

**Friday 20 January 2012 – Afternoon**

**A2 GCE MATHEMATICS (MEI)**

**4768**      Statistics 3

**PRINTED ANSWER BOOK**

Candidates answer on this Printed Answer Book.

**OCR supplied materials:**

- Question Paper 4768 (inserted)
- MEI Examination Formulae and Tables (MF2)

**Other materials required:**

- Scientific or graphical calculator

**Duration:** 1 hour 30 minutes



|                       |  |                      |  |
|-----------------------|--|----------------------|--|
| Candidate<br>forename |  | Candidate<br>surname |  |
| Centre number         |  | Candidate number     |  |

**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.
- 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.
- 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.

© OCR 2012

**1 (b)(i) (continued)**

|                  |  |
|------------------|--|
| <b>1 (b)(ii)</b> |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |

**2 (i)****2 (ii)**

|                                              |               |
|----------------------------------------------|---------------|
| <b>2 (iii)</b>                               |               |
|                                              |               |
|                                              |               |
|                                              |               |
|                                              |               |
|                                              |               |
|                                              |               |
|                                              |               |
|                                              |               |
|                                              |               |
|                                              |               |
|                                              |               |
|                                              |               |
|                                              |               |
|                                              |               |
|                                              |               |
|                                              |               |
|                                              |               |
|                                              |               |
|                                              | <b>2 (iv)</b> |
|                                              |               |
|                                              |               |
|                                              |               |
|                                              |               |
|                                              |               |
|                                              |               |
|                                              |               |
|                                              |               |
|                                              |               |
|                                              |               |
|                                              |               |
| <b>(answer space continued on next page)</b> |               |

**2 (iv) (continued)**

**2 (v)**

© OCR 2012

|                  |  |
|------------------|--|
| <b>3 (b)(i)</b>  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
| <b>3 (b)(ii)</b> |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |

|               |  |
|---------------|--|
| <b>4 (i)</b>  |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
| <b>4 (ii)</b> |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |

|                |  |
|----------------|--|
| <b>4 (iii)</b> |  |
|                |  |
|                |  |
|                |  |
|                |  |
|                |  |
|                |  |
|                |  |
|                |  |
|                |  |
|                |  |
|                |  |
|                |  |
|                |  |
|                |  |
|                |  |
|                |  |
|                |  |
|                |  |
|                |  |
|                |  |
|                |  |
|                |  |
|                |  |
|                |  |
|                |  |
|                |  |
|                |  |
|                |  |
|                |  |

|               |  |
|---------------|--|
| <b>4 (iv)</b> |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
| <b>4 (v)</b>  |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |
|               |  |