

NATIONAL SENIOR CERTIFICATE EXAMINATION NOVEMBER 2021

GEOGRAPHY: PAPER I

MARKING GUIDELINES

Time: 3 hours 200 marks

These marking guidelines are prepared for use by examiners and sub-examiners, all of whom are required to attend a standardisation meeting to ensure that the guidelines are consistently interpreted and applied in the marking of candidates' scripts.

The IEB will not enter any discussions or correspondence about any marking guidelines. It is acknowledged that there may be different views about some matters of emphasis or detail in the guidelines. It is also recognised that, without the benefit of attendance at a standardisation meeting, there may be different interpretations of the application of the marking guidelines.

IEB Copyright © 2021 PLEASE TURN OVER

Marks must be awarded in line with:

- the specific content of the marking guideline or the generic level descriptors for the question.
- the specific skills defined in the marking guideline or in the generic level descriptors for the question.
- the standard of response required by a candidate as exemplified by the standardisation scripts.

Marks must be awarded **POSITIVELY**:

- Marks are awarded for correct / valid answers.
- Credit is given for valid answers that go beyond the scope of the syllabus referring to your Senior Sub Examiner or Examiner as appropriate.
- Marks are awarded when candidates clearly demonstrate what they know and can do.
- Marks are not deducted for errors.
- Marks are not deducted for omissions.
- Answers should only be judged on the quality of spelling, punctuation and grammar when these features are specifically assessed by the question as indicated by the mark scheme. The meaning, however, should be unambiguous.

Rules must be applied consistently, e.g., in situations where candidates have not followed instructions or in the application of generic level descriptors. Marks should be awarded using the full range of marks defined in the marking guide for the question; however, the use of the full mark range may be limited according to the quality of the candidate responses seen.

Marks awarded are based solely on the requirements as defined in the marking guidelines.

Marks should not be awarded with grade thresholds or grade descriptors in mind.

When marking higher order question, please use the Essay coding system to make the moderation process more consistent, fair and easier.

Geography Essay Coding

E – Excellent

 $\mathbf{G}-\mathsf{Good}$

F - Fair

V – Vague

R – RepetitionI – Irrelevant

IEB Copyright © 2021

PLEASE TURN OVER

QUES	TION 1 INTEGRATED QUESTION: T	HE WATERBERG BIOSPHERE AND LEPHA	LALE
1.1	Climate terminology		
1.1.1	A measure of the reflectivity of a surface.	F	Albedo
1.1.2	A line on a map connecting points having the same amount of rainfall.	I	Isohyet
1.1.3	Polluted air above a city, prevented from rising by an inversion.	Н	Pollution Dome
1.1.4	The temperature to which air must be cooled for water vapour to condense.	D	Dew point
1.1.5	An elongated area of high atmospheric pressure.	E	Ridge
1.2	Tropical cyclone		
1.2.1	Identify TWO features in Figure 1 that prove it is a tropical cyclone.	 Any TWO of the following Visible Eye The name "Eloise" Rain bands Spiral Cyclone on the east coast off the continent Moving westerly Impact – Causing damage and flooding Date – it's summer 	Credit must be given for a reasonable and relevant alternative.
1.2.2	Give ONE piece of evidence that Tropical Cyclone Eloise is in its mature stage.	Any ONE of the following answersIt has a clear eyeClear rain bands	Credit must be given for a reasonable and relevant alternative.
1.2.3	Name TWO impacts that Tropical Cyclone Eloise had when it made landfall.	Any TWO of the following answers Strong damaging winds Heavy disruptive rain Storms surge Local flooding of rivers Coastal flooding Loss of communication Loss of life Infrastructure damage (including road etc.) Livestock loss Damage to water and sewage pipes Damage to crops due to saltwater Damage to ecosystem and biodiversity	Credit must be given for a reasonable and relevant alternative. Max. 1 mark if only one impact is given. Answers must be clear and not vague one-word answers.

