



GCSE MARKING SCHEME

SUMMER 2018

GEOGRAPHY SPECIFICATION B COMPONENT 1 C112U10-1

© WJEC CBAC Ltd.

INTRODUCTION

This marking scheme was used by WJEC for the 2018 examination. It was finalised after detailed discussion at examiners' conferences by all the examiners involved in the assessment. The conference was held shortly after the paper was taken so that reference could be made to the full range of candidates' responses, with photocopied scripts forming the basis of discussion. The aim of the conference was to ensure that the marking scheme was interpreted and applied in the same way by all examiners.

It is hoped that this information will be of assistance to centres but it is recognised at the same time that, without the benefit of participation in the examiners' conference, teachers may have different views on certain matters of detail or interpretation.

WJEC regrets that it cannot enter into any discussion or correspondence about this marking scheme.

GCSE GEOGRAPHY B COMPONENT 1

SUMMER 2018 – MARK SCHEME

Instructions for examiners of GCSE Geography when applying the marking scheme

1 Positive marking

It should be remembered that learners are writing under examination conditions and credit should be given for what the learner writes, rather than adopting the approach of penalising him/her for any omissions. It should be possible for a very good response to achieve full marks and a very poor one to achieve zero marks. Marks should not be deducted for a less than perfect answer if it satisfies the criteria of the mark scheme.

GCSE Geography marking schemes are presented in a common format as shown below:



2 Tick marking

Low tariff questions should be marked using a points-based system. Each credit worthy response should be ticked in red pen. The number of ticks must equal the mark awarded for the sub-question. The mark scheme should be applied precisely using the expected outcomes box as a guide to the responses that are acceptable. Do not use crosses to indicate answers that are incorrect. If the candidate has not attempted the question then the examiner should strike through the available dotted lines with a diagonal line.

3 Banded mark schemes

Banded mark schemes are divided so that each band has a relevant descriptor. The descriptor for the band provides a description of the performance level for that band. Each band contains marks. Examiners should first read and annotate a learner's answer to pick out the evidence that is being assessed in that question. **Do not use ticks** on the candidate's response. Once the annotation is complete, the mark scheme can be applied. This is done as a two stage process.

Stage 1 – Deciding on the band

When deciding on a band, the answer should be viewed holistically. Beginning at the lowest band, examiners should look at the learner's answer and check whether it matches the descriptor for that band. Examiners should look at the descriptor for that band and see if it matches the qualities shown in the learner's answer. If the descriptor at the lowest band is satisfied, examiners should move up to the next band and repeat this process for each band until the descriptor matches the answer.

If an answer covers different aspects of different bands within the mark scheme, a 'best fit' approach should be adopted to decide on the band and then the learner's response should be used to decide on the mark within the band. For instance if a response is mainly in band 2 but with a limited amount of band 3 content, the answer would be placed in band 2, but the mark awarded would be close to the top of band 2 as a result of the band 3 content.

Examiners should not seek to mark candidates down as a result of small omissions in minor areas of an answer.

Stage 2 – Deciding on the mark

Once the band has been decided, examiners can then assign a mark. During standardising (marking conference), detailed advice from the Principal Examiner on the qualities of each mark band will be given. Examiners will then receive examples of answers in each mark band that have been awarded a mark by the Principal Examiner. Examiners should mark the examples and compare their marks with those of the Principal Examiner.

When marking, examiners can use these examples to decide whether a learner's response is of a superior, inferior or comparable standard to the example. Examiners are reminded of the need to revisit the answer as they apply the mark scheme in order to confirm that the band and the mark allocated is appropriate to the response provided.

Indicative content is also provided for banded mark schemes. Indicative content is not exhaustive, and any other valid points must be credited. In order to reach the highest bands of the mark scheme a learner need not cover all of the points mentioned in the indicative content but must meet the requirements of the highest mark band. Where a response is not creditworthy, that is contains nothing of any significance to the mark scheme, or where no response has been provided, no marks should be awarded.

