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UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the June 2004 question papers

0460	GEOGRA	PHY
0460	GEOGRA	PHY

0460/01 Paper 1 (Core), maximum mark 75

0460/02 Paper 2 (Extended), maximum mark 75

0460/04 Paper 4 (Alternative to Coursework), maximum 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.

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

CIE is publishing the mark schemes for the June 2004 question papers for most IGCSE and GCE Advanced Level syllabuses.



Grade thresholds taken for Syllabus 0460 (Geography) in the June 2004 examination

	maximum	m	ninimum mark re	equired for grad	e:
	mark available	Α	С	E	F
Component 1	75	51	32	24	20
Component 2	75	45	34	25	20
Component 3	60	50	34	20	15
Component 4	60	44	34	22	18

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.

INTERNATIONAL GCSE

MARK SCHEME

MAXIMUM MARK: 75

SYLLABUS/COMPONENT: 0460/01

Geography Paper 1



Page 1	Mark Scheme	Syllabus	Paper
	Geography – June 2004	0460	01

The features of the marking scheme

Each question carries 25 marks. Candidates cannot earn above the maximum marks available within each sub section.

The marking scheme attempts to give guidance about the requirements of each answer and lists a number of responses which will earn marks along with the general principles to be applied when marking each question.

It should be noted that candidates can earn marks if their answers are phrased differently provided they convey the same meaning as those in the mark scheme. THE CANDIDATES DO NOT NEED TO USE THE SAME WORDING TO EARN MARKS.

The notation 'etc' at the end of an answer in the mark scheme signifies that there may well be other correct responses or examples that can be given credit. Providing the statement is true, relevant to the question asked and not repetition of a previous point made credit should be given.

A point made within one sub-section which is an answer to the question set in a different sub-section should not be given credit as each sub-section asks different questions which require independent answers.

The mark scheme uses semi colons (;) to separate marks and diagonals to separate alternative answers.

During coordination the mark scheme is modified to add points agreed after discussion or to delete any points not allowed. All examiners should ensure that their modified scheme is fully up-to-date before marking begins.

Page 2	Mark Scheme	Syllabus	Paper
	Geography – June 2004	0460	01

Question 1

(a) (i) Ideas such as:

- large number of people seen as an advantage/government saw population growth as healthy;
- country could afford people/oil revenues;
- country had sufficient space/resources/was not overpopulated etc

2 at 1 mark [2]

(ii) Ideas such as:

- lower income from oil/resources declining;
- economic decline;
- growth was too rapid/population would double in less than 30 years/population explosion.

2 at 1 mark [2]

(iii) Ideas such as:

- further decrease in oil revenues/exhaustion;
- fewer family planning clinics/primary schools were built;
- implications such as no increase in women becoming educated/literate/many Nigerian women still married before 15yrs/no increase in use of contraception
- etc (MAX 2).

3 at 1 mark [3]

(iv) Ideas such as:

- education in/awareness of family planning;
- realisation of problems of too many people;
- women more likely to obtain employment/delay child bearing;
- raises average age of marriage/decreases reproductive span etc

2 at 1 mark [2]

(v) Ideas such as:

- tradition;
- religious pressures;
- zeal for son/inheritance;
- ignorance of large sectors of the population on need to reduce B.R/illiterate population;
- size of country/dispersed nature of population/isolation of rural areas;
- expense of introducing family planning policies/clinics;
- lack of/unpopularity of abortion/sterilisation/contraception;
- lack of education re. birth control;
- impact of early marriage;
- need children to work on farms/in home;
- need children to send out to work/beg;
- large number of children to look after parents in old age;
- high infant mortality/hence large families;
- falling death rate etc

6 at 1 mark or development [6]

	Page 3	Mar	k Scheme	Syllabus	Paper
		Geograp	hy – June 2004	0460	01
b) (i)	20-24	yrs all countries decline - 3	30-34 yrs some increase.		
			1 mark		[′
(ii)) Accep	pt in range -20%/20% reduc	tion to -22%		
			1 mark		[′
(iii	increa	lidates can be credited for state in some age groups in Strally larger change in Swede	Sweden – decrease in all in Iri	sh Republic	;
	Deve	lopment marks available up	to MAX 3 for illustration by us	se of statistic	cs
			4 at 1 mark or developr	ment	[4
(iv	ldeas	•	lren later; ods; ions; onsequences of growth;		ren;
			4 at 1 mark or developr	ment	[4
				TOTAL 2	5 MARK
uesti	ion 2				
a) (i)					
	B 5 kı	m	2 at 1 mark		[2
) Cymar	nasium and post office adde			
(ii)) Gymr	poot omico diame	ed correctly (distance and sect	or required)	
(ii)) Gymr		ed correctly (distance and sect 2 at 1 mark	or required)	[;
(ii)	i) Ideas • • •	s such as: convenience goods/low ord comparison goods/specialis frequency of visits; variation in number/spacing variation in spheres of influ variation in threshold popul	2 at 1 mark der - short distances; sed services - longer distance g/distance of services ence;	s;	

