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## UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS GCE Ordinary Level

## MARK SCHEME for the May/June 2010 question paper for the guidance of teachers

## **2217 GEOGRAPHY**

2217/23

Paper 23 (Investigation and Skills), maximum raw mark 90

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.

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				32		
Page 2		ge 2	Mark Scheme: Teachers' version	Syllabus		
			GCE O LEVEL – May/June 2010	2217		
			Section A	and a		
1	(a)	9978	66	Syllabus Par 2217 Par		
	(b)	NE/E 3000-	:NE -3200	[2]		
	(c)	Dens	of Block – F = small(er), C = large(r) sity of Building – F = low(er), C = high(er) ability of services – F = None/No, C= Many/Yes	[3]		
	(d)	Wate Lake/ Road Labor Flatte	or plantations or tanks /River I Access our supply er land et in/via town	[3]		
	(e)	Tribut Lake/ Gentl Conic with dep Lowe Heigh	to north	[4]		
	(f)	(ii) F	Sugar plantation Scattered trees/scrub Riverine trees Poultry Farm Road Bridge Buildings/mosque/settlement Cane Tracks	[3]		
			Dam Water tank	[3]		

(g) NW/NNW

[1]

[Total: 20]

			May May 1
	Page 3	Mark Scheme: Teachers' version	Syllabus
		GCE O LEVEL – May/June 2010	2217
2	(a) Decreas Rapid in Rapid de Levels o Decreas	Syllabus Parts er 2217 Parts Canning (3)	
	(b) Low pred Frozen p	cipitation recipitation	[2]
	(c) (i) Feb	ruary	[1]
	` '	er heating er lighting	[1]
	(iii) Wat	er level falls	[1]
			[Total: 8]
3	(a) 10+ store City Park On-stree	ζ	[3]
	Grass ar	with grass and trees  nd trees down middle of road erspersed with buildings	[2]
	Lots of p Lots of tr High ord	lings Museum edestrians	[3]

[Total: 8]

Page 4	Mark Scheme: Teachers' version	Syllabus
	GCE O LEVEL – May/June 2010	2217
	•	S

(a) (i) Correct plot on graph (ii) Kenya (iii) Argentina Low (b) (i) Correct plot for Japan [1] (ii) Sri Lanka primary higher Sri Lanka secondary lower Sri Lanka tertiary lower [2] (c) All live in urban areas [1] [Total: 8] 5 (a) (i) Cocoa Beans [1] (ii) Indonesia [1] (iii) Central and South America [1] (iv) 61–62% [1] (v) Harvest may fail Harvest/supply may be disrupted by war/natural hazard Country may increase the price Country may sell crop elsewhere [2] (b) (i) Good harvest, large supply [1] (ii) Prices will increase [1]

[Total: 8]

Page 5	Mark Scheme: Teachers' version	Syllabus	er
	GCE O LEVEL – May/June 2010	2217	100-

- 6 (a) (i) Apples, Rice, Tea, Tobacco, Wheat
  - (ii) Rice
  - (iii) Two of copper, gold, manganese, zinc
  - (iv) Forestry [1]
  - **(b)** 600 km [1]
  - (c) Towards the south
    Mostly on the main island
    Along the coast
    Very small area in north
    Around Tokyo

[Total: 8]

[3]

_			
	Page 6	Mark Scheme: Teachers' version	Syllabus
		GCE O LEVEL – May/June 2010	2217
		Section B	Calny
7	Q1 i Qs 2 Q4 i Q5 i	oduction gives no context to questionnaire is too vague – need town/city/country or is too personal 2 & 3 are irrelevant to hypotheses repeats idea of Q1/answers wont be accurate is a closed question and gives no extra information	Adde.com