Theme 1, Question 1

Q1 (a) Study Fig 1.1. (i) India is an example of Tick (✓) one of the defin	A01	A02.1	A02.2	803	AO4	Total	
Credit this response only.	Newly industrialised companyNewly industrialised country✓Non-industrialised country	1					1

	e contains six statements abou e three correct statements.	t Fig 1.1. Only three	a AO1	AO2.1	AO2.2	AO3	AO4	Total
Credit these responses only. One mark for each correct response.	Children aged 0-14 form the largest age groups in both India and the UK. India has more females than males in the 10-14 age group. The UK has more females than males aged 75 and over. The UK has a greater proportion of its population aged over 70 than India. There are 63 million people aged 0-4 in India. There are approximately 4 million people aged 0-4 in the UK.	Tick (✓) three					3	3

Q1 (b) (i) Calculate the different in 1981.	nce between male and female literacy	AO1	AO2.1	AO2.2	AO3	AO4	Total
Credit correct response only for one mark. Accept response placed in the table. No working out required.	29. (1)					1	1

Q1 (b) (ii) What has happene female literacy?	1 (b) (ii) What has happened to the difference between male and male literacy?		AO2.1	AO2.2	AO3	AO4	Total
Credit one valid statement. Allow use of figures.	Gone down / Reduced / By 11% (1)					1	1

Q1 (b) (iii) Give one reason why improve benefit countries like India.	Q1 (b) (iii) Give one reason why improving adult literacy rates would benefit countries like India.					AO4	Total
This question targets the concept of levels of development. Credit one mark for a valid statement and up to one mark for its development. Do not allow a mark for defining adult literacy.	A high literacy rate means more workers can be employed in high technology jobs (1) which earn more money for the country (1)		2				2

Q1 (b) (iv) Give one e country's level of deve	economic indicator that is used to measure a elopment.	A01	AO2.1	AO2.2	AO3	A04	Total
Credit one valid statement with one mark.	Possible answers include : GNI (Gross National Income) GNP (Gross National Product) PPP (Purchasing Power Parity) GDP Inflation level % unemployment Economic structure of employment Do NOT allow HDI as it is not just economic.	1					1

Q1 (c) (i) have stu		be the pattern of imports and	l exports of one NIC you	A01	AO2.1	A02.2	AO3	AO4	Total
Use a ba from the Band 2		Band descriptor Elaborated statements which demonstrate detailed knowledge of	Must be a NIC – do not allow LIC. (Apply professional judgement. Use list on page 29 of the specification as a guide.)	4					4
	1.0	trade pattern. Clear reference should be made to figures/goods/country of imports and exports.	Named e.g. China imports services from the UK. China imported £1.2 billion of goods from the UK and exported						
1	1-2	Simple statements which demonstrate knowledge of imports or exports. Reference may be made to figures/goods/country of imports <u>or</u> exports. Response may be more generic than specific.	the UK and exported £3.9 billion of goods. Should refer to specific named imports and exports between countries.						
	0	Award 0 marks if answer is incorrect or wholly irrelevant.							
If incorre	ect or no	country = 0 marks							

Q1 (c) (ii) Explain why the UK r	oort goods.	A01	AO2.1	AO2.2	AO3	AO4	Total	
This question targets AO2.1 the	e concept of interdepen	dence.		6				6
Use a banded mark scheme. We lowest band. Band Mark Band descrift 3 5-6 Thorough and understandir reasons for the exports inclusive reasoning. 2 3-4 Elaborated us the reasons and exports. 1 1-2 Simple, valid demonstrate understandir imports/exponsed to imports or to import o	Vork upwards from the ptor d elaborated g of a range of <u>both</u> imports and des chains of nderstanding of for <u>both</u> imports May lack balance. statements that a basic g of rts. May only refer exports. ks if answer is vholly irrelevant.	Responses sho understanding and exports. Trade can be in such as tourism Points may inc UK cannot prod needs such as food such as in bananas. By buying good can purchase of wider choice of UK exports inc petroleum, med instruments.	of th n the n or lude duce raw on o ds fro chea r of k lude	dem e rea e forr finar : all t mate re, c om a per (oette cars	ason n of ncial he g erials offee broa good r qua s, ma	oods s and s and s and s, tea ad the s, wi ality. achin	r imp ices s it d sor a, e UK ith a iery,	orts

