



Oxford Cambridge and RSA

**Wednesday 7 June 2017 – Morning**

**AS GCE MATHEMATICS**

**4732/01 Probability & Statistics 1**

**PRINTED ANSWER BOOK**

Candidates answer on this Printed Answer Book.

**OCR supplied materials:**

- Question Paper 4732/01 (inserted)
- List of Formulae (MF1)

**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 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.** If additional space is required, you should use the lined page(s) at the end of this Printed Answer Book. The question number(s) must be clearly shown.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Answer **all** the questions.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Do **not** write in the bar codes.
- You are permitted to use a scientific or graphical calculator in this paper.
- Give non-exact numerical answers correct to 3 significant figures unless a different degree of accuracy is specified in the question or is clearly appropriate.

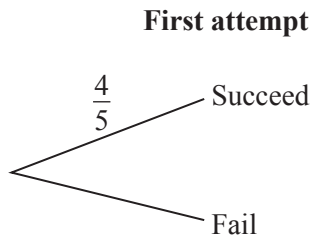
**INFORMATION FOR CANDIDATES**

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 reminded of the need for clear presentation in your answers.**
- 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.

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

2(i)



2(ii)

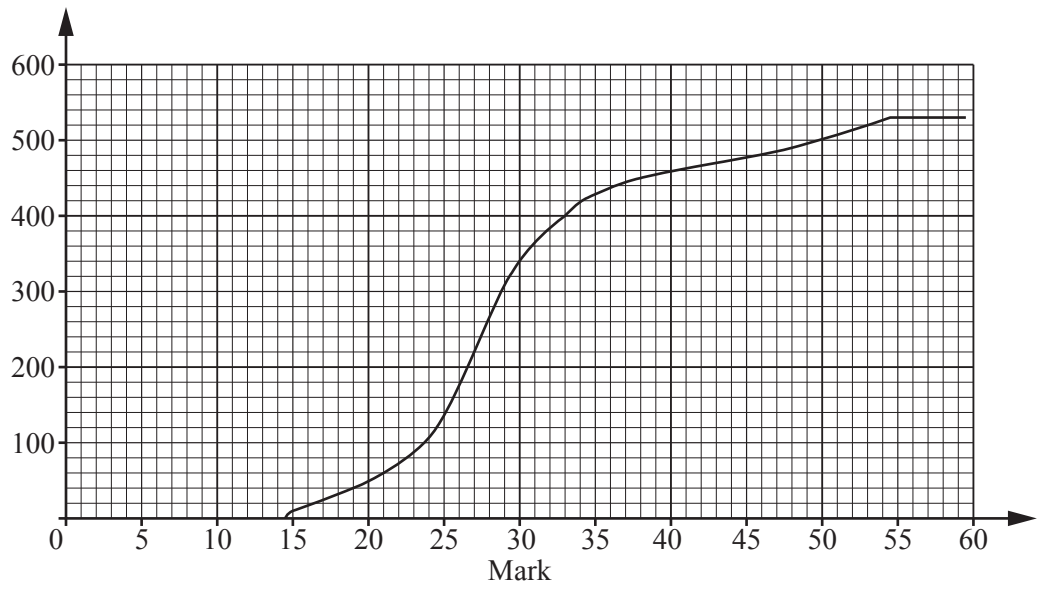

2(iii)


<b>3(i)(a)</b>	
<b>3(i)(b)</b>	
<b>3(ii)</b>	

<b>4(i)</b>	
<b>4(ii)</b>	
<b>4(iii)</b>	

5

Cumulative frequency



5(i)

5(ii)

5(iii)

5(iv)

<b>6(i)</b>																			
	<table border="1"><thead><tr><th>Contestant</th><th>Alan</th><th>Jo</th><th>Mike</th><th>Steve</th><th>Mary</th></tr></thead><tbody><tr><td>Judge 1 (rank)</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Judge 2 (rank)</td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>	Contestant	Alan	Jo	Mike	Steve	Mary	Judge 1 (rank)						Judge 2 (rank)					
	Contestant	Alan	Jo	Mike	Steve	Mary													
	Judge 1 (rank)																		
Judge 2 (rank)																			
<b>6(ii)</b>																			
<b>6(iii)</b>																			

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



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

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

**ADDITIONAL ANSWER SPACE**

If additional space is required, you should use the following lined page(s). The question number(s) must be clearly shown in the margin(s).

A large area of lined paper for writing, consisting of 25 horizontal dotted lines. A solid vertical line runs down the left side of the page, creating a margin. The rest of the page is blank, intended for handwritten answers.

A large rectangular area with a vertical solid line on the left side and horizontal dotted lines across the rest of the page, providing a grid for writing answers.



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