## Section B

Q6 is negative

Q7 is personal

Final comment is abrupt/no thanks/informal/impolite/unfriendly

No multiple choice alternatives/tick boxes

Will have to write down full answers/no space to write answers

Difficult to analyse/collate results

No question about activities which people did/key question for hypothesis 1

Illogical order of questions/age question is last

Answers don't need to refer to specific questions in questionnaire

NOT question is unacceptable – must say why

NOT questionnaire is too short

[3 @ 1 = 3]

(ii) Introduction explains who is doing questionnaire & why/friendly

Positive introduction – won't take up much time

Qs 1, 2 & 3 ask for precise/quick responses/choices for people to tick

Qs 4 & 5 are open/positive/ask for opinions

Thanks at the end

Gender information is recorded without questioning

Questions are relevant to hypotheses

Answers are easy to collate/graph

Can credit opposites to (i)

Answers don't need to refer to specific questions in questionnaire

NOT clear/easy to understand – must say why

[2 @ 1 =2]

(iii) Simple to organise/clear rationale

Reduces bias in sample/fair test

Respondents cannot influence each other/discuss answers

[2 @ 1 = 2]

(iv) Lots of people to ask/many people park there

In middle of national park so more likely to be used by tourists

Accept negative comment about other locations

[1]

(v) Why: People would be better equipped to answer questions about time spent in park/ activities/what they liked

Waited until people had enjoyed the day's activities

Disadvantage: People are tired at end of a busy day/cannot be bothered to answer questions

People in a rush to set off for home

May not get enough answers and too late to do anything about it

Will only question people in cars/miss out people who don't come by car [1 + 1 = 2]

Page 7	Mark Scheme: Teachers' version	Syllabus
	GCE O LEVEL – May/June 2010	2217

- (b) (i) Bar graph completion need dividing line & labels (Yes/No) Allow tolerance from 72-75 or 22-28
  - (ii) Pie graph completion 1 mark (4 or 5 days, longer than 5 days) Shading/labels in key 1 mark Allow 1% tolerance
  - (iii) Insert figures for sightseeing: 5 in 51-65 age group column 11 in total column Both correct for 1 mark

(iv) Hypothesis is partially/generally true/Yes/age does influence activities - reserve mark Physical/lively/active activities are more popular with younger people Such as cycling/mountain biking/horse riding/running/jogging Less physical/leisurely/relaxed activities are more popular with older people Such as sightseeing/driving/visiting historic buildings/shopping/bird watching Walking is popular with all age groups, doesn't support hypothesis/exception Some activities are popular only with specific age groups - climbing: 21-50/walking (over 5 km) not with over 65 Credit exception such as 2 people under 20 visit historic buildings

No data mark NOT 'high risk' activities

[4]

- Easy to get to (c) (i) 1
  - 2 Scenery
  - Opportunity to do my favourite activity/Peace & quiet

[3 @ 1 = 3]

(ii) Improvements:

New walking routes signposted: visitors will not get lost/easier to explore More car parks: not waste time looking for a parking space/not have to walk as far/not need to use public transport/safe and secure NOT more visitors

Better toilet facilities: improved visitor comfort/more hygienic/less distance to facilities More cafes and refreshment facilities: improved visitor comfort/will not go hungry/rest & drink/relax/don't have to bring own food/don't have to leave park to eat More cycling horse riding routes: planned route to follow/away from traffic

More information boards: visitors can learn about the area

NOT stop people getting lost

Improved footpath surfaces: easier/safer to walk on/less muddy/cleaner

[2 @ 1 = 2]

(iii) Yes true/most visitors do have a positive opinion – reserve mark

Because; visitors gave examples of activities (Table 3)/opportunity to do favourite activities

Visitors said what they liked (Table 4) – e.g. peace & quiet

Visitors gave positive ideas for improvements (Table 5) / no serious problem/complaint Most visitors had visited more than once and returned (Table 1)

Many visitors were staying more than one day (Table 2)

1 mark maximum on each Table

Responses only based on one day in one national park/visitors not asked direct question: Do you like/have a positive view of national parks? [3]