•	Q1 (d) (i) Study Fig 1.3. Describe the pattern of Fairtrade export countries and Fairtrade mport countries. Use evidence from Fig 1.3 only.				AO3	AO4	Total
Credit up to three simple valid statements each worth one mark. Max 2 marks if answers only refer to either export or import countries. Max 2 for list Qualification of pattern required for 3 rd mark	Export countries are located in the continents of South America/Africa/Asia. (1) Import countries are located in North America/Europe/Australasia. (1) Many export countries lie between the Tropics of Cancer and Capricorn (1) whereas the import countries are in higher latitudes.(1) Qualification statement of pattern (1) e.g. Uneven, mainly, mostly					3	3

Q1 (d) (ii) Give two fea	tures of Fairtrade.	A01	AO2.1	AO2.2	AO3	AO4	Total
Credit up to two valid statements, each for one mark.	Fairtrade Foundation begun in 1992. (1) Fairtrade mark guarantees a better deal for farmers. (1) They have more security (1) can plan ahead.(1) They may work as a co-operative. (1) They may be able to borrow money (1) to invest in new technology. (1) Fair price (1) They may receive a Fairtrade Premium (1) which can be used for local projects. (1) Any appropriate Fairtrade product (1)	2					2

merger	ncy aid.' l	n development aid is more effecti Jse the information in Figs 1.4-1.6 ou agree with this statement. Just	6 to help you	A01	A02.1	A02.2	AO3	AO4	Total
							8		8
	anded ma st band. Mark 7-8	 Band descriptor Exceptional application of knowledge and understanding. Comprehensive chains of reasoning provide sophisticated analysis. Balanced and coherent appraisal draws together wider geographical understanding to justify decision. 	 This question requires candidates to synthesise links between different areas of knowledge and understanding and apply understanding to analyse novel information that requires judgement. All elements of A are targeted. Responses should apply their knowledge understanding to the issue of aid and evaluate the relative importance of both short-term and long-term aid. They should make a judgement supported by a rational Long-term development aid might include 						this AO3 and dale.
3	5-6	 Thorough application of knowledge and understanding. Chains of reasoning provide elaborated analysis. Balanced appraisal draws together wider geographical understanding to support decision. 		istair caus nolog w cos whol e thos	nable s in F se the gy pi st bu e co se sl	e. Fig.1 ey ca rovid it cai mmu howr	.5 ar an us led a n imp unitie n hav	re se it prove es. ve a	9
2	3-4	 Sound application of knowledge and understanding. Some connections provide valid but limited analysis. Limited appraisal uses wider geographical understanding to support decision. 							e itur elo ally.
1	1-2	 Some basic application of knowledge and understanding. Basic level of meaning ascribed to the information/issue. Limited and weak appraisal uses some wider geographical understanding to support decision. 	 Projects suc 1.6 can be f government a country ca <u>Short-term emerge</u> Effective becau crisis such as T Has more of a s development ai 	unde s ov an pl <u>ncy a</u> se it ypho short d.	ed by er a an fo <u>aid</u> is a is a con l tern	y NG peric or its migh resp Haiya n imp	O's od of futu it inc oonse an. oact	and f time re. lude e to a than	e so
	0	Award zero marks if answer is incorrect or wholly irrelevant.	 Aid sent by cou important becau the immediate r people such as May be organis be seen as mor areas that are p Effective becau may not be able specialist equip support like that 	use i food ed b e im politic se th e to p men	t car s of d and y NC parti cally ne af provi t or o	n be vuln d she GO's al, e sens fecte de th expe	targe erab elter. which spector sitive ed co ne ne ertise	eted le ch ca cially e. ountr ecess so	at in y sar

After awarding a level and mark for the geographical response, apply the performance descriptors for spelling, punctuation and the accurate use of grammar (SPaG) and specialist terms that follow.