Pa	age 4	Mark Scheme	Syllabus	Paper
		Geography – June 2004	0460	01
o) (i)	Marks to	be allocated based on line graph drawn and on ar	y 3 of the follow	vina:
		5 .	ly 5 of the follow	wirig.
	lovlov	level in CBD (Zone 1) level in forest (between zone 3 and 4) dium level in Inner City (Zone 2)	ly 3 of the follow	wilig.

3 at 1 mark for correct identification of at least one area of low, medium and

(ii) Marks to be allocated based on reasoning included on annotation of line graph. Ideas such as:

- low level in CBD (Zone 1) as most of land is used for service provision/cost
- of land is too high/there are only a small number of apartments;
- low level in forest (between zone 3 and 4) as people do not live in it/trees are
- being conserved/it is used as a recreation area;
- medium level in Inner City (Zone 2) as there are commercial land uses as
- well as some residential
- high level in suburbs/villages to left (zones 3 and 4) as all land is
- residential/there are high rise flats.
- medium level in suburbs/villages to right (zones 3 and 4) as high cost houses
- are likely to be large/have garden space

3 at 1 mark [3]

[3]

etc

(iii) A Ideas such as:

high density.

- older properties have fallen into disrepair/high cost of repair;
- spread of CBD/offices;
- need to use land more intensively;
- demand for/building of apartments;
- building of houses with better amenities/or examples;
- new road developments;
- new leisure/shopping centres;

3 at 1 mark [3]

B Ideas such as:

- older houses add character/retain culture/image;
- old houses are often large/well constructed;
- reduce idea of 'dead heart';
- convenient residential location close to workplaces/CBD
- social advantages of improved housing rather than flats
- people have lived there for many years/can't afford to move;
- community spirit;
- cheaper option for local authority;
- to restrict outward expansion etc.

3 at 1 mark [3]

Pac	ge 5	Mark Sch	eme	Syllabus	Paper
	, -	Geography – J		0460	01
(c)	is no m place as settleme location		and describe the chang outward migration. Be pi diting appropriate chang	nes which h repared to a ges resulting	ave tak accept a g from t
		mark for residential area ide or outward migration as approp	<u> </u>	ct reference	e to eith
	buchprse	s such as: uilding of housing estates/high nange in characteristics of hous ovision/reduction of amenities ervices, schools, clinics, leisure aprovement of road network	sing/e.g. replacing terrac or examples such as bu	ed with high s services, r	
			5 at 1 mark or developr	ment	
				TOTAL 2	25 MARI
Question	3				
(a) (i) A	Stevens	son screen			
			1 mark		
В	heloipains	uch as: gs, eight 120cm; uvres on sides; ainted white; sulated/double roof; op down door/down opens awa	ay from sun 4 at 1 mark		etc
С	all	uch as: otects instruments from sun's lows shade/true temperature of lows flow of air; ccommodate instruments such	f the air to be measured;	_	etc
			2 at 1 mark		
(ii)A	 ald mo ind bu 	uch as: be/capillary; cohol; ercury; dices; dicator of max/min temperature ale	es; etc		