[1]

Page 8	Mark Scheme: Teachers' version	Syllabus
	GCE O LEVEL – May/June 2010	2217
(d) (i)	Where do you live?/nationality Where do you come from? How far have you travelled to get to the national par How long have you spent travelling to the park?	Syllabus Add er 2217
(ii)	Grouping data/categorise/results table tally chart Map / type of graph – bar/pie/divided rectangle/picto Type of map – choropleth/dot distribution/flow lines/ 1 mark for each of above ideas if appropriate to que Accept presentation ideas, even if question in (i) is	ogram /desire lines estion in <b>(i)</b>
	NOT questionnaire/tick boxes	[3]
		[Total: 30
Dor We Kee Dor Tell Cor	ear strong shoes/wellingtons to protect feet n't do fieldwork alone – at least two preferably three pear waterproofs to keep warm/protective clothing/light ep a look out for dangerous animals n't do fieldwork if river is badly polluted/don't drink wall someone where you are going/take a mobile phone mplete in daylight/before it gets dark y be slippery rocks/bank	clothes which will dry ater/Veil's disease
NO	T don't run around/push each other in/swim in river	[3 @ 1 = 3
(b) (i)	Measure section along river Time floats over measured section Repeat timing exercise at points 1, 2 and 3 across r Calculate surface velocity: distance time	river [(
(ii)	Rest rule/ruler on river bed - NOT 'in river' Ensure rule is upright/vertical Take reading of water surface on rule/measure part	of stick which is wet
	May suggest string & weigh & tape measure Lower string to river bed Mark / observe water level on string Measure wet section	
	NOT repetition of measuring across river No credit for equipment – must describe its use	[:
(iii)	Velocity is greater near the outer bank of the meand Velocity decreases towards the inner bank/sample palternative to above ideas: velocity varies at different velocity across river/velocity increases from sample	point 1 fferent points/there are variations i

velocity across river/velocity increases from sample point 1 to point 3 – NOT wording of hypothesis

between them No hypothesis mark

Velocity is greater where river is deeper/least where river is shallow Credit 1 mark (not reserve) for two comparative figures from 18, 41, 72 or difference

[2]

					33	
Pa	ge 9		Scheme: Teachers'		Syllabus	er
		GCE	O LEVEL – May/Jur	ne 2010	2217	700
(c)	Meas  - 1  Rout Float Too Only Rand	oats get stuck on strong wind may into taken by floats is all move into make sampling point taking one measurem positioning of street	e affected by external vegetation terfere with movemen unpredictable in current of river, so r	t of float not really testing ve ing point/need to c al distances apart	elocity across a	
(d)	; ; ;	Must be held vertic Stand downstream Propeller must be f Propeller spins/mov Record digital read	or to the side of the flacing upstream	owmeter		
	I	IOT take measure	ments at different poir	nts in river		[3]
		Completion of 20cm	n per second isoline ach error			[2]
	(iii)	Shading on diagrar	n the area where velo	city is greater thar	n 40cm per secc	ond [1]
		Supporting data – to But where current across meander Here the greatest volumer to be porting data – to Then velocity does	with hypothesis – reservo current measurement is strongest there is relocity is at about 1/3 wo current measurement decrease below 1/3 or	ents: e.g. 40-37-1 exception/hypothe of depth/just unde ents: e.g. 60-68-7 if depth	esis doesn't app er water surface	ly everywhere
	(v) :	Surface velocity is a /elocity near bed/b Greatest velocity is	r comparative figures affected by friction wit anks of channel reduce where current is stron	h atmosphere ced by friction with		
	ļ	NOT 'velocity is gre	eater on outside'			[2]
(e)	Grea Grea	arities: ter velocity slightly ter velocity where city reduces near b	•	urface		
	Velo	-	e of channel on a strai e evenly towards bed	_	section	

1 mark reserve for similarity/difference

[Total: 30]

[4]