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### for the guidance of teachers

## 2217 GEOGRAPHY

2217/13 Paper 1 (Geographical Themes), maximum raw mark 75

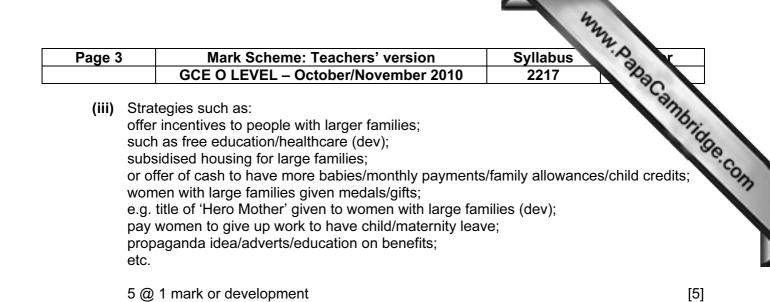
This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, 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.

CIE is publishing the mark schemes for the October/November 2010 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

Page 2		Mark Scheme: Tea E O LEVEL – Octob	chers' version er/November 2010	Syllabus 2217	b. Y
a) (i)	35 to 39				aCam
	1 mark				orig
(ii)	large amour		ally active in 2000 have	has wider apex/top to become old in 2050	bacannbrig o pyramid
				ges/young and old peo mid is narrower in rela	
	NB: A comp	arative element is no	eeded.		
	2 @ 1 mark				[2]
(iii)	higher taxati more money less pressur reduced sup less money racial tensio	rking population/wor ion/have to pay for p / has to be spent on e on job market/low oply of workers leads	rk harder/longer hours; bensions/government sp care homes/health car er unemployment/less s to increase in wages; s for economically activ	e/old peoples homes; competition for jobs;	
	3 @ 1 mark				[3]
(b) (i)	so there are birth rates a population is	more workers/to fill	-		
	3 @ 1 mark				[3]
(ii)	competition it may lead t and create r causes prop xenophobic fear of racia	for jobs; to increased crime; nore traffic congestionerty prices to fall; reaction/they are pro- l conflict			
	4 @ 1 mark				[4]



#### (c) Levels marking

#### Level 1 (1–3 marks)

Statements including limited detail explaining low rates of natural population growth. (e.g. children have to attend school, there is plenty of contraception, Many women work, low birth rate, high death rate, high cost of children, death rate is equal to birth rate. etc.)

Level 2 (4–6 marks) Max 5 if no example. 3 developed statements plus named example for 6 marks.

More developed statements explaining low rates of population growth.

(e.g. children have to attend school therefore large numbers create a greater economic burden, contraception is easily available in all parts of the country, many women are career minded so prefer to wait longer until they have children, developed reasons for high death rate and low birth rate. etc.)

Level 3 (7 marks) Must include place specific information.

Uses named example (e.g. France).

Comprehensive and accurate statements including some place specific reference.

(e.g. children have to attend school therefore large numbers create a greater economic burden, contraception is easily available even in rural area such as Massif Central as there are family planning clinics, in urban areas such as Paris many women are career minded so prefer to wait longer until they have children. Could also quote accurate population growth rates/dates for place specific. etc.) [7]

[Total: 25]

2 (a) (i) Area where town and countryside meet/edge of town/city etc.

1 mark

[1]

(ii) Golf course; Tennis courts; School/educational; Farm/agricultural; Housing/residential; Roads/streets;

2 @ 1 mark

[2]

Page 4	Mark Scheme: Teachers' version	Syllabus r
	GCE O LEVEL – October/November 2010	2217 230
con extr mor spo pres air p loss	as such as: struction noise/disturbance from noise; a traffic on roads/congestion; e dangerous to cross (dev); ils view/visual pollution; ssure on local schools/overcrowded classes; pollution from vehicles/machinery/lorries; of hedgrows/trees/wildlife/Greenland/open space/h poerty prices fall;	Syllabus 2217 abitats;
3 @	2 1 mark	[3
Adv Reta prev peo leac Pro May	as such as: <b>vantages:</b> ains rural/peaceful environment/stops excessive vents unsightly buildings being built; ple can easily access land for walking dog/cycling/ai I to increased property prices; vides clean air for city/stops/reduces air pollution; v contain water sources for city/no water pollution e.g be used for producing food/farming;	menity;
Mak less The enc Hav leac mak	advantages: tes expansion of urban area more difficult; land to build services e.g. schools; refore building of new housing is difficult/not enough ourages upward growth/high rise; te to live further away from city/development has to t ls to more traffic movement/congestion/more fumes/ tes construction of ring roads/by passes difficult/rail/ eased property prices;	be at other side of green belt; /air pollution from traffic;
	X 3 marks on Advantages/disadvantages No double credit.	
4 @	2 1 mark	[4
high flats hou off r high hou Fen B is	erences such as: n rise in A lower in B; s/apartments in A/housing in B; ses with gardens in B but not in A/more private space oad parking/drives in B but not in A; ner cost housing in B; ses in B have more land/area than A; ces in B none in A; more spacious/bigger than A/A is more crowded/de brightly coloured B is lighter/cream;	
NB:	Must be comparative and use evidence from the ph	otographs.
3 @	21 mark	[3