3 at 1 mark

[3]

	ge 6	Ma	ark Scheme		Syllabus	Paper
		Geogra	phy – June 2004		0460	01
В	ldeas su	ıch as:				
	• rea	adings taken at lower er	nd of each index	.,		
		ht limb - highest temper		•		
	_	t limb - lowest temperat				
		adings at regular time e				
		ad at eye level;	•			
		set with magnet	etc			
		J				
			3	at 1 mark		[3]
) (i) A	•	ation 1200mm-2000mm	•			
В	Precipita	ation 70-1300, temps2	20 to -1°C or low	temp/low to me	edium preci	oitation.
			2	at 1 mark		[2]
(ii)	The free	eze thaw process is the	only accentable	answer here A	ccent ideas	such as:
(11)		eze-thaw/frost shattering	•		ccept lueas	such as.
		n collects in cracks/join	• ,	vca),		
		nperature falls;	ιο,			
		ater freezes – expands;				
		ress on cracks/joints;				
		nts opened;				
	-	elting;				
		ore water enters the joir	ate/ropotition:			
		gular fragments/scree/l		rk reserved)	etc	
	o an	guidi iraginomo/sorco/i	•		Cio	
			5	at 1 mark		[5]
(iii)	Accept	carbonation, oxidation, I	hydrolysis or hyd	Iration.		
	• e.d	g. carbonation (1 mark);			
		n + C02/carbonic acid;	,,			
		acts with limestone/form	ns calcium bicart	oonate:		
		ashed away/dissolved/C		•		
		ening of joints	etc	,		
		• •	CIC			
	• e.c		eic			
	-	g. oxidation (1 mark);	eic			
	• ox	g. oxidation (1 mark); ygen in water;		es/hydroxides/ru	ıst·	
	oxrea	g. oxidation (1 mark); ygen in water; acts with iron minerals t		es/hydroxides/ru	ust;	
	 ox rea iro 	g. oxidation (1 mark); ygen in water; acts with iron minerals t n minerals crumble;	o form iron oxide	es/hydroxides/ru	ust;	
	 ox rea iro 	g. oxidation (1 mark); ygen in water; acts with iron minerals t	o form iron oxide etc	·	ust;	
	 ox rea iro 	g. oxidation (1 mark); ygen in water; acts with iron minerals t n minerals crumble;	o form iron oxide etc	es/hydroxides/ru at 1 mark	ust;	[3]
)	oxreairowe	g. oxidation (1 mark); ygen in water; acts with iron minerals t in minerals crumble; eakens rock uch as:	o form iron oxide etc	·	ust;	[3]
)	 ox rea iro we Ideas su ha 	g. oxidation (1 mark); ygen in water; acts with iron minerals t n minerals crumble; eakens rock uch as: rdness;	o form iron oxide etc	·	ust;	[3]
)	 ox rea iro we Ideas su ha co 	g. oxidation (1 mark); ygen in water; acts with iron minerals t n minerals crumble; eakens rock uch as: rdness; mposition;	o form iron oxide etc	·	ust;	[3]
)	 ox rea iro we Ideas su ha co 	g. oxidation (1 mark); ygen in water; acts with iron minerals t n minerals crumble; eakens rock uch as: rdness;	o form iron oxide etc	·	ust;	[3]
)	 ox rea iro we Ideas su ha co siz 	g. oxidation (1 mark); ygen in water; acts with iron minerals t n minerals crumble; eakens rock uch as: rdness; mposition;	o form iron oxide etc 3	·	ust;	[3]
)	 ox rea iro we Ideas su ha co siz joi 	g. oxidation (1 mark); ygen in water; acts with iron minerals t in minerals crumble; eakens rock ach as: rdness; mposition; ze of grains,	o form iron oxide etc 3	·	ust;	[3]
)	 ox rea iro we Ideas su ha co siz joi pe 	g. oxidation (1 mark); ygen in water; acts with iron minerals t n minerals crumble; eakens rock ach as: rdness; mposition; te of grains, nting and other weakne	o form iron oxide etc 3	·	ust;	[3]

TOTAL 25 MARKS

	Pag	ge 7	Mark Sch	eme	Syllabus	Paper
			Geography – J	une 2004	0460	01
Que	estion	4				
(a)	(i)	 pl oc st he ur cr ris 	ate boundaries; ates moving towards each other ceanic plates move towards coulduction zones; eat/friction; oper layer of oceanic crust part ust/destructive margin; sing magma; rough fractures	ntinental;	ıction of	
		•		4 at 1 mark or de		
(b)	(i)	 al as sl m cr se ve m 	ternate layers; sh/cinders and lava; opes steeper at summit; ain cone; ater; econdary cones; ent/pipe; agma chamber; /ke	etc 4 at 1 mark		
	(ii)A	hemflo	uch as: elting snows; eavy rainfall/water content of m ix with ash; ow down steep slopes/gravity; ggered by earthquakes	agma; etc		
				2 at 1 mark		

B Ideas such as:

- loss of life;
- destroy buildings/homes;
- inundate farmland/destroy crops/livestock;
- disrupt communications;
- bring down power lines/damage water pipes;
- destroy workplaces/damage factories;
- occur without warning/at great speed etc.