1.2.4	Describe how typical tropical cyclones form.	 They are formed over warm ocean waters near the equator. When warm, moist air over the ocean rises upward from near the surface, a cyclone is formed. Low pressure draws air from the surrounding warm moist region. The clouds then start to rotate due to the Coriolis effect. They then start to move in the Easterly wind belt. As the wind system rotates with increasing speed, an eye gets formed in the middle. The centre of a cyclone is very calm and clear with very low air pressure. Light variable wind on the surface (Could prevent vortex formation) 5° to 30° latitude link to Coriolis Large ocean area to draw moisture. 	Credit must be given for a reasonable and relevant alternative description. They must show a full understanding of how a tropical cyclone forms. 2 marks for a general description or if there is missing information. 4 marks for a full and detailed description.
1.2.5	Identify ONE reason tropical cyclones affect the eastern side of continents.	 Any ONE of the following answers Warm ocean currents on that side of continents The move from East to west Tropical oceans Moving in the easterly wind belt 	Credit must be given for a reasonable and relevant alternative.
1.2.6	Explain why tropical cyclones have a larger socio-economic impact on Mozambique than on a country like Japan or the USA.	 Moz. is an LEDC Japan and USA MEDC Less chance to get a message to people People's homes more likely to be damaged Infrastructure damaged easily Longer to get to regions Longer to fix broken infrastructure Less money to repair damage Fewer chance people have insurance Moz. already had issues with food security 	Credit must be given for a reasonable and relevant alternative explanation. They must show a full understanding of the impact of a TC on and MEDC vs LEDC. 2 marks for a general explanation or if there is missing information. 4 marks for a full and detailed explanation.

1.3	Tropical cyclones		
1.3.1	Which province will be most affected by the storm?	Mpumalanga	Knowledge of South Africa
1.3.2	How much rain is predicted in Lephalale?	Between 50 and 80 mm	Read directly off the map
1.3.3	Explain why the storm will have lost most of its energy when it reaches Lephalale.	 As the storm moves inland: Less moisture No ocean to feed Frication of the land 	Credit must be given for a reasonable and relevant alternative explanation.
1.3.4	How can remote sensing aid in the tracking and studying of tropical cyclones?	 Use satellites to track storms Show intensity Track winds Track rainfall Use radar Rainfall Wind Speed Ocean buoys to measure changes in ocean levels. Use to study from afar, people not in harm's way. See the total impact, gain the big picture. Track the path using computers and images. 	Credit must be given for a reasonable and relevant alternative. Candidates must show an understanding of remote sensing and how it is used in studying Tropical Cyclones.
1.4	Catchment and river management		
1.4.1	Fluvial true and false		
	State whether the following statements are T example: g False.	RUE or FALSE. Write only the number of the	question and whether it is True or False, for
(a)	The Mokolo River has a graded profile.	False	
(b)	The Mokolo Dam is a temporary base level of erosion.	True	
(c)	The Limpopo River is a tributary of the Mokolo River.	False	
(d)	The river system has a high drainage density.	False	
(e)	The drainage pattern for the Mokolo river is dendritic.	True	

1.4.2	Explain the terms		
(a)	Catchment area	The area from which rainfall flows into a river, lake, or reservoir.	Candidates are free to develop their own approach to the question and responses
(b)	Heavily eutrophied	When a body of water becomes overly enriched with minerals and nutrients that induce excessive algae growth, this process may result in oxygen depletion of the water body after the bacterial degradation of the algae.	will vary. This does not have to be a textbook explanation.
1.4.3	Identify feature A.	Watershed Drainage divide	
1.4.4	Why is feature A not a fixed feature?	This is due to headward erosion that will change the position of the watershed. The concept of abstraction, the changing of the position of the watershed. Could link to river capture. Drainage basin enlarged / reduced.	
1.4.5	Use Figure 3 to determine the stream order of the Mokolo River.	3 rd order stream	
1.4.6	Explain the relationship between stream order and (a) length of streams. (b) the size of the drainage basin.	Length of streams: The higher the stream order, the longer the stream (vice versa) Drainage basin size: The higher the stream order, the larger the drainage basin (vice versa)	Candidate must show an understanding of the concept. Answer must be clear to get full 2 marks
1.4.7	Explain TWO ways in which water catchment and flow of a river system is affected by human activity.	 Urban areas are less permeable More runoff Less infiltrations More evaporations More interception More stores through dams Turbidity Eutrophication Litter clogged up the channel 	Credit must be given for a reasonable and relevant alternative explanation. 2 marks for a general explanation or if there is missing information. 4 marks for a full and detailed explanation.
1.4.8	Explain TWO hydrological changes that the Mokolo Dam would have on the river system.	 Deposition upstream Rejuvenation downstream Siltation at the dam wall Decrease the volume downstream Evaporation increased in Lake (larger area) Change in fog regime 	Credit must be given for a reasonable and relevant alternative explanation. 2 marks for a general explanation or if there is missing information. 4 marks for a full and detailed explanation.

