1704/204 BUILDING SERVICES, JOINERY AND CONSTRUCTION MATERIALS II June/July 2017 Time: 3 hours



THE KENYA NATIONAL EXAMINATIONS COUNCIL

CRAFT CERTIFICATE IN BUILDING TECHNOLOGY

MODULE II

BUILDING SERVICES, JOINERY AND CONSTRUCTION MATERIALS II

3 hours

INSTRUCTIONS TO CANDIDATES

You should have the following for this examination: Answer booklet; Drawing instruments; Scientific calculator. This paper consists of EIGHT questions in THREE sections A, B and C. Answer FIVE questions choosing TWO questions from section A, TWO questions from section B and ONE question from section C. All questions carry equal marks. Maximum marks for each part of a question are indicated. Candidates should answer the questions in English.

This paper consists of 4 printed pages.

Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

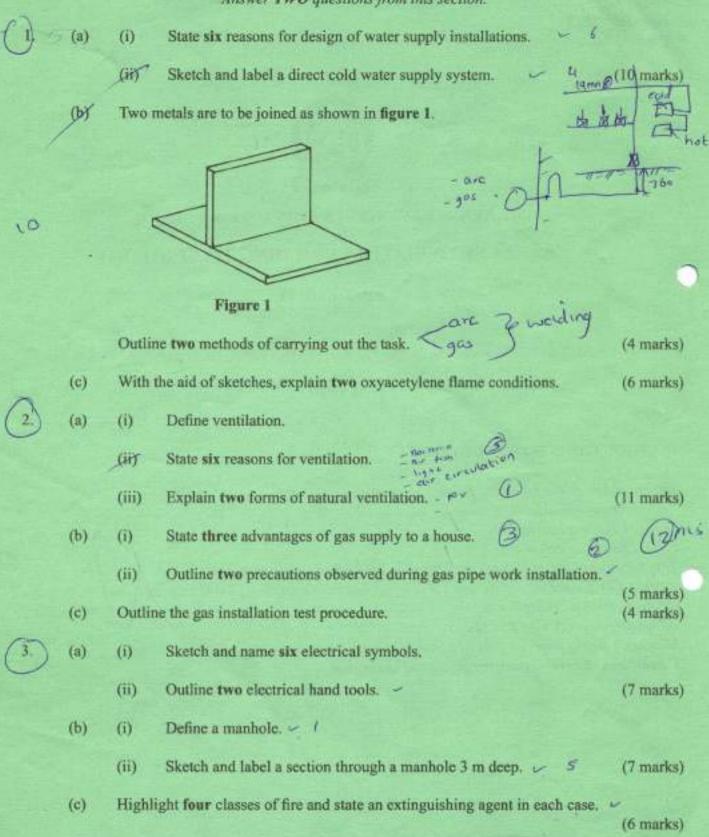
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SECTION A: BUILDING SERVICES Answer TWO questions from this section.



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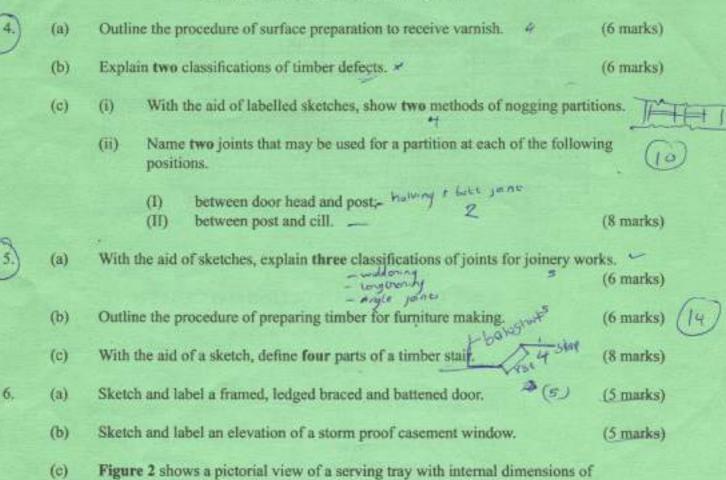
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SECTION B: JOINERY

Answer TWO questions from this section.



450 mm x 550 mm.

400

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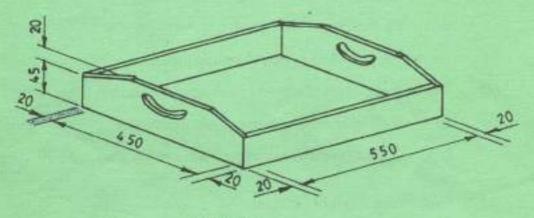


Figure 2

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Using the data given in table 1, determine the unit cost of the tray.

(10 marks)

Table 1

240

Size mm	Description	Unit	Cost
75 x 25	Cypress	M	45
50 x 25	Cypress	М	38
4800 x 2400	Plywood	Block	640
50 g	PVA glue	Piece	100
100 g	Clear varnish	Piece	140
2 No.	Glass paper No. 1	Piece	8
100 g	Emyll cloth	1 Kg	160

SECTION C: CONSTRUCTION MATERIALS II Answer ONE question from this section.

7.	(a)	(i)	State four properties of plastics.		
		(ii)	Outline each of the following methods of manufacturing plastics:		
			 (I) injection moulding; (II) extrusion moulding. 	(6 marks)	
	(b)	Expl	ain each of the following methods of manufacturing glass:		
		(i)	shaping;		
		(ii)	flat drawing.	(4 marke	
	(c)	Outli	(5 marks)		
2	(d)	Outli	ine two classes of adhesives and state one example in each case.	(5 marks)	
8.	(a)	(i)	Distinguish emulsion paint from water paint. 🤛		
/		(ii) Outline the procedure of painting a newly plastered wall using a brush. (1			
	(b)		Explain two forms of bitumen.		
	(c)	Expl	ain three methods of applying a sealant.	(6 marks)	
			THIS IS THE LAST PRINTED PAGE.		

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