2 at 1 mark [2]

Page 8	Mark Scheme	Syllabus	Paper
	Geography – June 2004	0460	01

- (c) Ideas such as:
 - plates move apart/diverge;
 - sea floor spreading;
 - fractures;
 - earthquakes;
 - rising magma/sea floor volcanoes;
 - solidifies/new crust/piles up;
 - oceanic ridge/volcanic islands
 - tsunamis etc

4 at 1 mark or development [4]

- (d) (i) Ideas such as:
 - Move away from areas of instability;
 - Forecasting/warning to public;
 - build earthquake proof buildings/or specific references to structures to MAX 3;
 - awareness/what action to take;
 - practise drills;
 - emergency services organised;
 - emergency food/supplies etc

4 at 1 mark or development [4]

- (ii) Ideas such as:
 - cost;
 - may occur in country with low GNP;
 - devastation may cover a wide area/large-scale/affects many people;
 - magnitude of disaster/intensity;
 - damage to infrastructure;
 - damage to economy;
 - impacts on food supplies/famine;
 - impacts of disease on recovery;
 - lack of hospitals/health care hinder recovery;
 - homelessness;
 - psychological impacts etc

5 at 1 mark or development [5]

TOTAL 25 MARKS

Pa	ige 9	Mark Scheme	Syllabus	Paper
		Geography – June 2004	0460	01
Questio	า 5			
a) (i)	•	such as: mechanisation; rich countries can import food/ raw materials; ndustry and services more important;		

- labour prefers to work in industry and services/or reasoning
- many raw materials exhausted etc

2 at 1 mark [2]

(ii) Features such as:

- largest sector tertiary;
- secondary second largest.

2 at 1 mark [2]

(iii) Changes such as:

- increase of proportion in tertiary;
- decline in primary;
- decline in secondary.

3 at 1 mark [3]

(iv) Ideas such as:

- competition in manufacturing with other countries;
- more developed economies greater demand for services;
- greater development of high tech. industries;
- more sophisticated/educated labour force;
- countries can afford to import primary products/manufactured goods;
- more live in urban centres where secondary and tertiary sectors concentrated;
- manufacturing/agriculture becoming more mechanised;
- tertiary employment better paid;
- exploiting cheaper workforce in manufacturing in developing countries etc

4 at 1 mark or development [4]

(v) Ideas such as:

- greater percentage in primary industries;
- smaller/larger percentage in secondary industries;
- smaller percentage in tertiary industries

3 at 1 mark [3]

(vi) Ideas such as:

- developing countries greater dependence upon agriculture/raw material exploitation;
- subsistence agriculture;
- limited development of manufacturing/import manufactured goods;
- less demand for/ability to afford services/few services available or egs
- lack of reliable infrastructure;
- lack of investment;
- lack of skills development etc

3 at 1 mark [3]

Page 10	Mark Scheme	Syllabus	Paper
	Geography – June 2004	0460	01

(b) High-technology industries

Ideas such as:

transport -

- not of fundamental importance in location;
- but advantage to be near good roads for assembly of large number of components;
- items low bulk and high cost;
- industry footloose;
- high speed transport components/products;
- proximity to/links to airport;
- major road links;

labour -

- highly skilled universities/technical colleges;
- workforce suited to assembly work;
- female labour relatively low wages;
- research and development universities/research firms;
- skilled labour/well educated;
- expert management;
- different skill levels subcontracting/division of labour;

markets -

- large market;
- widely dispersed regional/international;
- access to other firms industrial linkages;

other factors e.g. siting factors -

- science parks/industrial estates;
- greenfield sites/edges of urban areas;
- pleasant surroundings/countryside attracts labour;
- possibly low cost land areas,

education/research

- research and development;
- universities;
- government support etc

OR Small-scale cultivation of cash crops

market -

- urban areas:
- large retail outlets;
- export markets;

transport -

- road;
- refrigeration;

labour

- skilled labour;
- labour intensive;
- training;
- possibly family labour;

other factors e.g.

physical advantages -

- soils light;
- well drained;
- climate advantages high temperatures;
- heavy reliable rainfall;

technology -

- water supply/water sprinklers/irrigation;
- motorised soil tillers/other machinery;