Band	Marks	Performance descriptions
High	4	 Learners spell and punctuate with consistent accuracy Learners use rules of grammar with effective control of meaning overall Learners use a wide range of specialist terms as appropriate
Intermediate	2 - 3	 Learners spell and punctuate with considerable accuracy Learners use rules of grammar with general control of meaning overall Learners use a good range of specialist terms as appropriate
Threshold	1	 Learners spell and punctuate with reasonable accuracy Learners use rules of grammar with some control of meaning and any errors do not significantly hinder meaning overall Learners use a limited range of specialist terms as appropriate
	0	 The learner writes nothing The learner's response does not relate to the question The learner's achievement in SPaG does not reach the threshold performance level, for example errors in spelling, punctuation and grammar severely hinder meaning

End of Question 1

Theme 2: Changing Environments

	e by a number of different processes. and tails' definitions below. Add the number of the oxes below.	A01	AO2.1	AO2.2	AO3	AO4	Total
Credit these responses only. One mark for each correct response.	A=2 (1) B=4 (1) C=3 (1) D=1 (1)	4					4

	edit one mark for th correct label. TL=overhanging rock (1) BL=fallen debris (1) TR=gorge (1)		AO2.1	AO2.2	AO3	AO4	Total
Credit one mark for each correct label.	BL=fallen debris (1)	4					4

Q2 (b) Study Fig 2.2. (i) Complete Fig 2.2 by a	dding the following info	rmation.	A01	AO2.1	AO2.2	AO3	AO4	Total
Credit one mark for accurate drawing of	Accurate drawing on t	he graph.					1	1
bar. Does not have to be	Hours from start of storm	Rainfall in mm						
shaded in.	3	11						

Q2 (b) (ii) Calculate the total the hydrograph. Show your w	rainfall that fell during the storm shown in orking in the space below.	AO1	A02.1	A02.2	AO3	AO4	Total
Credit this response only for one mark. Credit one mark for correct working. Allow max one mark if no working is shown.	48 (1) 4+8+11+15+10 (1)					2	2

labelled on Fig 2.2. Comp									Total
Credit one mark for each correct response.	Feature	Letter from diagram						3	3
	Rising limb	В							
	Flood level								
	Falling limb	D							
	Peak discharge	С							
	Baseflow	A							

	lag time (difference in hours between peak ge). Show your working in the space below.	A01	AO2.1	AO2.2	AO3	AO4	Total
Credit one mark for correct working. Allow max one mark if no working is shown.	4 (1) 8-4 (1) Also accept 5 (1) 8-3 (1) Accept anything between 3.0 and 4.0					2	2

Q2 (b) (v) Explain one p causes lag times to vary	it one mark for a factor and oneExamples may include: Vegetation (1) slows infiltration and increases lag time (1) 			AO2.2	AO3	AO4	Total
Credit one mark for a valid factor and one mark for an elaboration.	Vegetation (1) slows infiltration and increases lag time (1)			2			2

Q2 (c) E	xplain wł	ny urbanisation can increase	e the risk of river flooding.	AO1	AO2.1	AO2.2	AO3	AO4	Total		
		gets understanding of the in ad river processes.	terrelationship between			6			6		
Use a ba from the Band 3		Band descriptor A sophisticated response where the	Likely to include some of Urbanisation usually invo tarmac which create impe water gets to rivers faster Infiltration is reduced and	lves erme r I suri	usin eable face	g co surf	ncre	te ar s so			
		candidate shows a clear understanding of fluvial processes through relevant chain(s) of reasoning, including the correct use of terms.	 so water gets to rivers quicker. Rapid increase in discharge leads to a bank full situation and flooding. Urbanisation may also involve cutting down trees/reducing exposed soil which reduces interception and infiltration. Water may be put back into rivers from factories 								
2	3-4	Elaboration in the response shows understanding. May have a chain in reasoning	and towns so discharge v Gutters and drains take v and into rivers much mor processes. Drains and pipes may no	vatei e qu	r awa ickly	ay fro thar	n nat	ural	;		
1	1-2	Valid but basic points are made with no elaboration.	sudden torrential downpo surface run-off.	ours	leadi	ng to	o inc	reas	ed		
	0	Award 0 marks if answer is incorrect or wholly irrelevant.	or								

