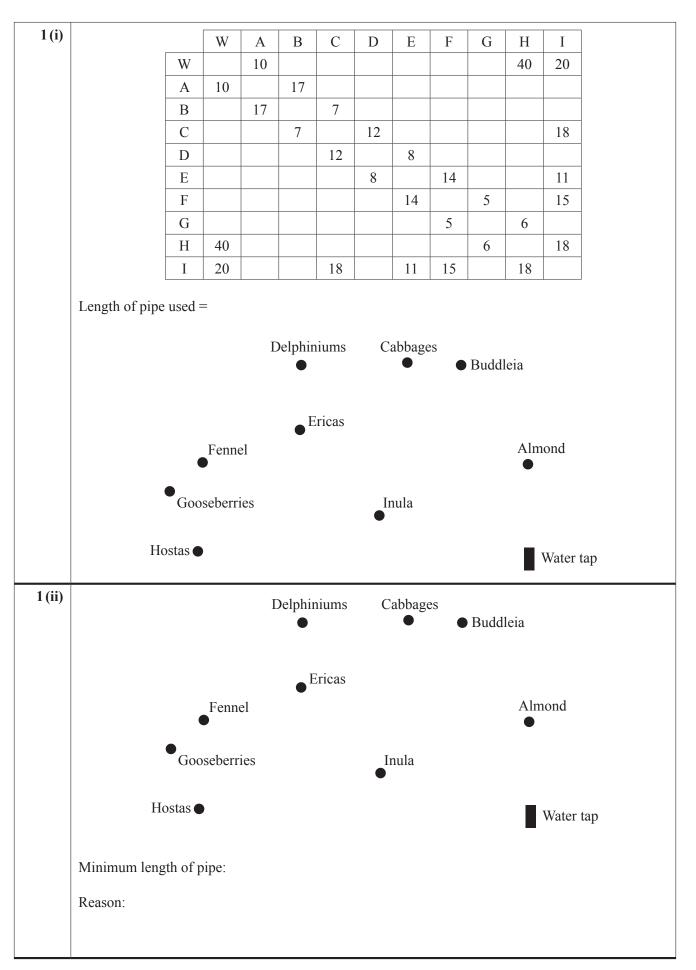
- The Question Paper will be found inside the Printed Answer Book.
- Write your name, centre number and candidate number in the spaces provided on the Printed Answer Book. Please write clearly and in capital letters.
- Write your answer to each question in the space provided in the Printed Answer **Book**. 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 **all** the questions.
- Do **not** write in the barcodes.
- 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**

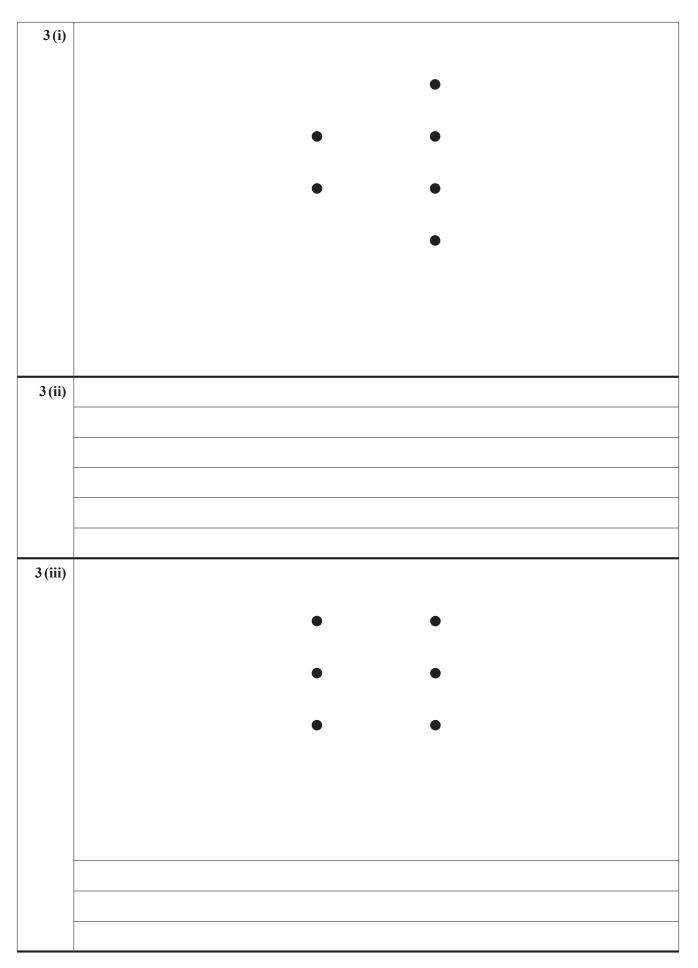
This information is the same on the Printed Answer Book and the Question Paper.

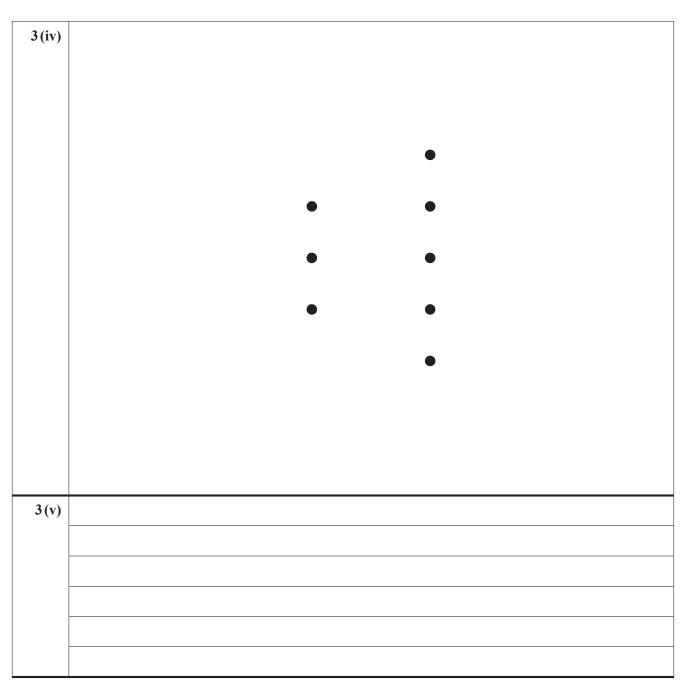
- The number of marks is given in brackets [] at the end of each question or part question on the Question Paper.
- You are advised that an answer may receive **no marks** unless you show sufficient detail of the working to indicate that a correct method is being used.
- The total number of marks for this paper is 72.
- The Printed Answer Book consists of **12** pages. The Question Paper consists of **8** pages. Any blank pages are indicated.





2 (i)	
2 (ii)	
2 (iii)	





4(i) 4(ii) A spare copy of this graph can be found on page 11. **4(iii)** (answer space continued on next page)

4 (iii)	continued
4 (iv)	
4 (v)	

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

5(v)	Two-digit random numbers:
	01 99 52 67 23 62 85

6(i) & (ii)			 	 	 			
(11)								
6(iii)								 
6 (1-1)								
6 (iv)								
·								

	$\square$
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	++1
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opportunity.