	R	SPECIMEN				
GENERAL C	CERTIFICATE OF SECONDARY EDUCATION	B275/B				
MODULE	M5 – SECTION B					
SPECIME	Ν					
Candidates ar	nswer on the question paper.	Time: 30 minutes				
Additional Mat Ge Tra Ele Pie	erials: ometrical instruments acing paper (optional) ectronic calculator e chart scale (optional)					
Candidate Name						
Centre Number	Candidate					
 INSTRUCTIONS Write your name Answer all the Use blue or bl Read each quanswer. In many quest Do not write in Do not write in Do not write of WRITE YOUR ELSEWHERE INFORMATION F You are expected The number of The total num Section B star 	TO CANDIDATES me, centre number and candidate number in the bac questions. ack ink. Pencil may be used for graphs and diagra estion carefully and make sure you know what you tions marks will be given for a correct method even in the bar code. butside the box bordering each page. CANSWER TO EACH QUESTION IN THE SPACE WILL NOT BE MARKED. OR CANDIDATES cted to use a calculator in Section B of this paper. f marks is given in brackets [] at the end of each ber of marks for this section is 25. ts with Question 8.	oxes above. ams only. u have to do before starting your n if the answer is incorrect. E PROVIDED. ANSWERS WRITTEN question or part question.				
		For Examiner's Use				
		Section B				
	This document consists of 9 printed pages an	d 3 blank pages.				

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[Turn over



									3	6								
8	Bha	navana tests two varieties of strawberry plants, X and Y.																
	(a)	Here are the numbers of strawberries picked from each plant of variety Y.																
		12	12	14	15	16	17	17	18	19	21							
		Find	I the	mean	num	ber o	f stra	wber	ries.									
											(a)							[3]
	(b)	Bha	vana	prod	uces	this t	able.											
					Ν	lean		Ra	ange									
		Vari	ety X		1	4.2			14									
		Vari	ety Y						9									
		Whi	ch va	riety	of str	awbe	rry pl	ant w	/ould	you	econ	nmeno	1?					
		Ехр	lain y	our a	nswe	er.												
		Vori	otu			ha	00110											
		van	ety				caus	e 						 	 			
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		4		
9	Solv	e.		
	(a)	2x = 15		
			(a)	[1]
	(b)	15 = 6 + x		
	.,			
				[4]
			(b)	[1]
	(a)	4 7 40		
	(C)	4x - 7 = 13		
			(c)	[2]
			4	
10	(a)	A jar contains 240 sweets.		
		35% of the sweets are orange.		
		$\frac{3}{8}$ of the sweets are lemon.	E ab	
		o The rest are blackcurrant		
		How many blackcurrant sweets are in the jar?	ALE.	
		, , , , , , , , , , , , , , , , , , ,	·	
			(a)	[5]

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11 This vehicle assembly building is one of the largest buildings in the world. It is in the shape of a cuboid.





Calculate the volume of the vehicle assembly building. Give the units of your answer.

[3]

3

6





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OXFORD CAMBRIDGE AND RSA EXAMINATIONS

General Certificate of Secondary Education

MATHEMATICS C

MODULE M5 – SECTION B

Specimen Mark Scheme

The maximum mark for this paper is 25.

B275/B

8	(a)	16.1	W3	M1	Attempt to add, may be implied by 150 to 170 seen
				M1	<i>Their</i> total ÷ 10
	(b)	Y, more strawberries per plant	W1		f.t. <i>their</i> mean
			4		
0	(2)	75.00	\ \ /1		Accept embedded answers
9	(a)	7.5 0.6.	** 1		throughout
	(b)	9	W1		
	(c)	5	W2	M1	4x - 7 + 7 = 13 + 7 o.e.
			4		
10	(a)	66	W5	M1	0.35 x 240 (o.e.)
				A1	84 soi
				Μ1 Δ1	attempt at $3 \div 8$ (x 240) (o.e.)
				W1	240 – ' <i>their</i> 84 and 90'
					if 0 scored then SC1 for 72.5(%)
					o.e.
					or SC2 for 27.5(%) o.e.
	(b)(i)	1	W1		
		4 0.e.			
	(ii)	40	W2	M1	4 x 10 (o.e.)
					or 36 ÷ 4 (=9)
					<i>or</i> M1 for 2 of: raspberry 6, blackcurrant 10, orange 12 and lemon 8
			8		
11		5511040 or 55(11040)	2	M1	for 218 x 158 x 160
		m ³	1		
			3		
			•		·

12	(a) (b)	7, 9, 11 at least 3 points from table plotted correctly ruled straight line	W1 W1 W1 3		ft their values correct line only
13		1 each for correct length and correct angles within 2 mm and 2°	W3 3	SC2	for correctly sized diagram (use tracing) but unlabelled

Section B Total 25

Question	AO2	AO3	AO4	Total
8			4	4
9	4			4
10	5		3	8
11		3		3
12	3			3
13		3		3
Totals	12	6	7	25

Assessment Objectives Grid