CAMBRIDGE INTERNATIONAL EXAMINATIONS GCE Advanced Level



## 9336 FOOD STUDIES

9336/02

Paper 2 (Practical), maximum raw mark 100

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This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, which would have considered the acceptability of alternative answers.

Mark schemes should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

Cambridge will not enter into discussions about these mark schemes.

Cambridge is publishing the mark schemes for the October/November 2013 series for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level components and some Ordinary Level components.



	Page 2	2	Mark Scheme	Syllabus	Paper	r
	•		GCE A LEVEL – October/November 2013	9336	02	
1A	<b>Recipe</b>	Choi	ce			
			r dishes, each showing a different method of cooking		(4 × 1)	[4]
	(ii)	Suita	ability of dish selected to show that use		(4 × ½)	[2]
	(iii)	Vario	ety of skills without repetition		(4 × ½)	[2]
	(b) (i)	Dish	which includes at least one good source of calcium		(1)	[1]
	(ii)	Deg	ree of skill avoiding repetition with Section (a)(i)		(1)	[1]
					Maximun	า 10
	<u>Time Pl</u>	<u>an</u>			Maximu	n 8
	Written	Answ	/er			
	(i)	old a pres anim and	sons for toughness in meat animal – long – thick muscle fibres – well-used musc ence of collagen / connective tissue – nal not rested before slaughter – glycogen in muscles less lactic acid is produced during hanging – rrect method of cooking – dry method for tough meat		(6 points)	
		beat acid enzy	<b>derising before cooking</b> ting / pounding – cutting across muscle fibres / mincin marinade – lemon juice / vinegar / wine – ymes which break down proteins – ain from papaya – bromelin from pineapple – ficin fro		– (6 points)	
	(ii)	prote extra thiar fat m mus	nges when meat is cooked by a moist method ein coagulates / meat shrinks – juices squeezed out - actives, water soluble vitamins etc. go into water – mine destroyed by heat / some loss of riboflavin and nia nelts – collagen – insoluble – converted to gelatine cle fibres loosen – meat tenderizes – ur change from red – myoglobin – to brown – hem	acin – – soluble – ichrome –		[10]
	(iii)	Prac	ctical reasons for choice			[4]
	(iv)	Nutr	itional value of dish chosen in <b>(b)</b> .			[4]
					Maximun	า 18
С	Ma var	east f rks to iety o	Serving four dishes, each showing a different method of cooking be allocated for each dish according to degree of skill f foods. ch includes at least one good source of calcium – skil	and (F	Range 5–7)	[26]
			maximum if skill is lacking)		Maximun	
					maximuli	

Page 3		3	Mark Scheme	Syllabus	Paper	
			GCE A LEVEL – October/November 2013	9336	02	
2A	<u>Recipe</u> (a) (i)		<u>e</u> dishes, each showing a different use of sugar.		(4 × 1)	[4]
	(ii)	Suita	ability of dish selected to show that use		(4 × ½)	[2]
	(iii)	Varie	ety of skills included without repetition		(4 × ½)	[2]
	(b) (i)	Dish	which includes at least one good source of calcium		(1)	[1]
	(ii)	Degi	ree of skill involved avoiding repetition with Section (a)	)	(1)	[1]
					Maximum	1 <b>0</b>
	<u>Time Pl</u>	<u>an</u>			Maximu	m 8
	<u>Written</u> (i)	Way avoid choc redu fewe avoid	<u>er</u> <b>s to reduce sugar consumption</b> d adding sugar to beverages – use artificial sweetene be diet / low calorie carbonated drinks – ce amount of sugar in recipes – avoid canned fruit in er cakes and biscuits – reduce consumption of sweets d sugar-coated cereals – read nutritional labels and co be fresh fruit juice instead of cordial etc.	syrup – s / chocolate – choose wisely	s – (6 points)	
	(ii)	Diab high a ho lead can exce arou may <u>Corc</u> hype fatty starv <u>Toot</u> acids plaq bact	level of glucose in blood – body does not produce er rmone which stimulates the body to make use of gluco s to high level of glucose in blood – and its excretion damage kidneys / eyes / feet / nervous system / heart	ose / for energy in urine – n – adipose tis – lties – gars on teeth – form holes	sue /	[10]
	(iii)	Prac	tical reasons for choice			[4]
	(iv)	Nutr	itional value of dish chosen in <b>(b)</b>			[4]
					Maximum	1 <b>8</b>

	Pa	ge 4	Mark Scheme	Syllabu	s	Pape	r
			GCE A LEVEL – October/November 2013	9336		02	
С			our dishes, each showing a different use of sugar. be allocated for each dish according to the degree of	of skill and	(Ranç	ge 5–7)	[26]
	(b)		ch includes a good source of calcium – skilful maximum if skill is lacking)				[8]
					Ν	laximun	n 34

	Page 5	5	Mark Scheme	Syllabus	Paper	r
			GCE A LEVEL – October/November 2013	9336	02	
3 <b>A</b>	<u>Recipe</u> (a) (i)		<u>e</u> dishes, each showing a method of creating / introduci	ng colour	(4 × 1)	[4]
	(ii)	Suita	ability of dish selected to show method chosen		(4 × ½)	[2]
	(iii)	Varie	ety of skills included without repetition		(4 × ½)	[2]
	(b) (i)	Dish	which includes at least one good source of calcium		(1)	[1]
	(ii)	Degi	ree of skill involved avoiding repetition with Section (a)		(1)	1
					Maximun	n 10
	<u>Time Pl</u>	<u>an</u>			Maximu	m 8
		vege spice nuts brow butte coch Adva ADV chea – rep make DISA may some	n fruit (or one named example) – dried fruit (or one name etables (or one named example) – herbs (or one name es (or one named example) – coffee – cocoa / choco (or one named example) – seeds (or one named example) (or one named example) – seeds (or one named exam	ed example) – olate – ample) – rown rice – rown rice –		
	(ii)	<b>Iden</b> dexti cara Maill dena	tify and explain three ways in which heat changes rinisation – dry heat on starch – browns surface of for toast, surface of cakes, bread crust melisation – heat on sugar – with or without water – sweet, brown substance – will char if overheated – t lard reaction – non-enzymic browning – occurs durin chemical reaction between amino group (protein) and reducing sugar / glucose – brown compounds for on roast meat, roast potatoes, cakes, biscuits aturation – of protein – when heated above 60°C – on outside – fried egg / toasted cheese / skin on milk meat changes colour from red myoglobin – to brown 4 points for each method to include name	food colour bod – pyrodex offee, cakes, bing dry heat – rmed – browns – pudding – hemichrome –	trins	[10]
	(iii)	Prac	tical reasons for choice			[4]
	(iv)	Nutri	itional value of dish chosen in <b>(b)</b> .			[4]
					Maximun	n 18

Page 6	Mark Scheme	Syllabus	Paper			
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 Results and Serving (a) At least four dishes, each showing a different method of creating / introducing colour						
variety o	be allocated for each dish according to degree of skil f foods.		nge 5–7) [26]			

(b) Dish which includes at least one good source of calcium – skilful [8] (Reduce maximum if skill is lacking)

## Maximum 34