1						
	Page	2 11	Mark Schen Geography – Jur		Syllabus 0460	Paper 01
			Geography – var	10 2007	0400	01
		spus	rtilisers; rays/pesticides; e of glass; search - plant genetic engineerin	ıg;		
		• so	illess culture/hydroponics; introlled conditions/automation e			
		MAX 3 r good tra lots of w near ma	vorkers; irket;		ion. You n	nay award
				8 at 1 mark		[8]
					TOTAL 2	5 MARKS
Qu	estion (6				
(a)	(i)	Overgra of the la	sprawl – spread of built up areas azing – keeping of numbers of li nd. station – removal of tree cover fr	vestock which exceed		g capacity
				3 at 1 mark		[3]
	(ii)	polospobu	epletion of fish stocks; opulation increase; as of soil fertility/soil erosion; overty/4bn live on less than US\$2 uilding of roads/urban areas on fa	. .		
				2 at 1 mark		[2]
	(iii)	dewadehu	uch as: ss of habitats; eforestation; ater pollution; estruction of food chains; inting/poaching; pricultural activities such as pestio	cides/hedgerow remov	al	etc
				2 at 1 mark		[2]
(b)		Candida	ates need to select 2 problems ar	nd explain their causes	1.	
(~ <i>)</i>		Urban s Ideas su att na de	sprawl uch as: tractions of urban centres; tural population growth; emand for larger houses/more ga		-	

age 12	Mark Scheme		Syllabus	Pape
· J	Geography – June 200	4	0460	01
				•
High o	oncentrations of CO ₂			
_	such as			
	ndustrial pollution;			
	ransport;			
	purning of fossil fuels;			
	leforestation;			
	purning of forests etc.			
	•			
	estation			
Ideas :	such as			
	ncreased demand for agricultural land fo	or cash crops;		
• (se of land for ranching;			
• i	ncrease in population;			
• i	ncrease in logging;			
• i	ncreased world demand for timber;			
• (uarrying/mining;			
• r	oad building;			
• f	ooding land for HEP generation;			
	uel wood; etc			
Ch a uta	and of definition water			
	ges of drinking water such as:			
		d.		
	vater supplies limited in areas of deman	u,		
	opulation increases;	t/a a.v.a a.a.		
	ollution of river water - industrial effluen	n/sewage;		
	nadequate infrastructure/reservoirs;			
	ost implications;	tout a saft a sa		
	competition with other uses of water e.g.	irrigation;		
	limate problems - inadequate rainfall;			
	igh evaporation rates;			
• •	vastage etc			
Soil ei	osion			
Ideas :	such as:			
• (vercultivation;			
• (vergrazing;			
	nonoculture;			
• r	loughing up and down slopes;			
•	bandoning cultivated land - shifting cult	ivation;		
	leforestation/loss of roots to anchor soil;			
	ess interception;			
	planting in regions of unreliable rainfall;			
	mu forming:			

- dry farming;
- removal of hedges;
- heavy machines compact soils/increasing run-off

etc

[8]

4 at 1 mark or development for each of causes of two problems

(c) (i) Ideas such as:

• ultra-violet radiation/incidence of skin cancer

1 mark

reduction in use of CFCs

1 mark [2]

Page 13	Mark Scheme	Syllabus	Paper
	Geography – June 2004	0460	01

- (ii) Be prepared to accept a wide variety of points here though the following ideas are likely to be expressed on the importance of extending protected areas:
 - protection of fauna e.g. animals/birds;
 - protection of flora;
 - maintaining biodiversity;
 - limited/declining number of wilderness/protected areas;
 - importance for educational/research purposes;
 - importance for tourism;
 - legacy for future generations;
 - find plants/substances of medicinal use;
 - maintain oxygen/CO2 balance etc

The following ideas are likely to be expressed on the difficulties of extending protected areas:

- pressure from: energy production;
- industrial growth;
- urban growth;
- expansion of agricultural activities;
- demand for timber
- population pressure;
- prevalence of profit motive or e.g.;
- need for/difficulty of international agreement/cooperation;
- difficulty of changing mind sets;
- cost/physical difficulties of implementation

etc

8 at 1 mark or development with a MAXIMUM of 6 marks on importance/difficulties.