	Mark Scheme: Teachers' version	Syllabus r		
	GCE O LEVEL – October/November 2010	2217 23		
(ii) Idea	s such as:	Syllabus 2217 ev); lens;		
	quality of life is likely to be lower;	16		
	nere will be more noise from adjacent properties (de			
	homes are less spacious/overcrowded (dev);	ev);		
	In B people will have more land/be able to relax in gardens;			
	er unemployment in B;	6115,		
	refore people will have more disposable income/be	able to afford higher quality of li		
(dev		able to allord higher quality of h		
•	, e are more car owners in area B;			
	efore people have more mobility/do not have to rely	(on public transport (dev):		
uici	ple in Area B are likely to feel more secure;			
Pao				
As t	ney are surrounded by fences (dev)			
As t				

5 @ 1 mark or development

[5]

(c) Levels marking

Level 1 (1–3 marks)

Statements including limited detail describing a change in land use in a town or city and/or advantages and/or disadvantages of the change.

(e.g. loss of farmland, easy to go shopping by car, competes with businesses in centre etc.)

<u>Level 2</u> (4–6 marks) Max 5 if no example. 3 developed statements plus named example for 6 marks.

More developed statements about advantages and disadvantages of the change, along with some description of the change in land use.

(e.g. traffic congestion as many people who use new shopping centre travel by car, loss of farmland due to new shopping centre/road construction, atmospheric pollution from increased traffic, easy to go shopping by car as out of town centre has free car parking etc.)

Level 3 (7 marks) Must include place specific information.

Uses named example (e.g. Warsaw).

More developed statements about advantages and disadvantages of the change, including some place specific reference, along with some description of the change in land use.

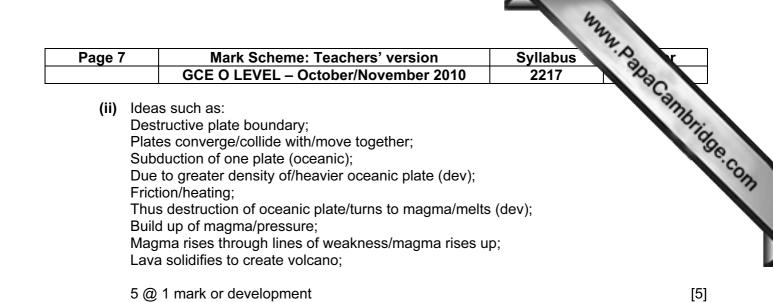
(e.g. building Arkadia shopping mall covering a total area of 287 000 m<sup>2</sup> the biggest shopping mall in Central Europe, disadvantage is: traffic congestion as many people who use new shopping centre travel by car, as there are 4000 free parking spaces which is an advantage, other advantages include: easy to go shopping as Arkadia is served by 15 bus routes and 10 tram lines, offers people greater shopping choice including Lacoste, Gant, Peek & Cloppenburg and Tommy Hilfiger, as well as high street chains like Zara, Espirit and Kappahl etc.)

NB: For level 3 must have advantage and disadvantage.

[7]

[Total: 25]