1.5	Rural settlements		
1.5.1	Use TWO words in the block below to describe the settlement at Zandrivier (labelled B).	Isolated farmstead Commercial farm	
1.5.2	Outline TWO differences between an isolated farmstead and a village.	An isolated farmstead Usually one family No market or store The only direct primary activity No services Little access to services Village Larger population Some access to services Some services available Cluster shape More activities including a store	Credit must be given for a reasonable and relevant alternative. Candidates must cover differences in each.
1.5.3	Identify TWO pieces of evidence that prove there is commercial farming in the area.	 Names of farms Dams Reservoirs Evidence of irrigation Windbreaks Source: Speak about exporting of produce Boundaries and fences (1 Mark) Access by road A large area of farmland 	Credit must be given for a reasonable and relevant alternative.
1.5.4	Identify TWO site factors for Vaalwater.	 Access to water Fertile soil Road Relief- flat land for agriculture Close to the river In the mountains (source) 	Credit must be given for a reasonable and relevant alternative.
1.6	Urban hierarchies		
1.6.1	Compare the settlements of Marapong and Onverwacht. Use the following subheadings. Road surface Amount of vegetation Number of possible visible services	 Road surface Marapong Looks sand no tar A large number of roads Unstructured Onverwacht Tar and structured 	Credit must be given for a reasonable and relevant alternative. 2 marks per point if compared well, with clear evidence.

1.6.2	Examine TWO possible reasons for the difference between the two settlements. Urban hierarchies	Amount of vegetation Marapong Little to no vegetation Brown Visibly brown Onverwacht A lot of vegetation and trees Green parks Golf course Number of possible visible services Marapong Very few visible Lower order Onverwacht Many visible Higher-order Marapong Informal settlement Old apartheid settlement Little to no investment Little to no development Onverwacht Old apartheid white settlement Formal settlement High to middle income More money (income) More investment More developments	1 mark per point – if comparison is superficial. Credit must be given for a reasonable and relevant alternative. 1 mark per concept for a general discussion or if there is missing information. 2 marks per concept for a full and detailed discussion. Candidate must NOT just list reasons.
1.7.1	Which ONE of the three businesses has	Checkers	
170	the lowest order of goods?	Vorgue the other business they would	Condidate must show an understanding of
1.7.2	Why does Capitec Bank have the largest range?	Versus the other business, they would draw their customer from further away to operate.	Candidate must show an understanding of range.
1.7.3	Why is Wimpy's location based on functional convenience?	Food outlet like wimpy will choose its position based on their customers' needs. Businesses are found in an area for easy access for the customers.	Candidate must show an understanding of functional convenience.

1.8	Structure of the economy		
1.8.1	Discuss ONE positive way tourism affects the informal sector.	 Grow business Grow linked businesses More tourists could lead to more money	Credit must be given for a reasonable and relevant alternative discussion.
		made in sectorMore jobs could be createdCommunity upliftment	1 mark for a general discussion or if there is missing information.
		More tax income for government	2 marks for a full and detailed discussion .
1.8.2	Explain TWO ways tourism is used to uplift women within the economy.	 More job opportunities Encourage women to be independent More encouragement for women 	Credit must be given for a reasonable and relevant alternative explanation.
		educationYounger women entering job marketImage of stereotypical roles changed	2 marks for a general explanation or if there is missing information.
		j	4 marks for a full and detailed explanation.

