wjec cbac

GCSE MARKING SCHEME

SUMMER 2018

GCSE (NEW) GEOGRAPHY - UNIT 3 NEA 3110U30-1

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.

WJEC GCSE Geography Summer 2018 Mark Scheme - Unit 3 NEA

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:

Г

This box contains the sub-question.		The colum the assess targeted by mark tariff.	ns to ment / the /	the i obje ques	right ective stion	indie e(s) and	cate its	
3 (a) (i) Describe the location of	the island of Lefkad	da.	A01.1	A01.2	AO2	AO3	SPAG	Total
Credit up to two valid statements based on map evidence. Credit accurate use of compass points max 1. Credit accurate use of scale line max 1.	In western Greec Sea (1) north of C 275km (+/-10) fro 280km (+/-10) fro (1)	restern Greece (1) In Ionian (1) north of Cephalonia (1) km (+/-10) from Athens (1) km (+/-10) from Thesaloniki				2		2
This box contains the rationale it explains the principles that mu- be applied when marking each sub-question. The examiner mu- apply this rationale when apply the marking scheme to the response.	i.e. Just Ist ng Ist responses questions, indicate th more oper illustrate a worthy. It r examiner's read. For t indicative under Ban	ontains the candi for point-based r those with a close e only response to nended sub-quese number of likely may be that this lises conference after boanded mark scher content. For furth ded mark schem	dates narki ed qu hat is tions respo st wil actu emes er de es Sta	s' exp ng. F uesti s acc this onse l be al so this tails age	oecto For s on, t box box s that exte cripts box see 2.	ed ome his b ble. will at are ndec s hav con belo	e sub pox v For d at t ve be tains	- vill dit he en

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 subquestion. 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 a range of 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.

4. Assessing Writing

The quality of writing is assessed through two separate strands:

- (i) Communicating and organising
- (ii) Writing accurately
- (i) **Communicating and organising** is assessed in items that have a tariff of 6, 8 or 10. These responses should be viewed holistically when deciding on a mark band (see stage 1 above). The definitions below clarify what is meant by the terminology in these descriptors.

Meaning: to have clarity the text must be legible. The meaning of statements should be clear and not require re-reading to make sense.

Purpose: the response should take into account what is required by the question. For example, evaluation requires consideration of pros/cons or the justification of a decision may be assisted by arguments. A suitable tone is adopted for reporting on scientific investigation in Unit 3.

Structure: well-planned responses have an overall structure with use of paragraphs to indicate portions of the response such as introduction, main arguments and conclusion. Chains of reasoning provide a logical structure within paragraphs. Signposting links sections together and is used to assist the reader.

(ii) Writing accurately takes into account the candidate's use of specialist language. It also takes into account the accuracy of the candidate's spelling, punctuation and grammar. This assessment is restricted to specific items (one item in each unit). The descriptors for writing accurately are printed in the mark scheme for each relevant item. In applying these descriptors learners may only receive marks for responses that are in the context of the demands of the question; that is, where learners have made a genuine attempt to answer the question.

UNIT 3 MARK SCHEME

SECTION A

1. (a) F s E	A01.2	A 02	803	Accuracy	Total						
				4				4			
Use the c the lowes incorrect	descriptors at band. Av or wholly	s below, working upwards from ward 0 marks if the answer is irrelevant.	Specific reasons for measuring flows more than once: - flows vary from place to place e.g. across a								
Band	Marks	Descriptor	 shopping centre or across a river channel; flows vary at different times of a day / week e in response to weather; some flows fluctuate over short periods of time.g. wind speeds or traffic. Taking further measurements, then taking a mean will take 								
2	3-4	The response provides a clear explanation of one or more specific reason(s) that show understanding of variation in flows.									
1	1-2	Simple statements that give general reason(s) with little (or no) elaboration.	General reasons for more than one readi				lina miaht				
	0	Award 0 marks if the answer is incorrect or wholly irrelevant.	 include: to obtain more data to improve validity to overcome the danger of 'chance' readings suitability of the method to answer the intended question. 								
Credit an but it is d flows.	swers in E eveloped	and 2 that offer only one reason in depth so long as it is specific to									

