



**Friday 6 June 2014 – Afternoon**

**AS GCE MEI STATISTICS**

**G242/01 Statistics 2 (Z2)**

**PRINTED ANSWER BOOK**

Candidates answer on this Printed Answer Book.

**OCR supplied materials:**

- Question Paper G242/01 (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 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 **12** pages. The Question Paper consists of **4** pages. Any blank pages are indicated.

**1 (i)****(answer space continued on next page)**

<b>1 (i)</b>	<b>(continued)</b>
<b>1 (ii)</b>	

<b>2 (i)</b>	

<b>2 (ii)</b>	
	(answer space continued on next page)

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

**PLEASE DO NOT WRITE IN THIS SPACE**

<b>3 (i)</b>	
<b>3 (ii)</b>	<p>(answer space continued on next page)</p>

<b>3 (ii)</b> (continued)	
<b>3 (iii)</b>	

**4 (i)**


**4 (ii)**




<b>4 (iii)</b>	

5 (i)

Expected frequencies		Brand loyalty	
		Returning customer	First time customer
Age (in years)	Under 35	23.187	13.813
	35 to 50	45.747	
	Over 50		14.933

Contributions to the test statistic		Brand loyalty	
		Returning customer	First time customer
Age (in years)	Under 35	0.142	0.238
	35 to 50	1.312	
	Over 50		2.357

(answer space continued on next page)



<b>5 (ii)</b>	



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