400 5		
1.8.3 Essay		
 Please DO NOT tick when marking an essay – this confuses the checkers. Rather, underline valid and appropriate points and use the code system. 	GEOGRAPHY ESSAY CODES E - Excellent G - Good V - Vague R - Repetition I - Irrelevant F - Fair CONTENT: Underline relevant Circle incorrect portion EVIDENCE: () Bracket evidence	oints
1.8.3 You are asked to write a report of the Limpor greater Limpopo region.	oo provincial government, in which you evaluate economic developmen	t in the Lephalale and
Explain how the mines and the power stations will cause rural depopulation.	 Young people looking for work More opportunities in the area Less jobs in the rural areas More money to be made near infrastructures More social amenities Possible chance of upskilling New educational opportunities Pollution from the mines Better health care is available Better sanitation in urban areas 	The candidate can show an understanding of push and pull factors.
Analyse how the game farms could benefit the region socio-economically.	 Job creation More taxation due to more income More taxation for municipality More conservation of the environment Skills development New educational drives Benefit development of communities Could develop linked industries Foreign investments increase 	
 Describe the importance of the mines and power stations to the economy to Limpopo. Evaluate the <i>hindrances to economic</i> 	 Job creation Brings infrastructure to a region Drives linked industries New educational institutions Uplift the skills level New businesses to the region, more jobs Fuel and diesel prices Secondary linked industries Poor infrastructure 	
development that is faced by Limpopo.	Large unskilled populations Few established large urban areas (Access to fewer markets)	

 Very few skills and educational development centres 	
Low education level	
More drive to locate in large urban centre	
Few industrial areas	
Poor access to water and resources	
Underdevelopment during apartheid	
Lockdowns and COVID 19	
Rand Values (fluctuations)	
Climatic limitations – Hot and dry	
Far from the harbours for export	
Topography of the area	
Poor governance	
Coal non-renewable	
Water shortages	
Labour unrest	
Fluctuations in mineral prices	
Load shedding	

	110	110	114
Criteria	Level 3 Excellent – Good	Level 2 Satisfactory	Level 1 Poor
Writing skills	Suitable introduction and conclusion.	Introduction and conclusion present,	Writing is weak and almost unintelligible.
Take into consideration structure and	Sophisticated, coherent and structured	although not ideal.	No introduction or conclusion provided. No
presentation.	writing.	Attempts to adhere to subheadings and	use / adherence to subheadings. Long
Use of brief introduction and	Subheadings and paragraphs have been	use of paragraphs.	sentences, poor grammar and ineffective
conclusion.	effectively used.	Report deviates from the point in places	use of paragraphs. The report is repetitive.
Logical discussion and use of	The report is concise, well-structured and	and lacks brevity.	Bullet points may have been used.
subheadings.	succinct.	and lable brothly.	1 = must be awarded for any form of
- Cazineaaiiigei			written attempt / effort
[4 marks allocated to this component]	4 marks	3 marks	2–0 marks
Content knowledge Correct use of geographical terminology and concepts. Adherence to topic and subheadings.	 Response thoroughly assesses the relevant content and detailed discussion of the topic. An effective and sustained evaluation with a sound conclusion. Response is well founded in detailed exemplar knowledge and strong conceptual understanding of the topic. Examples used are appropriate and integrated effectively into the response. Good usage of geographical terminology and concepts. An appropriate number of facts presented per subheading. Min of 2 points for every sub-heading will earn candidate 10 marks. Extension work will provide a further 2 marks. 	 Response demonstrates some knowledge and understanding. Some relevant content. Response is broadly evaluative in character, comprising some explanatory or narrative content and a conclusion. Response develops from secure base of knowledge and understanding with the use of examples. An overview / general discussion of key issues. Displays a fair understanding of the topic however displays some inaccuracies or vagueness in some of their discussions. Basic usage of geographical concepts and terminology. 60–50% of required facts presented per subheading. 1 point per subheading, or 2 points 	 Response makes a few general points about the topic. A descriptive response comprising a few simple points. Knowledge is basic and understanding may be poor and lack relevance to the question set. Digression from the topic. Weak grasp of concepts and terminology. Isolate and generic elements of understanding and knowledge. Superficial / poor discussion. Almost no relevant facts / subheading.
[42 mayle allocated to this component]	42. O morks	provided and only 2 paragraphs.	4.0 marks
[12 marks allocated to this component] Supporting evidence – analysis and	12–9 marks The candidate can argue and evaluate	8–5 marks Superficial links made to case study / fact	4–0 marks Limited to no reference made to case
understanding	appropriately.	file / source material.	study / fact file / source material.
The ability to analyse and evaluate the	There is strong evidence of accurate	Although reference to supporting	Examples not provided.
topic is assessed in this category.	application of understanding and evidence	examples has been made, it is not clear	Has little to no geographical meaning.
Reference made to case study material /	provided.	that the candidate has a good	Little analysis or understanding.
fact file / source material provided.	The report demonstrates the	understanding of the example / case study	Demonstrates minimal understanding of
If appropriate, reference must be made	understanding and integration of relevant	material.	the topic.
to familiar / local or other examples.	case study / fact file / source material into	Supporting evidence does not always	'
'	the context of the report.	relate appropriately to the subheading or	
	Looking for evidence of unpacking content	context of the discussion.	
	and high-order integration.	Discussion lacks depth.	
[4 marks allocated to this component]	4 marks	3 marks	2-0 marks