		2.3 and 2.4 iion shown in Fig 2.4.		A01	AO2.1	AO2.2	AO3	AO4	Total	
							8		8	
Use a ba from the Band 4		 Band descriptor Exceptional application of knowledge and understanding. Comprehensive chains of reasoning provide sophisticated evaluation and analysis. Balanced and coherent appraisal draws together wider geographical understanding. Thorough application of knowledge and understanding. Chains of reasoning 	This question requires links between different understanding and app analyse novel informat judgement. All element Responses should app understanding to the is evaluate the relative in <u>View</u> Agree • Does not involve which could be for health and of • Storm Desmont event, so may people's lifetim	: are oly the tion ts of bly the ssue npor ve sp use educe ad wa not h	as o his u that f AO neir l of fl tanc cation as a	f kno nder requ 3 are (now oods e of ling p sewh n. 1 in	o sy owled stan ires targ /ledg both both	dge a ding geteo ge an d viev c mo such year	sise and to d. d. vs.	
2	3-4	 provide elaborated evaluation and analysis. Balanced appraisal draws together wider geographical understanding. Sound application of knowledge and understanding. Some connections provide valid but limited evaluation and analysis. Limited appraisal used wider geographical understanding. 		ail ir as s into e's liv ct. id bu	n exc show cons ves a usine vill fii	eption in in sider and p esses nd it	onal Fig 2 ation propo	2.3 in the erty i ch as	the d or	
1	1-2 0	 understanding. Some basic application of knowledge and understanding. Basic level of meaning ascribed to the information/issue. Limited and weak appraisal uses some wider geographical understanding. Award zero marks if answer is incorrect or wholly 	 Does not consi environmental The article sug tourist destinat could suffer if r Does not take human impact 	aridding Hotel will find it very hard expensive to insure their propert s not consider the economic or ronmental implications of a flood. article suggests that this is a pop st destination, so local economy d suffer if nothing is done. s not take into consideration the an impact of living with uncertain ecially for those affected in 2015.						

End of Question 2

Theme 3: Environmental Challenges

global water resour	entences that follow using four words or phrases	A01	AO2.1	AO2.2	803	AO4	Total
Credit these responses only. One mark for each correct response.	agriculture (1) GNI(1) more (1) footprint (1)	4					4

Q3 (a) (ii) Give one reas countries.	on why water security is important to all	A01	AO2.1	AO2.2	AO3	AO4	Total
This question assesses understanding of the concept of water security. Credit one mark for a valid statement and one mark for an elaboration.	A country needs enough clean water supplies (1) for sanitation/drinking/ agriculture/industry (1)		2				2

Q3 (a) (iii) For a named place, de supply has been managed.	scribe how the problem of water	A01	AO2.1	AO2.2	AO3	AO4	Total
Credit up to 4 valid statements, each for 1 mark. Or 2 elaborated statements (1+1)(1+1) (1+1+1) Maximum of 2 marks if no place is clearly identified. Credit responses that use a whole country, region or locality. Allow references to solutions to the problem of desertification in a named place, such as magic stones.	Water is supplied from river/reservoir (1) Water is abstracted from the ground (1) Water is transferred from a place (1) Water is managed at the local scale (1) for example by rainwater harvesting (1)	4					4

Q3 (b) (i) Study Fig 3.2. Name the only country th less than 10% of water u	nat uses over 700 m ³ /year per person and se is in homes.	A01	AO2.1	AO2.2	AO3	AO4	Total
Credit this response only.	Egypt (1)					1	1

Q3 (b) (ii) Select an appropriate to represent the data for % water us Explain why your chosen techniq	0	A01	AO2.1	AO2.2	AO3	AO4	Total
Credit up to 4 valid statements, each for 1 mark. Or 2 elaborated statements (1+1)(1+1) No mark for ticking the box. If a line graph is chosen award no marks. Credit positives (+) and negatives (-) Use professional judgement.	Line Graph (-)Not an appropriate choice because the data is discrete. (-) Line graphs should only be used with continuous data. <u>Bar graph</u> (+)Would show the differences between countries (-) but would need to have one for each type of use which makes interpretation difficult. (+)Could use divided/proportional bar graphs to show the different uses. <u>Pie charts</u> (+)Show percentages clearly. (+) Simple to construct and would enable comparison. (+)Could be located on a world map to give a spatial dimension. (-) no raw data. <u>Triangular graph</u> (+)Would be an appropriate choice as it would use each water sector as a single axis. (-)Difficult to draw and interpret. (-) It is probably not as clear as pie charts.					4	4

