UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the October/November 2008 question paper

0600 AGRICULTURE

0600/02

Paper 2 (Core Theory), maximum raw mark 80

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.

All Examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

Mark schemes must be read in conjunction with the question papers and the report on the examination.

• CIE will not enter into discussions or correspondence in connection with these mark schemes.

CIE is publishing the mark schemes for the October/November 2008 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

Page 2				Mark Scheme Sylla IGCSE – October/November 2008 06					Paper	
				IC	SCSE – Octob	er/November	2008	0600	02	
1	(a)	(i)	eggs	/ milk;					[1]	
		(ii)	dung	/ animal	manure / ferti	liser / power / w	vool / fibre	/ feathers;	[1]	
	(b)	buffa equi	alo m nes s	ost eater similar ev	erywhere;					
		cam	elias	only pop	ular in Africa;				[max 3]	
	(c)	(i)	fish /	rabbit / p	ooultry;		Α	pig with valid reason	[1]	
				growth r	rate; e, quick turn ai	ound:	Δ	lack of fat	[2]	
			311011	ino oyon	, quion turri ai	ouria,	Λ.	idok of fat		
									[Total: 8]	
2	(a)	.,		e thaw;			А	physical for 1 mark		
			rain / chem	rivers; nical;					[4]	
				penetrat / organio	te; c matter forms	humus;	А	ion exchange	[2]	
	(b)	(i)	wate	r; air;					[2]	
				humus /e living thi	organic matte ings;	er;	А	air	[1]	
	(c)				rium sulphate compare colo	/ universal indicur with chart;	cator (BDI	H) /	[max 3]	
									[Total: 13]	
3	(a)			sun; m soil;	a gas called o	carbon dioxide oxygen			[4]	
	(b)	(i)	less	photosyn	thesis due to l	ess light;	R	no photosynthsis		
		(ii)	less t	transpira	tion due to les	s heat;			[2]	
			to ga	in a marl	k in both (i) an	d (ii) an explan	ation mus	t be given		
	1-1			.4 4. 6		. (4)				
	(C)				or named crop ol named; deta				[3]	
									[Total: 9]	
									-	

	Pa	ge 3		1000	Mark So		- 0000	Syllabus	Paper	
				IGCS	SE – October	/Novembe	r 2008	0600	02	
4	(a)	 (i) shape of leaves / size of flowers / shape of tubers / plant decumber tubers grow from runner rather than terminal / R size reference roots on tuber (and) runner in sweet potato; 							r than erect [maː	
		(ii)			her than fusion g / no variation		A re	eference to only one	parent	[2]
		(iii)		of tubers se n then grows						[2]
	(b)			vet / rain; umid;						[2]
	(c)			growth; puilding;			A in	ncrease plant growth	1	[2]
									[Total:	10]
5	(a)	1 — 2 — 3 4 — 5 — 6				- 1 - 2 - 3 - 4 - 5 - 6	5 correct = 4 correct = 3 correct = 2 correct = 1 correct = 1	3 marks 2 marks 1 mark		[4]
	(b)	sun	flowe	er cake / maiz	e meal;					[1]
	(c) ration containing all food requirements; ratio related to demands of animal;								[Total	[2] : 7]
6	(a)	a) toxic fumes / do not breathe in;						outh	[3]	
	(b)	(i)	spra	ıy will wash o	ff before abso	orption;				
		(ii)	spra	ıy gets elsew	here / damag	e other crop	os / waste;	R blown away unles	s qualified	[2]

(c) appropriate weed;

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spreads by runners / stolons or seeds in wind; OWTTE

[2]

[Total: 7]

			IGCSI	E – Octobe	er/Nov	vember 2008	8	0600	02				
(a)	(i)	white because all chicks are white;							[1				
	(ii)	DNA	\(/ genes / chromosomes / sperm and egg;						[1				
	(iii)	а	а		Α	Α		1 mark for game	etes				
		Aa	Aa		Aa	Aa		1 mark for F₁ allow ecf	[2				
(b)		id gro	wth; formation;				A	A resistance to d	isease				
	_		aracteristics;						[3				
									[Total: 7				
8 (a) (i) advantage: free, plenty of space / range for food / cost if qualifineed									e. wire or fencing				
			les	less chance of catching disease / parasitic worms; A carry out natural behaviour									
		disa		rden plots / the									
			Gas	>у,					[2				
	(ii) rests grass / grass can regrow;												
	controls diseases / pests from land e.g. worms;												
(b)	b) concrete floor for cleaning;block wall prevent wind; gutter to prevent water into run;												
	iron	roof	for durability /	less likely	to cat	ch fire; etc.			[3				
(c)								ngs / low egg pro	oduction / loss o				
	weight / blood in droppings / sneezing or running nose / drooping head;												
(d)	(d) $10,000 \times 4 = 200;$ 200												
	-	_00							[Total: 10				
(a)	saw	[max ²											
(b)	(i)	tine i	recycled / nois	ea if disturb	od:				[1				
(6)		i) tins recycled / noise if disturbed; ii) using valuable wood resources / vulnerable to termites;							[1				
	(")	usin	g valuable wo	ou resoure	C3 / Vi	uniciable to	terrinces,		Į.				
(c)	(c) cost of fence related to added income; which enterprise makes most income;												
	whi	ch en	terprise most aced in involve	at risk with	out fe		s:		[max 3				
	350	01				20. 0000	- 1		[Total: 9				

Mark Scheme

Syllabus

Paper

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