QUESTION 2 CLIMATE, WEATHER AND GEOMORPHOLOGY			
2.1	Subtropical anticyclones and associated w	veather conditions	
	Study Figure 13 and complete the following questions by selecting the correct answer in each instance. Write the number of the		
	question and the letter corresponding to your answer, for example: 1.1.0 A.		
2.1.1	The highest temperature for Gqeberha on	D	
	28 / 03 / 2020 is		
	A 20 °C		
	B 25 °C		
	C 27 °C		
	D 30 °C		_
2.1.2	The highest expected wind speed is	C	
	A 34 km / h		
	B 35 km / h		
	C 36 km / h		
0.4.0	D 37 km / h		4
2.1.3	The wind being experienced at Gqeberha is	A	
	known as		
	A berg wind.		
	B monsoon.		
	C typhoon.		
2.1.4	D jet stream. This wind is formed through	C	\dashv
2.1.4	This wind is formed through		
	A rising air over the interior. B the low pressure forming over warm		
	B the low pressure forming over warm water.		
	D air descending within a valley at night.		J

2.1.5	A typical weather station for this type of wind is A 20	B		
2.2	Mid-latitude cyclones			
2.2.1	Name the fronts at D and E. Name the type of low pressure at F .	D – Cold Front E – Warm Front F – Coastal Low / Cut-off low		
2.2.3	Write a tweet describing the weather conditions to be expected as front D impacts Cape Town.	 Tweet / message should include Decrease in temperature Increase in wind speed Heavy rain / thunderstorms Cumulonimbus clouds with thunderstorms Full cloud cover / overcast Hail Increase in pressure Change in wind direction – backing Decrease in humidity Refers to the weather stations: 13-19 temperature 9 dew point 3/4 cloud cover Nw / WNW wind 	The Tweet must contain at least TWO weather conditions associated with MLC and Cold fronts. Must not be long and must be to the point. Reward must be given for clear information. 2 Marks if too long or vague in description. 2 Marks MAX if only on weather condition describes or mentioned. 4 Marks if description it short and clear.	

2.3	Subtropical anticyclones and associated v	veather conditions	
2.3.1	Name the weather systems at G and H.	G – Kalahari / Interior / Continental High Pressure / Ridge of High H – Low pressure trough / Thermal low / line thunderstorms / interior low pressure / moisture front.	
2.3.2	Identify the seasons in Figures 12 and 13.	Figure 12 – Winter Figure 13 – Summer	
2.3.3	Provide ONE reason for your answer in Question 2.3.2.	Figure 12 Clear conditions High pressure over the land Frost over the interior A ridge of High pressure Land is dry Temperatures are low Figure 13 Clouds overland Possible thunderstorm Low pressure over the interior Line thunderstorms	Credit must be given for a reasonable and relevant alternative.
2.3.4	Explain why there is a lack of cloud cover in figure 12.	 The anti-cyclone over the land Lack of moisture Cold, sinking air Air warms adiabatically Inversion layer blocking air movement over the escarpment 	Credit must be given for a reasonable and relevant alternative.

