

Centre Number			
71			
Candidate Number			

General Certificate of Secondary Education 2014

Manufacturing

Paper 2

Assessment Unit 3

assessing

Manufacturing Technology

[GMA32]

TUESDAY 24 JUNE, AFTERNOON



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 is assessed in (g) and (h).

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

Total	
Marks	

8842

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Answer **all** parts of the question.

(a)	(i)	Name an appropriate wood used to manufacture a kitchen isla	nd.
			. [1]
	(ii)	Name an appropriate glue which would be used by a manufacturer in the assembly of a kitchen island.	
	(iii)	Name an appropriate surface finish which would be applied to worktop surface of a kitchen island.	the
	(iv)	State two advantages of applying a surface finish to the top of kitchen island.	a
		1.	
		2	
(b)	(i)	Outline how modern technology when used in the manufacture a kitchen island enhances the overall quality of the final produc	
			[2]
	(ii)	Give one example of where modern technology is used in the manufacture of a kitchen island.	
			. [1]

8842 **2**

Examiner Only

(c)	c) To ensure the product is fit for purpose, a manufacturer applies quality control testing methods throughout the manufacture of a kitchen island before dispatch to the public.			er Only Remark
	(i)	Outline one example of how a manufacturer carries out quality control checks on a kitchen island.		
		[2]		
	(ii)	Outline one benefit of quality control checks made during the manufacturing stages of a kitchen island.		
		[2]		
(d)	islaı	ntrol technology is used throughout the manufacture of a kitchen and. Outline one way in which control technology has impacted on nufacturing efficiency.		
		[2]		
(e)		te and describe the use of computer control in the manufacturing ge of a kitchen island.		
	Cor	mputer Control		
		[1]		
	Des	scription		
		[3]		
(f)	has	ing the initial design stage of any product in the market place, CAD a part to play. Outline one example of how CAD helped shorten lead times of kitchen islands.		
		[2]		

8842 3 [Turn over

(g)	There are various wood jointing techniques used in the manufacture of a kitchen island.	Examiner Only Marks Remark
	In the box below using annotated sketches and correct terminology describe any two wood working joints used in its construction.	
	Marks will be awarded for Detail contained in sketches [4] Quality of sketches [3] Detailed notes [3]	
	[10]	

8842 **4**

The drawer in a kitchen island is able to move freely in a linear motion.	Examiner Only Marks Remark
In the box below using annotated sketches and correct terminology show how a typical drawer movement is achieved.	
Marks will be awarded for Detail contained in sketches [4] Quality of sketches [3] Detailed notes [3]	
[40]	
	In the box below using annotated sketches and correct terminology show how a typical drawer movement is achieved. Marks will be awarded for Detail contained in sketches [4] Quality of sketches [3]

8842 **5**

THIS IS THE END OF THE QUESTION PAPER

8842 GMA32.indd 6 06/02/2014 16:16:02

8842 GMA32.indd 7

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General Certificate of Secondary Education 2014

Manufacturing

Pre-Release Material
EXAMINATION COPY
Paper 2
Assessment Unit 3
assessing
Manufacturing Technology
[GMA32]



JANUARY 2014 AND SUMMER 2014

You must use **this** clean copy of the Pre-Release Material in the examination and **not** your own annotated copy.

Manufacturing Technology Pre-Release Material

Answer **all** parts of the question.

There is **one** guestion in this paper which relates to the pre-release materials.

You should draw on the knowledge gained from the pre-release task and also Unit 3: Manufacturing Technology.

The image below shows a Kitchen Island.



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Description

A kitchen island like the one shown is a valuable asset to any kitchen. It enables the user to have extra worktop space for the preparation and placement of food items. It can be easily moved around the kitchen and is very adaptable to any style and shape of kitchen. The storage underneath and the drawer facility are also useful when it comes to using those items which are used most frequently or need access easily.

Features include:

- Swivel castors.
- Available in different sizes.
- Frame material Hardwood/Softwood.
- Butchers' Block Styling.
- Lockable castor wheels.
- Delivered flat packed with easy assemble instructions.