[8]

TOTAL 25 MARKS

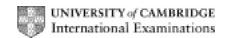
INTERNATIONAL GCSE

MARK SCHEME

MAXIMUM MARK: 60

SYLLABUS/COMPONENT: 0460/02

Geography Paper 2



	Page	1	Mark Scheme	Syllabus	Paper	
			Geography – June 2004	0460	02	
1.	(a)	(i)	313257			[1]
	` ,	(ii)	factory (sugar)			[1]
		(iii)	1830 – 1930 (m)			[1
		(iv)	51 - 53°			[1
		(v)	coconut and sugar			[1]
	(b)		quarrying, power station / electricity generation, factory, cultivation / plantation / sugar growing / coconut grow agriculture / farming /crop growing , water works / pumping station	ving /		
			dam = 0 sugar Mill = 0 nutmeg station = 0			
	(0)		oinoma (drivo in = 0.)	3 at 1 Ma	<u>ark</u>	[3]
	(c)		cinema (drive-in = 0) hotel, museum, library, theatre, zoo, botanical garden, golf = 0 market = 0 church = 0			
	(d)		chapel = 0 headland / point / promontory / peninsula bay / cove	<u>5 at 1 Ma</u>	ark	[5]
			sand / mud / beach cliff / steep slope (extract from names but not from Point Salines)			
				4 at 1 Ma	<u>ark</u>	[4]
	(e)		(Any three:)			
			follows valley / in a valley avoids steep slopes / keeps to gentle slopes / flat qualinks settlement / houses / villages / named settlement avoids highland / at foot of highland / keeps to low / a mountain parallel to slope / along slope	nts		FO
			(flat as possible / on flat / on level = 0)			[3]
				3 at 1 Ma	<u>ark</u>	

Page 2	Mark Scheme	Syllabus	Paper
	Geography – June 2004	0460	02

2.	(a) (b) (c) (d) (e)	Canada Bangladesh United Kingdom		[1] [1] [1]
			be done on insert. Use of other labels allowable but must be clear. If a raph (not a divided bar) allow max. 1 for one correct measurement.	[2]
3.	(a)	(i) (ii)	37% / 38% Between Secondary and Tertiary upward trend (line ends above 2000 level but not above 100%)	[1]
			Between Tertiary and Primary downward (line ends below 2000 level but not below 0%) 1 Mark each line	
	(b)		labour intensive, textiles / cloth / carpets / rugs / blankets etc intermediate technology / simple machines / old-fashioned machines / wooden machines cramped / crowded conditions, female workers / women, weaving / tapestry, small premises / small scale, little / no power, small workforce / 3 or 4 workers little capital	[2]
			Skill = 0 Tourist market = 0	

4.	(a)	reso	rt / seaside resort / holidays / tourism / fishing		
	(b)	(Any	v two:)		[1]
		cove gent	ch (therefore resort) / sand / shingle e / bay (therefore shelter) ele slope (for building) ey (for shelter) ter		
	(c)	stack arch fault beack cliff	/ cove dland / point / promontory k / island / stump / cave / crack / fissure ch / sand / shingle e cut platform	2 at 1 mark	[2]
				4 at 1 mark	[4]
5.	(a)	(i)	Mobile		
		(ii)	most of area on land used / oil on land exhausted oil on land therefore oil off-shore		[1]
	(b)		firm land / not in swamp / edge of swamp (dredged) channel to sea / estuary / sheltered harbour railway centre of many oilfields / near oilfields pipelines labour from Port Harcourt / town market in Port Harcourt / town reclaimed / cheap (swamp)	1 at 1 mark	[1]
				4 at 1 mark	[4]

Mark Scheme Geography – June 2004

Page 3

Syllabus 0460 Paper 02

6.	(a)		(must have key & o	rder correct)			
			•	% = 5 small squa % = 3 small squa % = 6 small squa	ares		
	(b)	(i)	A			2 at 1 mark	[2]
	(-,	(-)					[1]
		(ii)	В				
	(c)		others – more in A more recreation in A less demolished / d more housing in A less Manufacturing less Transport in A less Shops and Off	A / less in C lerelict in A / more / less in C in A / more in C / more in C			[1]
						3 at 1 mark	[3]
			OR by pairs of figur	es as follows:			
			other recreational demolished/derelict residential manufacturing transport offices/Shops	A% 10 11/12 1 / 2 49/50 11/12 6 10	C% 9 9 9 25/26 22 9 16		
7.	(a)		1961 <u>metres</u>				
	(b)		densely populated mainly below 1680 mainly Lower area near all-weather roanear tracks / footpain bush and scatter on gentle(r) slopes	m / 1830m ad ths			[1]
	(c)		none in (seasonal) none / few in forest none / few in bush none / few in highe none / few on steep	and scrub r / summits / com	paratively high	3 at 1 mark	[3]
						3 at 1 mark	[3]