Page 6	Mark Scheme: Teachers' version Syllabus	Y
	GCE O LEVEL – October/November 2010 2217	2
(a) (i)	It had not erupted before/it was thought to be dormant/extinct/first recorded eru	amp
	1 mark	Tig
(ii)	Mark Scheme: Teachers' version Syllabus   GCE O LEVEL – October/November 2010 2217   It had not erupted before/it was thought to be dormant/extinct/first recorded eru   1 mark   Distance = 4 to 5 km   Direction = west	
	2 @ 1 mark	[2]
(iii)	Effects such as: damaged/destroyed buildings; towns had to be evacuated/people left the island; destruction of forests/trees; loss of farmland/crops; disruption of transport; tourists unlikely to visit; factories destroyed; jobs lost; economic decline/lowers GNP; impact on river; wildlife/habitats/ecosystems/food chains destroyed; etc.	
	3 @ 1 mark	[3]
(iv)	Ideas such as: they were not expecting the eruption/not predicted; were not prepared; they had no previous experience of dealing with volcanic eruption; it continued to erupt for over 2 years; it destroyed many houses/people homeless/have to rebuild houses; capital city affected therefore most important buildings lost; loss of business/income/earnings; no food available/loss of agricultural land/can't produce food/grow crops; small island so large proportion was affected; so aid difficult to reach; etc.	
	4 @ 1 mark	[4]
(b) (i)	Ideas such as: along plate boundaries/where plates meet; (Reserve 1 mark) e.g. down middle of Atlantic Ocean; around Pacific Ocean/west coast of Americas/East Asia; through Mediterranean/North Africa; East Africa is an exception.	
	NB: May use names of places or plates if relevant.	
	3 @ 1 mark	[3]



#### (c) Levels marking

#### Level 1 (1–3 marks)

Statements including limited detail describing causes of a flood, tropical storm or drought. (e.g. heavy rain, impermeable rocks, flood plains built on, for drought: a prolonged period of time without rainfall, delayed rainfall etc.)

Level 2 (4–6 marks) Max 5 if no example. 3 developed statements plus named example for 6 marks.

More developed statements describing causes of flood, tropical storm or drought.

(e.g. heavy rain falling over a relatively short period, impermeable rocks encouraging overland flow and rapidly raising river levels, underlying rocks river/constricting flow, for drought – late arrival of SW monsoon etc.)

Level 3 (7 marks) Must include place specific information.

Uses named example (e.g. Lynmouth floods).

Comprehensive and accurate statements including some place specific reference.

(e.g. thunderstorms associated with frontal depression formed torrential rain – 229 mm near Longstone Barrow on Exmoor, saturated from previous rainfall as it had rained for 12 of the previous 14 days, impermeable rocks of Exmoor encouraging overland flow and rapidly raising river levels, river had been diverted and its channel made narrower due to building of hotels in Lynmouth, bridges over river trapped boulders and formed temporary dams etc.) [7]

[Total: 25]

**4 (a) (i)** Physical = Freeze-thaw/exfoliation Chemical = Carbonation/oxidation

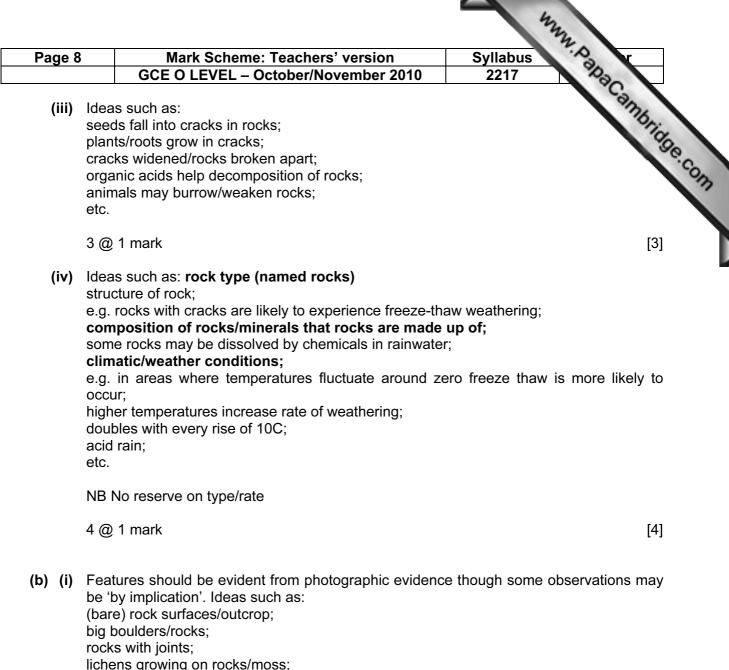
1 mark

[1]

(ii) Chemical weathering involves a change in (chemical) composition of rocks/physical does not involve chemical change/involves rocks breaking down into smaller particles.

2 @ 1 mark

[2]



lichens growing on rocks/moss; round/smooth rock surfaces; vertical/steep slopes; rolling hills/gentle slopes/farmland in the background/trees/woodland in background; eroded rock in middle/worn down in middle; different levels/steps; etc.

