



General Certificate of Secondary Education
January 2012

Engineering

Paper 2

Assessment Unit 3

assessing

Engineering Technology

[GEE32]

TUESDAY 31 JANUARY, AFTERNOON

StudentBounty.com

Centre Number
71

Candidate Number



TIME

1 hour.

INSTRUCTIONS TO CANDIDATES

Write your Centre Number and Candidate Number in the spaces provided at the top of this page.

Write your answers in the spaces provided in this question paper.

Answer **all** parts of the **one** question in this paper.

The paper should be answered in relation to the Pre-Release Material.

You will be provided with a new copy of the Pre-Release Material.

You should **not** bring any of the material previously issued, or any notes made into this examination.

INFORMATION FOR CANDIDATES

The total mark for this paper is 40.

Figures in brackets printed down the right-hand side of pages indicate the marks awarded to each part question.

Quality of written communication will be assessed in **(h)** and **(i)**.

For Examiner's use only	
Question Number 1	Marks
(a)	
(b)	
(c)	
(d)	
(e)	
(f)	
(g)	
(h)	
(i)	
Total Marks	



7426

BLANK PAGE

(g) Systems and control technology is used extensively throughout the manufacture of ironing boards.

Describe giving **one** example how computer control is used during the production stage.

 [2]


Examiner Only	
Marks	Remark

(h) The plastic feet of the ironing board are manufactured by a process known as injection moulding.

In the box below using annotated sketches and the correct terminology explain this process.

Marks will be awarded for

- Detail contained in sketches [4]
- Quality of sketches [3]
- Detailed notes [3]



[10]

Examiner Only	
Marks	Remark

(i) In the box below using notes and sketches explain how the mechanism which allows the user to iron at different heights operates.

Marks will be awarded for

- Suitability of chosen method [4]
- Quality of sketches [3]
- Detailed notes [3]

[10]

THIS IS THE END OF THE QUESTION PAPER

Examiner Only	
Marks	Remark

Permission to reproduce all copyright material has been applied for.
In some cases, efforts to contact copyright holders may have been unsuccessful and CCEA
will be happy to rectify any omissions of acknowledgement in future if notified.

112586



Rewarding Learning

General Certificate of Secondary Education
January 2012

Engineering

PRE-RELEASE MATERIAL

Paper 2

Assessment Unit 3

assessing

Engineering Technology

[GEE32]

TUESDAY 31 JANUARY, AFTERNOON



You must use **this** clean copy of the pre-release material in the examination and **not** your own annotated copy.



7426.03

Engineering Technology Pre-Release Material

The image below shows an ironing board.



© Getty Images / Zedcor Wholly Owned / PhotoObjects.net / Thinkstock

Description

An ironing board such as the one shown above is generally a large, flat piece of metal that is covered with a heat safe padding on which clothing may be ironed safely. The standard board has two primary parts which include:

- a bed for ironing
- collapsible legs that are hinged or slip into the board for easy storage

The legs are generally tubular with padded feet so that they do not damage floors. No matter what the configuration, every ironing board made of metal must have a pad and cover so that the metal bed of the ironing board does not become too hot from the iron. Most ironing boards are sold with a foam pad and decorative cover.

Features include:

- Adjustable height
- Folds away
- 4 anti slip PVC feet
- 122 × 43 cm ironing surface
- Frame material – steel