# KWAZULU NATAL DEPARTMENT OF EDUCATION GREENBURY SECONDARY SCHOOL FIRST QUARTERLY EXAMINATION 2016 GEOGRAPHY

GRADE: 11  EXAMINER: E Paruk  DATE: 17/03/16  DURATION: 1 HR				
	EXAMINER: F.Paruk  MODERATOR: R.Ranganathan  MARK: 100			
NAME	OF LEARNER:	мене		
GR/DI	· · · · · · · · · · · · · · · · · · ·			
INSTR	UCTIONS			
1. 2. 3. 4. 5.	This paper consists of 2 Sections. Section A – Theory and Answer all Questions. Write neatly. Number your answers as per the question paper. Refer to the attached Addendum when answering the question paper of printed pages 6.			
SECTI	ION A			
Questic Compl below.	on 1 ete each of the following statements by choosing a word Write only the word\term next to the question number	d\term from the list ;		
Cor	ar Front; Solstice; Unstable; Chinook; We riolis force; Stable; Jet stream; Equinox; Coverges; Drier; Wetter; Monsoon	sterlies ; nverges ;		
1.1.1	Surface winds that blow in the mid-latitudes are called causes deflection of air as a result of	f the earths rotation.		
1.1.3	The causes deflection of air as a result or is a seasonal wind that causes summer	rainfall.		
1.1.4	Zone at 60° N\S where a cold and warm air masses meet is called  The time of the year when day and night are of equal length is called			
1.1.5 1.1.6	is the time in the year when day and fight are of equal folia	lay sun is directly		
1.1.7	overhead over one of the tropics.  High pressure cells are associated with we have towards low pressure.			
1.1.9 1.1.10	El Nino brings than normal conditions.	10X2		

PTO Pg2...12 State

1.2 State whether the following statements are True or False.	
<ul><li>1.2.1 Föhn winds are warm dry winds.</li><li>1.2.2 The sub tropical High pressue zone is associated with heavy rainfall.</li></ul>	
1.2.3 The Benguella current flows past the east coast of South Africa.	
1.2.4 Cold air can hold more water vapour than warm air.	
1.2.5 Winter Monsoons may lead to drought conditions.	5 (25)
Question 2	
Refer to the sketch (figure 1) showing air circulation.	
2.1 Identify this air circulation shown.	2
2.2Describe the air movement at :-	
2.2.1 A	2+2
2.2.2 B	212
<ul><li>2.3 Name the pressure zones labeled</li><li>2.3.1 C</li></ul>	
2.3.2 D	2+2
2.4.1 Describe the weather conditions experienced at the 0 latitude.	
2.4.2 Give a reason for the weather you described. (ans. 2.4.1)	2 2 (14)
, , , , , , , , , , , , , , , , , , ,	
Question 3	
Refer to the synoptic weather map (figure 2).	2 2
3.1 Give 2 reasons you would agree that this synoptic map shows Summer.	2x2
2.2 Name the following:	
3.2 Name the following:- 3.2.1 High pressure cell at B	
3.2.2 Low pressure system at C	•
3.2.3 Line marked X	4x2
3.2.4 Front labeled A	
	•
3.3. Give the pressure reading at X.	2
3.4 Describe the wind speed at Y. Provide a reason for your answer.	2+2
3.5 Refer to the weather station at Durban. Describe the weather at Durban	
under the following headings.	
-AIR TEMPERATURE	
-DEW POINT TEMPERATURE	
-CLOUD COVER -WIND DIRECTION	
-WIND SPEED	5X2 (28)
- WILLD OF LICE	/ /

(8)

#### **Ouestion 4** Refer to the article (figure 3) and answer the questions.

4.1 Explain the following terms used in the Article.

4.1.1 Drought

4.1.2 Food security

2X2 4.2 Name the weather phenomenon mentioned in the article that has caused 2 the drought conditions.

4.3 How is South Africa ensuring that it has a sufficient supply of maize. 2

### SECTION B - Map Skills

#### Question 5

( )

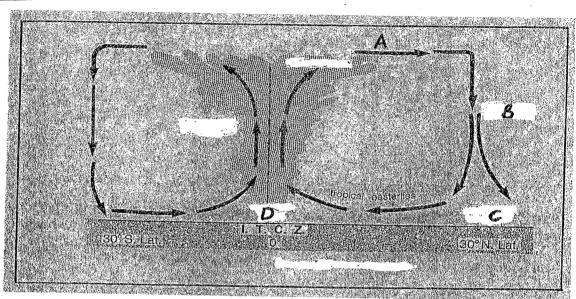
5.1 Refer to the aerial photo (figure 4).

5.1.1 Identify the type of aerial photo shown.	2
5.1.2 Give an advantage of using vertical aerial photographs.	2
5.1.3 Aerial photographs are normally taken between:-	
A. 02:00 to 10:00	
B. 10:00 to 14:00	^
C. 14:00 to 16:00	2
5.1.4 Feature A is a road and feature B is a railway line. How would you distinguish	
between feature A and B.	2x2
5.1.5 Is area D an Industrial or residential area? Give a reason.	2+2
5.1.6 With reference to tone, give a reason why feature E can be identified as	
a river and not a road.	2 .
	2
5,2.1 Explain the term RESOLUTION.	3 2
5.2.2 Would a 2.0 megapixel or 3.5 megapixel camera produce a clearer picture?	2
5.2.3 Explain how local Authorities can use satellite images to manage the	0 -0
effects of droughts in Kwazulu-Natal.	2x2
	(25)

**TOTAL: 100** 

### Addendum

### Figure 1



## Struggle to source food

Sechaba ka'Nkosi

THE UNPRECEDENTED drought that has devastated large parts of South Africa has put pressure on regional economies with some countries in southern Africa already battling to source food for citizens.

