

OXFORD CAMBRIDGE AND RSA EXAMINATIONS
General Certificate of Secondary Education

MATHEMATICS C
(Graduated Assessment)



1966/2331B

MODULE M1 – SECTION B

Wednesday **28 JUNE 2006** Morning 30 minutes

Candidates answer on the question paper.

Additional materials:

- Geometrical instruments
- Tracing paper (optional)
- Electronic calculator

Candidate
Name

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Centre
Number

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Candidate
Number

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TIME 30 minutes

INSTRUCTIONS TO CANDIDATES

- Write your name, Centre number and candidate number in the boxes above.
- Answer **all** the questions.
- Use blue or black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully and make sure you know what you have to do before starting your answer.
- In many questions marks will be given for a correct method even if the answer is incorrect.
- Do **not** write in the bar code.
- Do **not** write outside the box bordering each page.
- **WRITE YOUR ANSWER TO EACH QUESTION IN THE SPACE PROVIDED. ANSWERS WRITTEN ELSEWHERE WILL NOT BE MARKED.**

INFORMATION FOR CANDIDATES

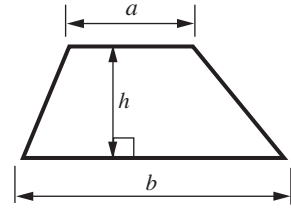
- You are expected to use a calculator in Section B of this paper.
- The number of marks is given in brackets [] at the end of each question or part question.
- The total number of marks for this Section is 25.
- Section B starts with question 8.

FOR EXAMINER'S USE	
Section B	

This question paper consists of 8 printed pages.

Formula Sheet

Area of trapezium = $\frac{1}{2} (a + b)h$

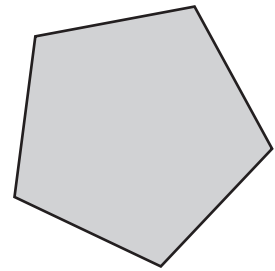
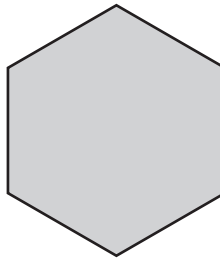
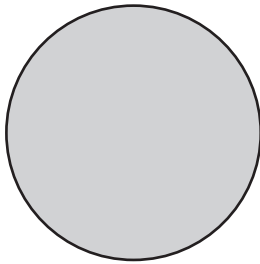
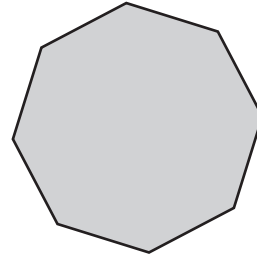
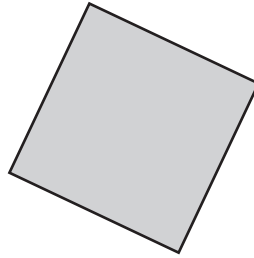
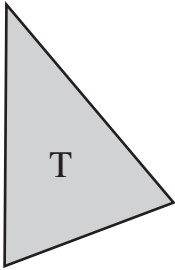


PLEASE DO NOT WRITE ON THIS PAGE

8 (a) Here is a list of shapes.

T – Triangle	H – Hexagon	C – Circle
P – Pentagon	O – Octagon	S – Square

Write the correct letter in each shape.
The first has already been done for you.



[2]

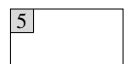
(b) Measure, in millimetres, the perimeter of this rectangle.



(b)mm [2]

(c) Draw a straight line 45 mm long.

[1]



[Turn over

- 9 (a) This is a picture of part of the moon.
Ten craters are named.



Use the picture to complete these sentences.

- (i) The crater is north of the crater Darney. [1]
- (ii) The crater is north east of the crater Darney. [1]
- (iii) The crater is south west of the crater Eppinger. [1]

- (b) Here is the outline of a circular crater.
 Estimate its area.
 Each small square has an area of 1 square kilometre.



(b)square kilometres [2]

- (c) This table shows the areas of some larger craters on the moon.

Name of crater	Area (square kilometres)
Metinl	5734
Neander	1962
Picculumini	5935
Steinneil	3523
Vlacq	6212
Watt	3420

- (i) What is the area of the smallest of these craters?

(c)(i)square kilometres [1]

- (ii) What is the area of the largest of these craters?

(ii)square kilometres [1]

- (d) A crater called Rosenberger has an area of seven thousand and eighty four square kilometres.