								1		
 (b) Use this list to name one type of sampling technique that you used in your investigation. Identify the strengths and weaknesses of your sampling technique for measuring flows. 				A01.2	A02	A03	Accuracy	Total		
					6			6		
Band	Marks	Descriptor	Systematic Sampling Strengths: Quicker, easier a	and n	nore	conve	enien	t to		
		The response identifies specific strength(s) and weakness(es)of a sampling technique that is suitable for	accurate because avoids the the random sample selects to from one part of the distribut	 can be more possibility that y examples 						
3	5-6	measuring flows. Meaning is clear. The response has purpose, is	 Accurately reflects continuous changes in variables e.g. velocity across river channel or wind speed in dune transect. 							
		organised and well structured.	Weaknesses: Can inadvertently pick up bias, e.g. sampling every 50m may also coincide with main							
2	3-4	The response identifies some relevant strength(s) and/or weakness(es) with reference to flows. Meaning is generally clear. The	- access at regular intervals along a river to measure flows may be impossible due to private land ownership / dangerous steep river banks.							
		response is structured. Simple statements based on	Opportunistic Sampling Strengths: Allows access to river sites that are safe or on public land Image: Strength streng							
1	1-2	strength(s) and / or weakness(es) which may not be specific to flows. Meaning	- less time consuming / easiest method to use. Weaknesses: Data is unlikely to accurately							
		may lack clarity in parts. Statements are linked by a basic structure.	Random Sampling							
	0	Award 0 marks if the answer is incorrect or wholly irrelevant.	Strengths: Removes human bias involved in the selection process of sites to measure flows of traffic or people where students might be tempted to							
Examiners must be satisfied that the candidate is			hypothesis e.g. pavements are busiest outside chain stores.							
measurin	g flows to	award level 2 or 3.	Weaknesses: If sample size might obtain an unrepresent	e is quative	uite s resu	mall <u>y</u> It	/ou			
Do not cr	edit namir	ng the technique.	Stratified Sampling Strengths: Ensures all areas/types/categories are represented. For example, stratified sampling would ensure that traffic flows are measured on a variety of different types of road OR it would ensure wind							

and in troughs.

speed measurements were taken on dune ridges

Weaknesses: Difficult to know exactly which subsets of data you want to include without a pilot

- Access to specific sites along a river to measure

study or prior use of secondary data

Do not credit name of sampling technique

flows may be a problem.

 (c) Evaluate the use of secondary data when investigating geographical flows. 							803	Accuracy	Total				
						6			6				
	Use the d lowest ba wholly irre	escriptors nd. Awarc elevant.	below, working upwards from the dominant of the dominant of the answer is incorrect or	Evaluation must include specific reference to secondary data used to support an investigation of flows.									
	Band	Marks	Descriptor	Spacific strangths	may	inclu	dor						
	3	5-6	The response provides clear and detailed evaluation of specific strength(s) and weakness(es) of using secondary data when investigating flows. (balance is not required).	Specific strengths Secondary data on r from a named websi to primary data to he of antecedent weath the river. Such data advantages:	arge (be cone the ons of ober c	ae: Irge (sourced e compared the impact ns on flow of ber of							
			Meaning is clear. The response has purpose, is organised and well structured.	 the websites publis allow reliable conclu they remove the satisfies 	lish scientific research s clusions to be drawn safety risk of entering a								
	2	3-4	The response provides some evaluation of relevant strength(s) and/or weakness(es) of secondary data with reference to flows. Meaning is generally clear. The	river when it is in flood. (s) dary shops is available on the engine. This shows flows				od. ut footfall outside major n the google search flows at different times					
			response is structured.	of day and for differe	erent days of the week.								
	1	1-2	Simple statements based on general comments about strength(s) and / or weakness(es) of secondary data which may not be specific to flows.	general and / or dataThese can be compared with to analyse patterns and trends the google data has significan disadvantages – it has no sca available for selected location				red with primary data nd trends. However, significant Is no scale and is on I locations.					
		Statements are linked by a basic structure.		Expect references to OS maps and Google Maps.									
		0	Award 0 marks if the answer is incorrect or wholly irrelevant.				de:						
				- saves time and mo	ney								
				- accessibility of data	a on i	ntern	et						
				- allows comparisons locations	s witł	n mar	ny oth	er					
				General weaknesse	es m	ay in	clude):					
				- inappropriateness field locations	- not	direc	tly lir:	iked t	to				
				- data may be unrelia	able	or out	t of da	ate.					