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Syllabus 0460 Paper 02

INTERNATIONAL GCSE

MARK SCHEME

MAXIMUM MARK: 60

SYLLABUS/COMPONENT: 0460/04

Geography Paper 4



Que (a)	stion (i)	 I Ink will not be removed when raining II allows accurate reading of rainfall/equal volume 	2 @ 1 mark	[2]
	(ii)	Must be two different factors e.g. Away from buildings/away from trees/ in an open area; off the ground so no splash; away from people/not near where it can be knocked; sunken in ground for stability; on flat land;	2 @ 1 mark	[2]
(b)	(i)	Complete graph by marks at 12mm (airport) and 9mm (school) on Fig. 2	2 @ 1 mark	[2]
	(ii)	Any two comments e.g. on rain days six were under 5mm; two days of higher rainfall; six days of no rainfall recorded Credit only number of readings or when	2 @ 1 mark	[2]
	(iii)	49/14 = 3.5mm in Table 1	1 @ 1 mark	[1]
	(iv)	Must be comparative statements e.g. less days with no rainfall at airport; higher max rainfall recorded at airport; higher total; higher daily average rainfall at airport etc.	2 @ 1 mark	[2]
	(v)	 I Higher altitude brings more rainfall; explanation of concept (e.g. cools, condense and rains) II closer to the sea increases rainfall; explanation of concept (moist winds brought onshore and rising over land) or explanation of rain shadow 	for each idea one mark for simple statement and second mark for development	[4]
(c)	(i)	pointer indicates the direction the wind is blowing from ; the plate aids the turning of the pointer	2 @ 1 mark	[2]
	(ii)	3 days from north at school	3 @ 1 mark	
		2 days from north at airport	1 for each correct length 1 for appropriate width/overall presentation	[3]
(d)	Usin	gestion SW or S; g the data as evidence e.g. Day 7 and 8 have higher all at both locations from S/SW winds etc.	4 @ 1 mark max 1 no data res 1 suggestion	[4]
(e)	e.g. First grea Hypo S an Stan Data Stud char	6 @ 1 mark res 1 for hypothesis res 1 for evaluation res 1 for student error Max 4 if no data	[6]	

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Question 2						
(a)	(i)	no age/gender bias; representative sample	1 @ 1 mark	[1]		
	(ii)	not because it is 'random' or 'systematic' on own extra information may help analysis; maybe different results if repeated; number of people may change during the day; type of people may change during day accept examples if explained	2 @ 1 mark	[2]		
(b)	(i)	area around the park; where people live who visit the park	2 @ 1 mark	[2]		
		not distance as = range				
	(ii)	people will under estimate/overestimate; time will vary with mode of transport/traffic congestion; no idea of direction/location;	1 @ 1 mark	[1]		
	(iii)	"Where do you live?" or equivalent wording	1 @ 1 mark	[1]		
(c)	(i)	On Fig. 5 similar wording to:- "How did you travel to the park?" CAR BUS WALK TRAIN	1 mark for question 1 mark for transport 1 mark for layout	[3]		
	(ii)	e.g. If most people walked then smaller S.of I than if by public transport etc.	2 @ 1 mark credit development	[2]		
(d)	(i)	As overlay of circle 25% = 90° 60% = 216° 15% = 54°	3 correct angles 1 res title 1 res key 1 res use of key	[6]		
	(ii)	e.g. most people stayed 3 - 6 hours; Only 15%/fewer people stayed over 6 hours etc.	2 @ 1 mark	[2]		
	(iii)	e.g. Longer stay increases impact; longer stay increases litter; more trampling; more noise etc <i>not just 'pollution'</i> Only credit environmental impact	4 @ 1 mark credit dev of point up to 2 marks	[4]		
(e)	(i)	e.g. Toilets very good facility; Information about the area poor; most people were satisfied with the facilities etc.	4 @ 1 mark Either general or specific comment list = no marks	[4]		

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(ii)

boards;

Total 30 marks

[2]

2 @ 1 mark

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Paper

04

Put up more footpath signs; include more information

Credit only realistic and specific suggestions