Q3 (c) (i) Study the two satellite images in Fig 3.3 and 3.4.They show a lake (in blue) which is shrinking due to evaporation and increasing demand for water.Describe how Lake Chad has changed. Use measurements in your answer.		AO1	AO2.1	AO2.2	AO3	AO4	Total
Credit three valid statements each for one mark. Max 2 marks if figures not used. Allow figures based on understanding of scale. Allow any reasonable measurement for distance. Only accept 35 years for change of time.	Reduced in size (1) in 35 years(1) Used to extend from Niger in the N to Cameroon in the S (1) Area of open water reduced (1) by approximately 75% (1)					3	3
Q3 (c) (ii) Explain why ov both people and the envi	ver abstraction of water causes problems for ronment.	A01	4O2.1	4O2.2	4O3	404	Total

				4	4	4	4	4	Η
This question targets understanding the concept of over abstraction of water.					6				6
Use a ba from the Band		hark scheme. Work upwards band. Band descriptor	Responses could refer t as Lake Chad, Mediterra UK rivers.				•		
3	5-6	Thorough and elaborated understanding of the problems caused by over abstraction. Includes chain(s) of reasoning. Refers to impacts on both people and environment.	People Leads to unreliable sour they have to use unsafe Desalinisation is an exp piping in water from else If reservoir levels are re- impact on tourism and le <u>Environment</u>	e sup ensiv ewhe duce	plies ve al ere. ed it i	s. terna may	ative have	as is	
2	3-4	Elaborated understanding of the problems caused by over abstraction for both	Negative impact on eco- birds and fish species. Lakes may seasonally d In areas of high evapora	lisap	pear			wetla	and

1	1-2	people and environment. May lack balance. Simple, valid statements that demonstrate a basic	salinization of soils. Sinking water tables can affect river discharge patterns. Modifies the habitat of rivers by altering width, depth and velocity.
		understanding of the problems. May only refer to a single impact and lacks elaboration.	May affect water quality as pollutants are not diluted as much. May lead to reduction in dissolved oxygen level
	0	Award 0 marks if answer is incorrect or wholly irrelevant.	which affects fish such as salmon.

levels

		ne be re-opened? Consider the ad economic impacts of your de		A01	A02.1	A02.2	∞ AO3	A04	& Total	
Jse a ba	anded ma	ark scheme. Work upwards	This question requires of				/nthe	sise		
	lowest b		between different areas							
Band 4	<u>Mark</u> 7-8	 Band descriptor Exceptional application of knowledge and understanding. Comprehensive chains of reasoning provide sophisticated analysis. Fully balanced and coherent appraisal draws together wider geographical understanding to justify decision. 	 understanding and apply this understanding to analyse novel information that requires judgement. All elements of AO3 are targeted. Responses should apply their knowledge and understanding to the issue of ecosystems under threat and evaluate the relative importance of social environmental and economic implications of the pipeline. They should then make a decision about th statement which is supported by a rationale. <u>Social impacts</u> might include Their food source is contaminated so have the look for alternatives. They may have to move away so their whole culture could be adversely affected. Increased conflict between indigenous people and the government who may not benefit from the pipeline and want it permanently shut. Environmental impacts might include Catastrophic effect on plants and animals. Rare species could become extinct. Problem has not been contained and will spread through flooding. Leaks occur on a regular basis suggesting poor maintenance and likely to happen again. Oil will seep into the soil causing even more damage. Take a long time to recover. Economic impacts might include Country losing money while pipeline is closed. Will also lose money if the extension is not built. 							
3	5-6	 Thorough application of knowledge and understanding. Chains of reasoning provide elaborated analysis. Balanced appraisal draws together wider geographical understanding to support decision. 								
2	3-4	 Sound application of knowledge and understanding. Some connections provide valid but limited analysis. Limited appraisal used wider geographical understanding to support decision. 								
1	1-2	 Some basic application of knowledge and understanding. Basic level of meaning ascribed to the information/issue. Limited and weak appraisal uses some wider geographical understanding to support decision. 	 Peru is an LIC s to develop. Ecuador will als Some job losse very little alterna rainforest area. If water remains lose trade. Could discuss th happens again. 	o suf s if pi ative s pollu	fer if pelin empl uted,	it is r e clo oyme local	not re ses - ent in fishe	e-ope - may a erme	ned / be	
	0	Award zero marks if answer is incorrect or wholly irrelevant.								

End of Question 3