End of Section A

SECTION B

2. (a) R • • D	 2. (a) Represent fieldwork data using one graphical technique. You need to: Select the data from your portfolio. Draw a table in your answer booklet to show the data. Draw one graph or map of your choice to represent the information in your table accurately. Describe the trend or pattern shown by your graph or map. 						Accuracy	Total		
						1 0		10		
Use the d band. Aw irrelevant	The table need Units need to b communicated.	ds row/column headings. be clearly d.								
Band	Marks	Descriptor								
		Data is clearly recorded in a table.	Examiners sho	uld_co	onside	er the				
		The response uses one suitable and effective, accurate and complete cartographic or graphical technique to represent the data.	appropriateness completeness a technique:	s, the and th	he effectiveness, the the accuracy of the					
4	9-10	The trend or pattern is described in detail with clear reference to the data.	Suitable and e	ffect	ive -S	5				
		Meaning is unambiguous. The response has clear purpose, is fluent and logically structured.	For example, di graphed using a line graph is ap	ample, discrete data should l d using a bar chart whereas aph is appropriate for continu						
		Data is clearly recorded in a table.	Eor example la	For example, located bars or flow l				20		
	6-8	The response uses one suitable, accurate and largely complete cartographic or graphical technique to represent data.	maps might each be appropria showing number of pedestriar different parts of a town but th lines are more effective becau					riate for ans in the flow ause they		
3		The trend or pattern is described in some detail with some reference to the data.	show vector as	well as magnitude.						
		Meaning is clear. The response has purpose, is organised and well structured.	Have values in the table been represented accurately in the graph/map using a scale or axis t					ıt		
		Data may be recorded in a table.	can be accurate	ely re	ad?					
2	3-5	The response uses a suitable cartographic of graphical technique which has some accuracy and is largely complete.	y Complete - C Title, label; values have			ave been added;				
		The trend or pattern is described with limited reference to the data. Meaning is generally clear. The response is structured.	arrows and lege	ends.		0, 110				
		Some data may be recorded in a table.								
		The response shows one cartographic or graphical technique though this lacks accuracy and / or completeness.								
1	1-2	Some valid statements are made about the map/graph/table. Meaning may lack clarity in parts. Statements are linked by a basic structure.								
		Award 0 marks if the answer is incorrect								
	0	or wholly irrelevant.								

2. (b) E	Evaluate th concept of Select up t	1.2	2	m	uracy	al													
fi a	ieldwork p an Append	AO	AO	AO	Acc	Tot													
Use the o lowest ba wholly irr	descriptors and. Award elevant.	s below, working upwards from the d 0 marks if the answer is incorrect or	Responses will depend on the technique used. Some examples are given below: Flow line maps: Effective way of																
Band	Marks	Descriptor	representing because it sh	flow p ows n	atterns	s over ude ar	space nd	;											
4	7-8	The response provides a clear and detailed evaluation of the effectiveness of different data presentation techniques. It considers specific strength(s) and weakness(es) (balance is not required in terms of number or specificity). Meaning is unambiguous. The response has clear purpose, is fluent and logically structured.	 because it shows magnitude and direction. Difficult to construct and re the scale for proportional arrows/flow lines especially where range of value large. Located bars: Effective way of representing absolute values and ma comparisons across space. Bars do show direction of flow. The position of located symbol may obscure importa data on the base map. Located bars 																
3	5-6	The response provides a clear evaluation of different data presentation techniques. It considers some relevant strength(s) and weakness(es) (balance is not required). Meaning is clear. The response has purpose, is organised and well structured.	Inductiona cleardatadataas. Itintess(es)d).responsesed and wellanananandataas. The depthross theclear. Thea limitedas. Thy a parts.by a basicby a basic						another creating confusion for the Bar charts: Simple to construct a Effective for showing discrete dat as traffic flows and for making comparisons, especially if bars at arranged in rank order. Bars do n direction of flow. Difficult to represent that covers a very large range.					begin in one area of the map and end another creating confusion for the rea Bar charts: Simple to construct and Effective for showing discrete data su as traffic flows and for making comparisons, especially if bars are arranged in rank order. Bars do not s direction of flow. Difficult to represent that covers a very large range.					how
2	3-4	The response provides an evaluation of different data presentation techniques. The depth of evaluation varies across the techniques. Meaning is generally clear. The response is structured.																	
1	1-2	The response provides a limited evaluation of one or more data presentation techniques. Meaning may lack clarity in parts. Statements are linked by a basic structure.																	
	0	Award 0 marks if the answer is incorrect or wholly irrelevant.	axis is signific	cantly	differe	nt in lo	ength.	The											
The tables/maps/graphs from the portfolio included in the appendix MUST NOT be assessed. It can be used to help the examiner visualize the techniques that are evaluated by the candidate.								cal											

