UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the October/November 2010 question paper for the guidance of teachers

0680 ENVIRONMENTAL MANAGEMENT

0680/11

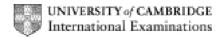
Paper 1, maximum raw mark 60

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 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 2010 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.



Page 2			Mark Scheme: Teachers' version Syll	abus Paper	,
				680 11	
1	(a)	(i) (ii)		[2]	
	(('' <i>)</i>	1 C; 2 A; 3 B; 4 D;		[4]
	(b)	(i)	poor / no hospitals / doctors / ; excellent hospitals / doctors		[2]
	((ii)	bright lights; excitement; better wages; more jobs; better educat better employment conditions; NOTE Must have a qualification where noted	tion;	[2]
2	(a)	(i)	krill; squid;		[2]
	((ii)	krill OR phytoplankton;		[1]
	(i	iii)	leopard seal; elephant seal; squid; other birds; 4 for 3 2–3 for 2 1 for 1		[3]
	(b)	(i)	20 × 5000; = 100 000 units;		[2]
	((ii)	bio control; e.g. (such as predators / parasites or GM methods); physical barrier; e.g. of what barrier keeps out;		[2]
3	(a)	(i)	A crust / lithosphere; B mantle; C core;		[3]
	((ii)	igneous; (accumulation of) small rock particles / sediments / shells / orga R sedimentation limestone / clay / sandstone / coal / avp	nic matter;	
			slate / marble / avp;		[4]
	(b)	(i)	accurate plots;;		[2]
	((ii)	silver;		[1]

Page 3		3	Mark Scheme: Teachers' version	Syllabus	Paper	
			IGCSE – October/November 2010	0680	11	
4	(a) (i)		state of the atmosphere / troposphere; plus example pressure / temp / precipitation / rainfall / wind / sun; any 2 of above with correct explanations e.g. barometer; detail; thermometer; detail (e.g. screen etc.); rain gauge; detail; anemometer; detail; placement R wind gauge			
	(ii)	baro therr rain				
		aner suns		[4]		
	(b) (i)	corre	ectly plotted points;;		[2]	
	(ii)	sava	annah; wet season, but always warm to hot;		[2]	
5	(a) (i)	air a ship _l	ir 19–20 ping 9–10		[2]	
	(ii)		nutrients; stimulate algal growth; dead bodies; deco ete oxygen; fish death; eutrophication;	ompose	[4]	
	(b) (i)	seas	s linked to each other; currents move pollutants		[2]	
	(ii)	-	renting: ble hulls / pipelines;		[1]	
	(iii)		ing: ms / detergent / skimmers / burn off;		[1]	
6	(a) (i)	(i) amount of energy / power / heat received on a surface / incoming solar ra		diation; [1]		
	(ii)		- 242 = 100 units more; × 100 = 41.3 %; ((A) 41 but not 42)		[2]	
	(iii)		nearness to coast / water body / (warm / cold) currents (large lake); amount of altitude; cloud cover; winds if say where from;			
	(b) (i)	fossi fossi 3 ma	il fuels pollute; e.g.; il fuels running out / limited; il fuels non renewable; arks for three bit can have one development mark w award converse in any case	rith any.	[3]	
	(ii)	HEP	P / geothermal / wave / wind / tidal / nuclear / biogas vant development;	,	[2]	