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International General Certificate of Secondary Education

MARK SCHEME for the May/June 2006 question paper

0680 ENVIRONMENTAL MANAGEMENT

0680/01

Paper 1, maximum raw mark 60

These mark schemes are published as an aid to teachers and students, to indicate the requirements of the examination. They show the basis on which Examiners were initially instructed to award marks. They do not indicate the details of the discussions that took place at an Examiners' meeting before marking began. Any substantial changes to the mark scheme that arose from these discussions will be recorded in the published Report on the Examination.

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.

The minimum marks in these components needed for various grades were previously published with these mark schemes, but are now instead included in the Report on the Examination for this session.

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

CIE is publishing the mark schemes for the May/June 2006 guestion papers for most IGCSE and GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

 (a) (i) Kenya (ii) Brazil (b) (i) cholera/typhoid/avp (iii) malaria/bilharzias/avp (c) local people; personal hygiene points most likely here, washing, boiling water; not using as toilet; reason (c) local people; personal hygiene points most likely here, washing, boiling water; not using as toilet; reason (c) local people; personal hygiene points most likely here, washing, boiling water; not using as toilet; reason (d) io hole/fissure/crack owtte in earth's crust; through which molten lava/rock/ash erupts; cone shaped mountain on surface (ii) disease; named disease; lack of food; contaminated water; lack of housing; communications; travel AVP (iii) thought it was end of cycle in 1631/distant past; fatalism; always have (a) (i) diagram as shown with no holes at either pole (ii) CFC gases/aerosols/fridges; destroy ozone (iii) UV causes cancer; UV kills crops; bilindness; cataracts; immune system suppressed; AVP (b) stop using CFC driven aerosols; use non CFC fridge coolants; do not export; import such products (a) (i) 23% (± 1%) (ii) 5% (iii) more old; less young (owtte); less working (j) deforestation; soil erosion; desertification; sewage pollution (owtte) AVP (j) education about family planning; FP clinics; supply free contraceptives; 		Pag	e 1	Mark Scheme Syllabu IGCSE – May/June 2006 0680	
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	(b)	(i)		estation; soil erosion; desertification; sewage pollution (owtte)	[2]
		(ii)			[3]

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	Page	e 2		Mark Scheme				Syllab	A. Du	2			
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(a)	(i)	charco	oal/woo	bd							Call	14	
	(ii)	oil										Tidge	
	(iii)	renewa	ables									.6	20
	(iv)	renewa	ables									[1]	
	(v)	wind/ti	dal/wa	ve/solar (r	າot HEP as	s on sep	o)/biofuels/a	avp				[2]	
(b)	(i)	it will g	go dowr	'n								[1]	
	(ii)	waste	danger	rous; accio	Jents huge	e probler	ems; run out	t of fuel; f	thermal	pollutio	'n	[3]	
(a)	(i)	niche											
				in ecosyst	em; e.g. fr	rom diag	jram						
		habitat	t										
		place v	where (organism I	lives; e.g. f	from dia	ıgram						
		energy	,∕ flow										
		moverr	nent of	f energy by	/ feeding; /	e.g. fron	n diagram					[4]	
		produc consur	mers	B C								701	
		solar		A								[3]	
(b)	(ii)	farmlar	nd; bui	ildings; roa	ads; mininç	g; loggin	ıg; avp				aı	ny [3]	