3 @ 1 mark

[3]

Page 9	Mark Scheme: Teachers' version	Syllabus	N.D
	GCE O LEVEL – October/November 2010	2217	No.
ansv Exp rain tem thus	didates should describe the process of freeze- wers or information included as part of labelled diag ect ideas such as: collects in cracks/joints; perature falls; water freezes; ands (dev);		

(ii) Candidates should describe the process of freeze-thaw weathering. Cre answers or information included as part of labelled diagrams (do not double created Expect ideas such as: rain collects in cracks/joints; temperature falls; thus water freezes; expands (dev); stress on cracks/joints; joints opened(dev)/therefore pressure on rock; meltina: more water enters the joints/repetition etc.

NB: Diagram must be labelled or link to answer.

5 @ 1 mark or development

[5]

(c) Levels marking

Level 1 (1–3 marks)

Statements including limited detail describing opportunities for people who live in chosen area. e.g. fast flowing river

(e.g. Scenic beauty, tourist industry, HEP, transport etc.)

Level 2 (4–6 marks) Max 5 if no example. 3 developed statements plus named example for 6 marks.

More developed statements describing opportunities for people who live in chosen area. e.g. fast flowing river

(e.g. Scenic beauty/tourist industry provides specified employment opportunities, HEP attracts industry/multiplier effect, downriver transport of logs etc.)

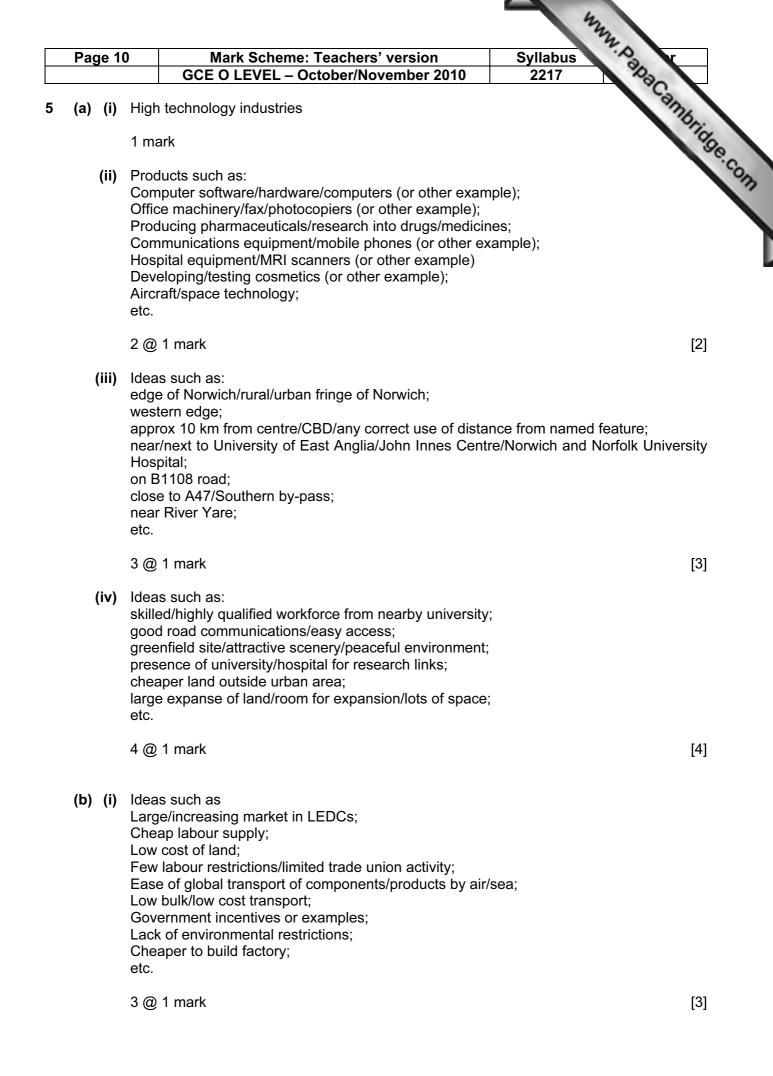
Level 3 (7 marks) Must include place specific information.

Uses named example (e.g. Montmorency River, Quebec).

Comprehensive and accurate statements including some place specific reference.

(e.g. Scenic beauty e.g. waterfall at Montmorency Falls; tourist industry provides specified employment, HEP generated for Quebec City, attracts industry/multiplier effect as smelting industries have been established close to where it joins St Lawrence river, downriver transport of logs from upper reaches to sawmills near Quebec etc.) [7]

[Total: 25]



Page 11	Mark Scheme: Teachers' version	Syllabus	N.
	GCE O LEVEL – October/November 2010	2217 23	
(ii) Idea	s such as:	Syllabus 2217 Anaco	m.
<b>、 /</b>	antages		10.
	e people in employment;		190
	er wages than existing work;		~
•	ovement in skills;		
•	ovements in transport e.g. roads/rail;		
	ovements in infrastructure e.g. electricity/water sup		
	g standard of living or specifics e.g. housing;		
	ovement in public services or specifics e.g. health of	care/education;	
	iplier effect;	·	
etc.			
Disa	advantages		
	oitation;		
Low	pay;		
Lon	hours;		

(c) Levels marking

etc.