2. (c) V w o U a	Vhat do th hy cycles ne place t lse examp nswer.	o the conclusions from your portfolio tell you about how and cles and flows change over-time or how they change from ce to another? So the conclusions from your portfolio tell you about how and cles and flows change over-time or how they change from ce to another? So the conclusions from your portfolio tell you about how and cles and flows change over-time or how they change from ce to another? So the conclusions from your portfolio tell you about how and cles and flows change over-time or how they change from ce to another? So the conclusions from your portfolio tell you about how and cles another? So the conclusions from your portfolio tell you about how and cles another? So the conclusions from your portfolio tell you about how and cles another? So the conclusions from your portfolio tell you about how and cles another? So the conclusions from your portfolio tell you about how and cles another? So the conclusions from your portfolio tell you about how and cles another? So the conclusions from your portfolio tell you about how and cles another? So the conclusions from your portfolio tell you about how and cles another? So the conclusions from your portfolio tell you about how and cles another? So the conclusions from you about how and cles another? So the conclusions from you about how another? A bout tell you about how and tell you about how and tell you about how another? So the conclusions from you about how another? So the conclusions from you about how another? A bout tell you about telli you about tell you about tell you about tell you ab															
				6			4	10									
Use the d owest ba wholly irre	lescriptors nd. Awarc elevant.	below, working upwards from the 0 marks if the answer is incorrect or	This question as understanding c cycles/flows. Re	ssesse of the c spons	es the concep les will	candic ot of I vary (lates' depen	ding									
Band	Marks	Descriptor	who have worke	ed in th	ampie ie con	, cand text of	a rive	r									
3	5-6	Accurate and elaborated conclusion(s) are developed which demonstrate clear understanding of cycles and / or flows. Selection of supporting primary and / or secondary evidence is purposeful and well considered. Meaning is clear. The response has purpose, is organised and well	who have worked in the context of a r should show understanding of the wa cycle and the factors that affect river discharge such as geology, land use, antecedent weather or river manager d Responses should offer a conclusion - Considers the evidence (primary or secondary)							 who have worked in the context of a riving should show understanding of the water cycle and the factors that affect river discharge such as geology, land use, antecedent weather or river managem Responses should offer a conclusion with a considers the evidence (primary or secondary) 							
		structured.	- Draws this together to reach a decision														
2	3-4	Elaborated conclusion(s) demonstrate understanding of cycles and / or flows. Selection of supporting primary and / or secondary evidence is useful and adds support. Meaning is generally clear. The response is structured.	 Draws this together to reach a decision about whether the aims of the enquirement, for example, the extent to which fieldwork confirmed reasons why cyclic flows changed over-time or varied ac space. For example: number of pedestrians or cars are to times of day and also over long periods of time to different planni decisions about retail location or 														
1 Examiner referring 1 2 or abov	0 0 s must be to an actu- e.	Simple statements demonstrate limited understanding of cycles and / or flows. Selection of supporting primary and / or secondary evidence is limited or lacks purpose. Meaning may lack clarity in parts. Statements are linked by a basic structure. Award 0 marks if the answer is incorrect or wholly irrelevant.	 periods of time to different planning decisions about retail location or transport routes. changes in river flow linked to chan weather and in response to change management strategies. 					ing s in									

After awarding a level and mark for the geographical response, apply the performance descriptors for writing accurately on the following page. Having decided on a band, award a second mark (out of 4).

In applying these indicators, learners may only receive marks for responses that are in the context of the demands of the question; that is, where learners have made a genuine attempt to answer the question.

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 writing accurately does not reach the threshold performance level, for example errors in spelling, punctuation and grammar severely hinder meaning

End of Section B

3110U30-1 WJEC GCSE Geography Unit 3 MS Summer 2018/ED