2.4	Valley climate		
2.4.1	Name the season in which a frost pocket is most likely to occur.	Winter	
2.4.2	Draw a diagram to explain how this frost pocket is formed.		
			1 mark – descending air 1 mark – for showing the accumulation of cold air 2 marks – for the drawing
2.5	Fluvial processes	TDUE Write solution and the second	
2.5.1 (a)	The Diep river (I) is known as the (captive / misfit / captor) river.	Misfit River	umber and the corresponding term, e.g. (d) river.
(b)	The Kouga river (J) is known as the (captive / misfit / captor) river.	Captor	
(c)	The feature labelled K is known as the (elbow of capture / wind gap / knickpoint) .	Elbow of capture	
2.5.2	Suggest TWO characteristics that the Kouga River would need to capture another river.	 Increase volume Increase gradient More rainfall adding volume (change in climate) Change in rock structure (hardness) Rejuvenation 	Credit must be given for a reasonable and relevant alternative.

2.6	Fluvial processes			
2.6.1	Using evidence from the photograph, prove the following true.			
(a)	The river is in the upper course.	 Steep valley V shaped valley Limited infiltration Hardrock Steep gradient Thunderstorms Narrow channel Little water in the channel Mostly rock on the bed 		
(b)	The river is carrying mostly bedload.	Mostly rocks and boulders		
(c)	At this point, the river's most likely erosional process is attrition.	Rocks on the bed Small particles bumped against one another, becoming rounder.		
2.6.2	Why is flash flooding likely to happen at this point of the river?	Steep side valleyNarrow channelWater collects in narrow gorge	Credit must be given for a reasonable and relevant alternative.	
2.6.3	How does the channel size and shape affect stream discharge?	Size The wider the channel the more discharge A u-shaped valley allows more water to flow Evaporation Shape This will affect the amount of friction	Credit must be given for a reasonable and relevant alternative. To be awarded full marks the candidate must explain both aspects.	
2.7	Fluvial processes			
2.7.1	What is the difference between an oxbow lake and a meander scar?	 ANY ONE of the following Oxbow lake has water Oxbow lake will have base flow Meander scar has no water 	Credit must be given for a reasonable and relevant alternative.	
2.7.2	Did river erosion or deposition initially form the oxbow lake?	Erosion	The river's meander becomes longer, and the neck becomes narrower until it is cut off at the neck and the lake is formed.	

2.7.3	Examine the role that erosion and deposition has on the formation of floodplains and meanders.	 Floodplains and meanders involve both erosion and deposition. Floodplains result of deposition at times of high discharge when the flow exceeds bank full discharge. This is dependent on erosion upstream and transportation downstream of bedload and suspended load. Rivers meander across floodplains eroding the valley sides over time. With changing conditions, rivers may erode into floodplains, creating river terraces. Both erosion and deposition are essential in different parts of the meander curve with erosion on the outside of the bend and deposition on the inside. Meanders formed by erosion and deposition as the river seeks to flow efficiently and minimise energy loss. 	Credit must be given for a reasonable and relevant alternative. The response should be on both erosional and depositional processes. 2 marks for a general explanation or if there is missing information. 4 marks for a full and detailed explanation.
2.7.4	List TWO economic benefits of a floodplain.	 Floodplains act as natural filters Flat land to build Fertile soil to farm Recreational industries: Many outdoor recreational activities – like fishing, hunting, camping, hiking, wildlife watching and boating – are made possible by or greatly enhanced by the natural processes of rivers and healthy floodplains. Feeds baseflow / infiltration Prevents flooding 	Credit must be given for a reasonable and relevant alternative.

