## UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

**International General Certificate of Secondary Education** 

## MARK SCHEME for the October/November 2011 question paper for the guidance of teachers

## 0680 ENVIRONMENTAL MANAGEMENT

0680/41

Paper 4 (Alternative to Coursework), 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.

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

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. ugo z	_	IGCSE – October/November 2011	0680	41
		1000E - October/Movetimer 2011	1 0000	<u> </u> 41
(a) (i)	rice:	protein/oils/omega 3 and or 6/vitamin A/vitamin D/carbohydrate/energy source/vitamin B/fibre; not allow vitamins/minerals/nutrients unqualified)	calcium;	[2
(ii)	grov no n harv	an still produce food/rice during flooding; vs as fast as water rises/eq; eed to try and control water level/eq; est earlier; two)		[2
(iii)	suita	e that can record the data; able headings;; st be for 7 days and a minimum of one of farmer/ca	atch/number/type/v	veight) [3
(iv)	to ca so c (any	bility/eq; alculate average/mean; atches can be compared;/to give a more complete one) not allow precise/accurate)	picture;	[1]
(b) (i)	sex; age; (do i abio	/length;	t fishing;	[2
(ii)	in ex com ref to	taking samples for more than one year/eq; cactly the same way/eq; pare the catches/eq; b LEDC's/eq; two)		[2]
(c) (i)	A;			[1]
(ii)	C;			[1]
(iii)	from valid fish	fishing elsewhere/more people fishing; same village; pollution; l example of pollution; disease; two)		[2]
foo furt not no ma ref	s your d cha her a breed breed ny fis	ng fish; ins altered; ppropriate explanation; ding fast enough; ling stock left; h not used for food/eq e.g. left in water; trophication;		[3

Mark Scheme: Teachers' version

Syllabus

Paper

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Page 3		Mark Scheme: Teachers' version	Syllabus	Paper
		IGCSE – October/November 2011	0680	41
(e) (i)	fines/ quota set m close	ng patrols; /eq; as; nesh size; e season; atch areas/eq; ;		[2]
(ii)	EITH yes:  OR no:	MER makes people aware; may help to save habitat; s funding; more scientific interest; ref to law; (any tw  people will keep capturing it; habitat cannot be s become extinct/eq; more desirable; more poaching two)	o) saved/eq; so few	left its likely to
(f) (i)	some still s less a still a ref to	able to fish; e power; some silt; annual flooding; able to grow rice; o generating local jobs; three)		[3]
(ii)	for ex more more more more econ	e electricity/energy (than B); expanding population; e flood control; e aid to build dam/eq; e jobs (than B); e money made by government (more quickly); nomy of scale; o developing more industry; two)		[2]
(a) (i)	some	e correct working; most C; least B;		[3]
(ii)	axes plots	ntation; labelled (weight/kg and year/time or all years labell (no errors); w line or bar graphs)	ed);;	[4]
(iii)	`	5/2008; (allow ref to third or sixth year)		[1]
(iv)	26.25	5; × 10 = 262.5 (262/263); 262.5 (262/263);;		[2]

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Page 4		wark Scheme: Teachers' version	Syllabus	Paper
		IGCSE – October/November 2011	0680	41
(b) (i)	high free (allo	warm/tropical; rainfall/wet/monsoon; standing water; w savanna) r two)		[2]
(ii)	mos too r canr as n canr so n no v ref to	d breeding of mosquito/eq; equito's breed in water; much water; not all be drained; needed for rice; not spray all the water; not all mosquitoes can be killed; raccine yet; o cost; not stop mosquitoes biting humans; o three)		[3]
(iii)	use appl use keep ref to anti	te a repellent from cashew shell/gum; of a repellent; ly at night; of nets; o covered (at night); o reducing breeding sites of mosquitoes; malarial drugs; v two)		[2]
3 (a) (i)	Octo	ober/November to March;		[1]
(ii)		three valid jobs;; 2:1)		[2]
(b) (i)		three valid questions such as income, employment, k skills ;;; out;	number of depe	ndents, relevant [4]
(ii)		wed developments: such as sewage works; small s ds; paths for hiking; more jobs; other valid ideas; (ma		es/camps; small
	othe	trictions: such as large hotels; restaurants; golf courser valid ideas; (max 4) bk for suitable qualifications in both parts/'/)	se; large roads; c	lumping wastes; [8]

Mark Scheme: Teachers' version

**Syllabus** 

**Paper** 

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