



Oxford Cambridge and RSA

Friday 15 June 2018 – Afternoon

A2 GCE MATHEMATICS (MEI)

4768/01 Statistics 3

PRINTED ANSWER BOOK

Barcode with numbers:
* 7 3 1 5 2 4 4 1 8 7 *

Candidates answer on this Printed Answer Book.

OCR supplied materials:

- Question Paper 4768/01 (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 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 **4** pages. Any blank pages are indicated.

2(i)																																					
2(ii)	<table border="1"><thead><tr><th>Number of errors</th><th>Observed frequency</th><th>Expected frequency</th><th>Contributions</th></tr></thead><tbody><tr><td>0</td><td>13</td><td>7.065</td><td>4.985</td></tr><tr><td>1</td><td>15</td><td>18.723</td><td>0.740</td></tr><tr><td>2</td><td>16</td><td></td><td></td></tr><tr><td>3</td><td>22</td><td>21.913</td><td>0.000</td></tr><tr><td>4</td><td>22</td><td>14.518</td><td>3.857</td></tr><tr><td>5</td><td>8</td><td>7.694</td><td>0.012</td></tr><tr><td>6</td><td>4</td><td>3.398</td><td></td></tr><tr><td>≥7</td><td>0</td><td></td><td></td></tr></tbody></table>	Number of errors	Observed frequency	Expected frequency	Contributions	0	13	7.065	4.985	1	15	18.723	0.740	2	16			3	22	21.913	0.000	4	22	14.518	3.857	5	8	7.694	0.012	6	4	3.398		≥7	0		
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2(ii) (continued)

3(i)	
3(ii)	

3(iii)

3(iv)(A)	
3(iv)(B)	

4(i)(A)	
4(i)(B)	

