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UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the June 2005 question paper

0680 ENVIRONMENTAL MANAGEMENT

0680/04

Paper 4 (Alternative to Coursework), maximum mark 60

This mark scheme is published as an aid to teachers and students, to indicate the requirements of the examination. It shows the basis on which Examiners were initially instructed to award marks. It does 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*.

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

CIE is publishing the mark schemes for the June 2005 question papers for most IGCSE and GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

Grade thresholds for Syllabus 0680 (Environmental Management) in the June 2005 examination.

	maximum	mir	nimum mark re	equired for gra	de:
	mark available	A	С	E	F
Component 4	60	45	31	22	17

The threshold (minimum mark) for B is set halfway between those for Grades A and C. The threshold (minimum mark) for D is set halfway between those for Grades C and E. The threshold (minimum mark) for G is set as many marks below the F threshold as the E threshold is above it.

Grade A* does not exist at the level of an individual component.

IGCSE

MARK SCHEME

MAXIMUM MARK: 60

SYLLABUS/COMPONENT: 0680/04

ENVIRONMENTAL MANAGEMENT (Alternative to Coursework)



	Page 1		Mark Scheme	Syllabus	Paper
			ENVIRONMENTAL MANAGEMENT – June 2005	0680	4
1	(a)	(i)	Мау;		[1]
		(ii)	April December; July September;		[2]
		(iii)	June;		[1]
	(b)	(i)	Farmers - ref to crop damage/soil erosion/best pla	anting time/	e.g. AVP;
		(ii)	<u>In city</u> - flooding/damage to stored foods/e.g.;. A precautions;	VP such a	s medical [2]
	(c)	(i)	10; well spaced/all along road;		[2]
		(ii)	Easy to empty/good access/eq;		[1]
		(iii)	Water runs through settlement/flooding; pathoger spread of pathogens; from sewage; correct ref to	•	
	(d)	(i)	SO ₂ ; coal/from factories; NO _x ; car exhaust; CO; open fires/incomplete combustion/cars; [R a source if not related to a correct gas. R CO ₂].		[4]
		(ii)	Girls stay in cooking/eq;		[1]
		(iii)	Cleaner fuel in city/in cars/use biogas/move factor R moving people.	ries (to edg	e of city); [1]
	(e)	(i)	Open fires; overcrowding; shelters made from	flammable	material;
		AVP;			[2]
		(ii)	Sewage removal; electricity; rubbish removal; sch clinics/hospitals; AVP;	nools;	[2]
		(iii)	Drinking water contaminated; a valid reason; AVF),	[2]
2	(a)	(i)	Cash/crop/eq;		[1]
		(ii)	Sprayed less often;		[1]
		(iii)	Three good features such as colour/pest resist growth/AVP/AVP; (Note all answers must be retheir family) then each point qualified;;; [A cost of	elevant to f	armers or
	(b)	(i)	So soil/climate/planting density/fertiliser/AVP - the	e same;;	[2]

(c) (i) Ref to glo (ii) 230 46; (iii) 46/230 x (iv) All plots of (v) Infested (d) Three good quayout; 3 (a) (i) To reduce more favouch as a continuous of the continuous of	oves/masks/washing hands/do not eat/protective clothing. [2] [2] [3] [4] [5] [5] [6] [6] [7] [7] [7] [8] [8] [8] [9] [9] [9] [9] [9] [9] [9] [9] [9] [9
(ii) 230 46; (iii) 46/230 x (iv) All plots (v) Infested (d) Three good quayout; 3 (a) (i) To reduce more favouch as a control of the contro	[2] [3] [4] [5] [6] [6] [6] [6] [6] [7] [6] [7] [8] [8] [8] [8] [8] [8] [8] [9] [9] [9] [9] [9] [9] [9] [9] [9] [9
(iii) 46/230 x (iv) All plots (v) Infested (d) Three good quayout; 3 (a) (i) To reduce more favouch as a contract of the co	correct;; one mistake; bolls increase as total bolls increase; uestions about growing cotton from the farmers perspective;;; ce soil erosion/reduce floods; maintain/improve soil fertility; yourable climate; forest products in the future; AVP;; (AVP's refs living standard and employment).
(iv) All plots (v) Infested (v) Infested (d) Three good quality and the such as a su	correct;; one mistake; bolls increase as total bolls increase; uestions about growing cotton from the farmers perspective;;; ce soil erosion/reduce floods; maintain/improve soil fertility; yourable climate; forest products in the future; AVP;; (AVP's refs living standard and employment).
(v) Infested (d) Three good quayout; 3 (a) (i) To reduce more favouch as a control of the such	bolls increase as total bolls increase; [2] [3] [4] [4] [6] [6] [6] [7] [6] [7] [7] [8] [8] [8] [9] [9] [9] [9] [9
(d) Three good quayout; 3 (a) (i) To reduce more favouch as a such as a such as a such as: (b) (i) No value Value - n (c) Ideas such as: Relating to hur water po	uestions about growing cotton from the farmers perspective;;; [4 ce soil erosion/reduce floods; maintain/improve soil fertility; vourable climate; forest products in the future; AVP;; (AVP's refs living standard and employment).
layout; 3 (a) (i) To reduce more favouch as it will be a such as it will be a such as: (b) (i) No value Value - no such as: Relating to hur water poor Relating to enverse.	ce soil erosion/reduce floods; maintain/improve soil fertility; vourable climate; forest products in the future; AVP;; (AVP's refs living standard and employment).
more fave such as in the such as in the such as in the such as in the such as: (b) (i) No value Value - no value - no value - no value in the such as: Relating to hur water poor Relating to envelope in the such as	vourable climate; forest products in the future; AVP;; (AVP's refs living standard and employment).
explanati (b) (i) No value Value - n (c) Ideas such as: Relating to hur (i) Dust blowater po Relating to env	al plants; disturb/hunt wildlife/macaques; AVP; Valid
Value - n (c) Ideas such as: Relating to hur (i) Dust blowater po Relating to env	ion (such as altering food chain);
Relating to <u>hur</u> (i) Dust blo water po Relating to <u>env</u>	e - not good food; cannot sell skins; too difficult to find; AVP;; may allow ecotourism; religious view; AVP;; [3
water po Relating to <u>env</u>	
	ows into village; causes disease/named disease/condition; isoned;
	vironment ns disturb wildlife; water courses poisoned; AVP;; [4
 start limite mine mag crop rotat high value high prote intercropp maintain family pla 	ntry to shola; ed ecotourism; gnesium away from water; and village/shoal; tion; e cash crop; ein animal;
• AVP;;;	oing in managed forest; supply of wood/eq; anning; [{

Mark Scheme
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