Decreased water flow downstream of sourced rivers and streams. Increased evaporation in irrigated areas. Increased evaporation in irrigated areas can cause instability in the atmosphere. Increase levels of rainfall downwind of the irrigation. Cause siltation. Causes Eutrophication / pesticides. Overusage of landscape.	2.7.5	Examine TWO impacts of agriculture on a floodplain and river system.	Draws water from the system lowering the levels of the water. Increased groundwater level in irrigated.	Credit must be given for a reasonable and relevant alternative.	
Incorrect farming methods.			 Decreased water flow downstream of sourced rivers and streams. Increased evaporation in irrigated areas. Increased evaporation in irrigated areas can cause instability in the atmosphere. Increase levels of rainfall downwind of the irrigation. Cause siltation. Causes Eutrophication / pesticides. Overusage of landscape. 	is missing information.	

QUESTION 3 RURAL AND URBAN SETTLEMENT AND ECONOMIC GEOGRAPHY OF SOUTH AFRICA			
3.1	Settlement terminology		
	e a term from COLUMN A that matches the de , for example 3.1.0. H.	escription in COLUMN B. Write only the letter	next to the question number in the ANSWER
3.1.1	Blight	G	Run-down and abandoned buildings.
3.1.2	Greenbelt	A	An area in cities to stop development and the expansion of a city.
3.1.3	Suburbanisation	E	When people, factories, offices and shops move out from the central cities, and into the suburbs.
3.1.4	Market Town	В	A town provides shopping and service centres for the surrounding region.
3.1.5	Bridging Point	F	A settlement where a river can be crossed
			and becomes a trading centre.
3.2.1 3.2.1 3.2.2	Explain why fires are such a major threat in informal settlements. How does rural urban migration influence	 Population density Material used to build home Methods to cook and keep warm No adequate fire services No control of growth No safety infrastructure Spreads easily Distance to emergency services No funds to recover Accessibility issues for services It will increase the size 	Credit must be given for a reasonable and relevant alternative. Credit must be given for a reasonable
3.2.3	the growth of informal settlements in South Africa? Evaluate TWO reasons why it is	Lack of funding	and relevant alternative. Credit must be given for a reasonable
	challenging to solve the problems experienced in informal settlements.	 Corruption Not dealing with the past Infrastructure too difficult No economic hubs in area Lack of taxes being paid Organically developed (no planning) Fewer functions for jobs As people moved out, new move-in Difficult to break the poverty cycle Densely populated, any problems difficult to solve 	 and relevant alternative. 1 mark per point for a general explanation or if there is missing information. 2 marks per point for a full and detailed explanation.

3.3	Urban settlement issues		
3.3.1	Explain invasion and succession.	This is when the <u>function</u> of a piece of land changes from one zoning to another. Change of one land use and replace by another, e.g. residential to commercial.	Candidates are free to develop their own approach to the question and responses will vary. This does not have to be a textbook explanation.
3.3.2	Why are the land values so high within the zone of transition, when the buildings look run down?	The buildings are close to the CBD so they are expansive land values, but the building will probably be torn down so the building has no value and is left to get run down	Credit must be given for a reasonable and relevant alternative.
3.3.3	Discuss the impact that <i>gentrification</i> has on the current residents of a renewed area.	 The land value will increase along with rent and rates; this will make the area too expensive for some people to stay. Improve the area overall High standard of living. 	Credit must be given for a reasonable and relevant alternative.
3.4	Urban structure and patterns		
3.4.1	Explain the following terms:		
(a)	New town	A planned urban centre created in an undeveloped or rural area, especially with government sponsorship. Built from scratch.	
(b)	All-inclusive urban node	An area that has many different functions in one space. Like mixed used development. (Source can be used to get the answer.)	Candidates are free to develop their own approach to the question and responses will vary. This does not have to be a textbook explanation.
(c)	Business Estate	A secure and access controlled gated business / office block. Group of offices or businesses	
3.4.2	Provide TWO situational factors that would attract development in this area.	 Near the N2 M41 Close to Umhlanga (other suburbs) Close to Gateway shopping centre Approximately 17 kilometres from the CBD 7 kilometres south of King Shaka Allow linkage to harbour 	