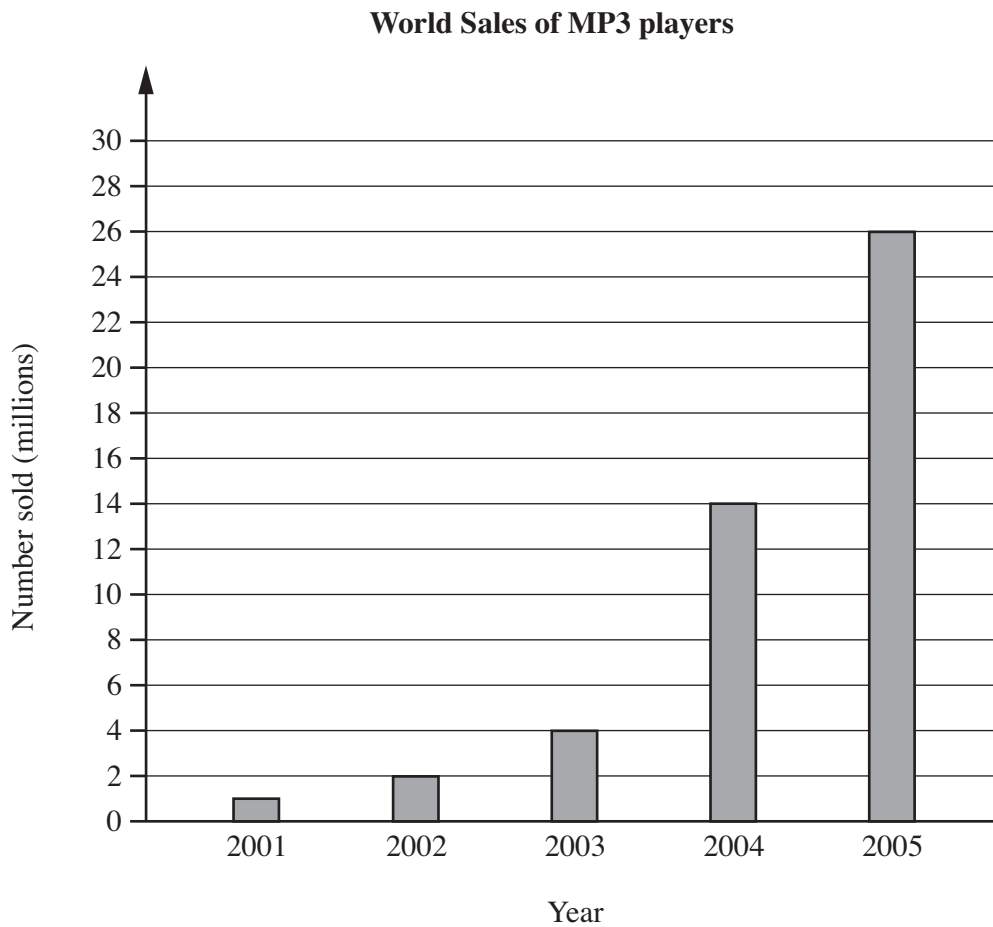
Write this number in figures.

(d)[1]

8	
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[Turn over

10 This chart shows the number, in millions, of MP3 players sold each year.



(a) How many MP3 players were sold in 2002?

(a)million [1]

(b) How many **more** MP3 players were sold in 2005 than in 2004?

(b)million [2]

(c) Complete this sentence.

The number sold in the year is about one quarter of the number sold in 2003. [1]

4	
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11 Maryann got these three vouchers for her birthday.

An illustration has been removed due to third party copyright restrictions
Details: An illustration of a £10, £20 and £50 gift voucher

Two photographs have been removed due to third party copyright restrictions
Details:
A photograph of an MP3 player costing £79.99 and a photograph of an ultra-slim battery costing £8.45

She buys this MP3 player and two batteries using all her vouchers and some of her savings.

How much of her savings does she use?

£[4]

4

[Turn over

- 12 (a) Maryann has just three tracks on her MP3 player.
 They are: Aaliyah (A)
 Babylon Sad (B)
 Caeffeine (C)

List all the orders in which she can play all these three tracks.
 The first one is done for you.

You may not need all the lines.

First track	Second track	Third track
A	B	C

[2]

- (b) Her MP3 player is playing the three tracks at random.



Look at these words.

Impossible Evens Certain
Unlikely Likely

Choose the best word to complete these sentences.

- (i) It is that Caeffeine is the first track played. [1]

- (ii) It is that Deablo is the first track played. [1]

4