#### Level 1 (1–3 marks)

Poor working conditions (or example);

Any specified pollution e.g. air pollution or effect;

Loss of rural land/farmland;

5 @ 1 mark or development

Water pollution; Noise pollution; Visual pollution;

Statements including limited detail explaining location of manufacturing/processing industry (e.g. large workforce, good transport links, cheap land, raw materials, energy supply, water supply, cheap labour, skilled labour etc.)

MAXIMUM 3 MARKS ON EACH OF ADVANTAGES and DISADVANTAGES

<u>Level 2</u> (4–6 marks) Max 5 if no example. 3 developed statements plus named example for 6 marks.

More developed statements explaining location of manufacturing/processing industry (e.g. large workforce with engineering skills, or from nearby (named) university, good rail links to raw material supplies, located on coalfield for energy supply, water supply to use in processing etc.)

<u>Level 3</u> (7 marks) Must include place specific information. For named example must state what and where it is.

Uses named example (e.g. sugar refining in Baltimore USA).

Comprehensive and accurate statements including some place specific reference.

(e.g. good motorway links to markets in large cities such as New York and Washington, adjacent port facilities for import of sugar cane from Caribbean, government grants due to investment in declining industrial areas, large areas of flat land adjacent to waterside for storage of raw cane, large workforce in urban area which has high unemployment rate due to recent industrial decline etc.)

NB: for place specific allow statistics/names of places/universities/airports etc. [7]

[Total: 25]

[5]

Page 1	2 Mark Scheme: Teachers' version Syllabus	2
	GCE O LEVEL – October/November 2010 2217	10an
(a) (i)	370 000 / 370 thousand	and,
	1 mark	19
(ii)	A = 1984/1987/1994/1998/ 2003 B = 1981/1982/198519901991/1992/2001	Papacambrio.
	2 @ 1 mark	[2]
(iii)	Overall increase; by 180 000/from 370 000 (1980) to 550 000 (2004); though not consistent/fluctuates; allow any correct intermediate years and amounts to illustrate the fluctuation NB: must show increase and decrease idea.	n; (MAX 1)
	MAX 2 on figures.	
	3 @ 1 mark	[3]
(iv)	Ideas such as: Increasing affluence/more money to spend; developments in air travel/airports; Investment in larger airline capacity/larger aeroplanes; Able to use low cost labour/land etc.; Tourists are being more adventurous/want new experience; More knowledge about distant locations/internet etc.	
	4 @ 1 mark	[4]
(b) (i)	Ideas such as: lack of skills/education/qualifications; large potential market/lots of rich people; can set up with no overheads/no need for premises/doesn't cost much to se immediate earnings; no need to pay tax; flexibility – no office hours; can't get any other jobs; etc.	et up;

3 @ 1 mark

[3]

5 @ 1 mark or development

[5]

#### (c) Levels marking

#### Level 1 (1-3 marks)

Statements including limited detail which explain why tourist industry developed. (e.g. hot weather, sunny, low rainfall, nice scenery, beaches, local culture, easy to get to etc.)

<u>Level 2</u> (4–6 marks) Max 5 if no example. 3 developed statements plus named example for 6 marks.

More developed statements which explain why tourist industry developed.

(e.g. long hours of sunshine especially June to September, average temperatures of over 20 °C during summer months, low rainfall April to Oct, clean blue seas, waterfront restaurants/bars, attractive headlands with cliffs, sheltered sandy bays ideal for sunbathing, ease of access via good roads and airport etc.)

#### Level 3 (7 marks)

Uses named example (e.g. Algarve). Must include place specific information.

Comprehensive and accurate statements, which explain why tourist industry developed, with some place specific reference.

(e.g. long hours of sunshine especially June to September, average temperatures of over 20 °C during summer months, low rainfall April to Oct, clean blue seas, waterfront restaurants/bars in resorts like Albufeira, attractive headlands with cliffs at Lagos, sheltered sandy bays ideal for sunbathing, ease of access via good roads and Faro airport etc.)

NB: Must refer to Natural and Built environment for Level 3.

[Total: 25]

[7]