



General Certificate of Secondary Education  
2016

Centre Number

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Candidate Number

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# Manufacturing

Paper 2  
Assessment Unit 3  
*assessing*  
Manufacturing Technology



GMA32

[GMA32]

MONDAY 27 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).

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

Total Marks	
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2. \_\_\_\_\_ [1]

The diagram shows a mechanical assembly. At the top is a horizontal rectangular block. Below it are two vertical rectangular blocks, one on the left and one on the right. In the center, between these two vertical blocks, is a rectangular block with two horizontal lines across its middle. At the bottom is a wide horizontal rectangular block. A label 'Base Piece' with a leader line points to the left vertical block. A label 'Recess' with a leader line points to the bottom horizontal block.

(i) Outline, giving **two** reasons, why the end frame of this workbench uses a base piece as shown in **Fig. 1**.

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 [1]

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[1]

2

2. \_\_\_\_\_ [1]

Examiner Only	
Marks	Remark





[illegible]

[10]

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**THIS IS THE END OF THE QUESTION PAPER**

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General Certificate of Secondary Education  
2016

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**Manufacturing**  
**Pre-Release Material**  
**EXAMINATION COPY**

Paper 2  
Assessment Unit 3  
*assessing*  
Manufacturing Technology



GMA32

**[GMA32]**

**MONDAY 27 JUNE, AFTERNOON**

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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

The image below shows a wooden workbench.



© Steve Gorton / Thinkstock

### Description

A robust wooden workbench designed for use by carpenters/joiners or woodworkers and DIY enthusiasts. The surface finish is a hard-wearing varnish that protects the hardwood surface from damage and wear and tear.

### Features include:

- Manufactured using a hardwood.
- Heavy duty vice.
- Sunken trough allowing the storage of tools and easy disposal of shavings and chippings.
- Peg holes to enable variable work positioning.
- A large shelf underneath the worktop.
- Large tool and accessory storage drawer.
- Worktop dimensions (LWH) 1400 mm × 500 mm × 86 mm.
- Overall dimensions including vice (LWH) 1520 mm × 620 mm × 855 mm.

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