3.4.3	Explore TWO benefits this development would have for the Umhlanga region.	 More jobs Skills development Infrastructure development Development of linked businesses More functions are available to residents Entertainment opportunities Income – foreign exchange attracts investments 	Credit must be given for a reasonable and relevant alternative. 2 marks for a general explanation or if there is missing information. 4 marks for a full and detailed explanation.
3.5	Economic terminology		
	e a term from COLUMN A that matches the of for example 3.4.0 H.	description in COLUMN B. Write only the lett	er next to the question number in the ANSWER
3.5.1	Indirect taxation	Н	The levying of tax on goods and services rather than income or profits.
3.5.2	Commodity	С	A comparatively homogeneous product that can typically be bought in bulk.
3.5.3	Deregulation	E	Removing legal restrictions on the amount of competition, the sorts of business done, or the prices charged within a particular industry.
3.5.4	Footloose industries	A or F	Located all over the geographical area without concentration in one particular area.
3.5.5	Raw material-oriented	G	Located close to the source of raw materials as it produces perishable goods.
3.6	Agriculture		
3.6.1	Name ONE province where sugar is grown in South Africa.	Any ONE of the followingKZNEastern CapeMpumalanga	
3.6.2	Using sugar as your example, explain how the value chain works in industries.	 Sugar is farmed – then is processed – then packaged – then sold Full change of business activities that support changing sugar cane to finished product 	Candidate must show an understanding of the concept of the value chain and how it links to a product.

3.6.3	Name TWO linked industries associated with the production of sugar.	 Any farming machinery Irrigation products Fertilisers Pesticide manufacturing Transportation of products Packaging Processing Food Processing & beverage Baking Medical Biofuels 	Credit must be given for a reasonable and relevant alternative. Don't just reward for giving industries. There must be a clear link to sugar.
3.6.4	Provide ONE possible environmental and ONE political factor to explain the low exports of refined sugar in 2015 / 16 and 2016 / 17.	Environmental Drought Fires El Nino Climate change Political Economic downturn Exchange rate Land reform Sugar tax Low productivity Labour unrest	Credit must be given for a reasonable and relevant alternative.
3.6.5	Explain ONE economic factor that would affect the attempts to increase agricultural production, like sugar?	 Taxation Currency rate and fluctuation Labour relations Export duties Global economy Government policies (e.g., land tenure, marketing, animal welfare, labour relations) International trade agreements Public opinion and concerns 	Credit must be given for a reasonable and relevant alternative. 1 mark for a general explanation or if there is missing information. 2 marks for a full and detailed explanation.

3.7	Strategies for industrial development		
3.7.1	List TWO factors that promote and TWO factors that limit economic development in KZN.	 Promote: Plenty water – sugar refining and papermaking Good transport network links to interior Large local market – highest pop / 50% 100km from Durban Close to Gauteng and overseas markets, esp. China, Asia and E. Africa Large workforce / labour A port 	Credit must be given for a reasonable and relevant alternative. Candidate can provide a list; however, one worded answer may be too vague, they must relate to the question
		 Resources e.g. sugar, milk, fruit, poultry Warm climate – Pinetown 15km / 300m / flatter land Affluent lifestyle – beaches, mountains, game reserves, golf courses Gateway for trade – imported and exported commodities. Limit	
		 High Humidity Cost of land Rolling topography Unskilled labour force Load shedding Land expropriation Energy Supply from Vryheid and Mpumalanga Labour unrest Heath issues of labour 	

3.7.2	Explain ONE advantage that may result from industrial agglomeration.	 Productivity spill overs Functional magnetism Informal business and economy established Labour force may have more access to jobs Easier to set up infrastructure Lower transport costs Shared facilities and services 	Credit must be given for a reasonable and relevant alternative. 1 mark for a general explanation or if there is missing information. 2 marks for a full and detailed explanation.
3.7.3	Analyse TWO ways in which transport infrastructure influences the location of economic activity in KZN.	 Close to harbour to export Close to airport Railway access Road access How quickly they can get goods to market 	Credit must be given for a reasonable and relevant alternative. 1 mark per concept for a general analysis or if there is missing information.
		 Industries still prefer to locate on growth axes such as motorways, major rivers and coastal locations Industrial development along transport corridors 	2 marks per concept for a full and detailed analyses. Can be one type of transport with 2 impacts Or Two different types of transport.

Total: 200 marks