With South Africa's crop produce dwindling, countries such as Malawi, Zambia and Zimbabwe have been forced to import maize from overseas countries at a higher cost as a result of plummeting currencies.

Experts have already warned the drought would lead to runaway food inflation in the region as regional economies crumble under the effects of El Niño that has occasioned dry weather conditions and heightened fears and concerns over a prolonged regional drought.

GrainSA economist Wandile Sihlobo this week told Business Report the full impact of the drought would be felt in months to come. "The planting season has just ended and we still have to wait for reports on how the season has gone."

South Africa has one of the most sophisticated agricultural industries in Africa, with local farmers producing 42 percent of the total crop output in the Southern African Development Community (SADC) and supplying the region with about 70 percent of its maize.

"The current drought situation not only presents a white maize shortage to South Africans, but also affects other SADC member states," said Sihlobo.

On Friday, Agriculture, Forestry and Fisheries Minister Senzeni Zokwana said the drought had hit both commercial and emerging farmers throughout the country and would have a severe impact on food security in the region.

"In some places, no planting was done while some will have very low yields."

The impact of the drought is

also felt more severely in the local markets where currencies have fallen sharply against the US dollar which most countries would have to use to import from overseas markets.

In the past few months, South Africa has imported maize from Zambia to augment its supplies.

But Zambia, whose kwacha currency has fallen by as much as 45 percent against the dollar has since announced it was planning to import maize from South America as the drought had slashed its output in the 2014/15 season by 20 percent to 2.6 million tons.

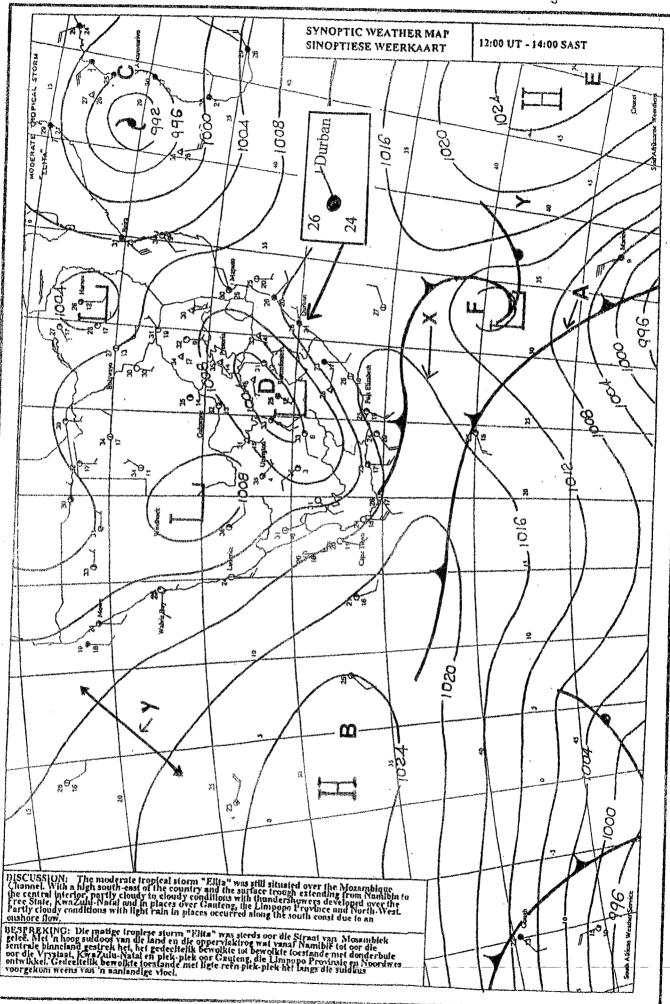
The SA Chamber of Commerce and Industry (Sacci) said it was concerned about the effects of the droughts on farmers, jobs in the sector and the ripple effect this will have on the economy.

Sacci chief executive Alan Mukoki said the drought would most likely affect consumers as maize was a staple for most South African households.

P.To. Pg 5 ... Fig. 2.

Figures 2

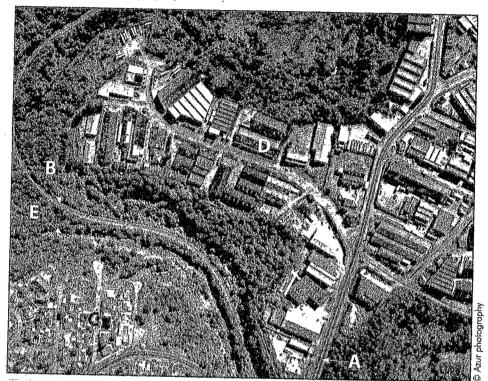
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P. TO Pg 6. Fig 4.

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### Figure 4



Photograph : Industrial park, East London

GREENBURY SECONDARY SCHOOL

DEPARTMENT OF HSS
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35 5 The Annual Control of the Annual Control of the Control of th 5.2.2. Identify wear affected.