KZN DEPARTMENT OF EDUCATION GREENBURY SECONDARY SCHOOL FIRST QUARTELY TEST GEOGRAPHY

EXAMINER: S.SINGH

MODERATOR: R.RANGANATHAN

MARKS: 100

DATE: 29 /03/2017

GRADE: 11

DURATION: 1 HOUR

NAME OF LEARNER:	GRADE/DIV:
------------------	------------

INSTRUCTIONS

- 1. This paper consists of 2 sections: Section A – Theory and Section B – Mapwork.
- 2. Answer all questions.
- 3. Write neatly and legibly.
- 4. Refer to the attached Addendum when answering the questions.
- 5. This paper consists of 6 printed pages.

SECTION A QUESTION 1

- 1.1 Provide the correct term/concept for each of the statements below.
- 1.1.1 Lines on a map joining places of equal pressure.
- 1.1.2 Time of the year when day and night are of equal length.
- 1.1.3 Force responsible for the deflection of air due to the rotation of the earth.
- 1.1.4 Winds that blow parallel to the isobars.
- 1.1.5 Unit of measurement for air pressure.
- 1.1.6 Warm ocean current that flows past the east coast of South Africa.
- 1.1.7 Direction of surface air movement around a LP cell in the southern hemisphere
- 1.1.8 A climatic condition in the Pacific ocean that causes an increase in temperature.
- 1.1.9 Force that determines the speed of wind.
- 1.1.10 Process by which land becomes infertile and cannot support vegetation.

(20)

QUESTION 2

2.1.1 Name the significant called about of A and C	4
 2.1.1 Name the circulatory cells labelled A and C. 2.1.2 Name the surface winds at cell labelled C 2.1.3 Mention the pressure belt found at 30°S. 2.1.4 Give 2 characteristics of the air found at 90°S. 2.1.5 Describe the weather conditions experienced at the 0° latitude. 	2 2 2 2 (12)
QUESTION 3	
3.1 Read the article in Figure 2 and answer the questions.	
 3.1.1 What is a drought? 3.1.2 Classify the type of drought discussed in the article. 3.1.3 State ONE effect that drought has on the economy of South Africa. 3.1.4 Suggest Three ways in which the government can help manage the negative impact of droughts in South Africa. (3x2) 	2 2 2 6 (12)
QUESTION 4	
4.1 Study Figure 3 on Föhn winds and answer the questions.	
 4.1.1 Explain your understanding of a Föhn wind. 4.1.2 Name the side of the mountain where the air is descending at A. 4.1.3 State the type of lapse rate occurring at B. 4.1.4 In which continent do Föhn winds occur? 4.1.5 What is "dewpoint temperature". 4.1.6 Estimate the approximate height at which the dewpoint temperature is reached in the diagram. 	2 2 2 2 2 2 2 (12)

QUESTION 5

5.1	Study the synoptic map in Figure 4 and answer the questions.	
5.1.3	the byhophe weather map, Give 2 reasons to	
5.1.2	support your answer.	5
5.1.3		2
	Africa can result in.	2
5.1.4	I a a more a more a more a more a market a marke	2
5.1.5	The state of the s	
5.1.6	between Pretoria and Durban. Describe the weather conditions at Dulamont 1 at 1 at 1.	4
5,1,0	Describe the weather conditions at Bulawayo under the following headings: Air temperature	
	Dew point temperature	
	Cloud cover	
	Wind direction	4
		(19)
SEC	TION B - MAPSKILLS	
	STION 6	
<i>C</i> 1		
6.1	Study the aerial photo (Figure 5) and answer the questions.	
6.1.1	Identify the type of aerial photo shown. Give a reason for your answer.	2
6.1.2	State 2 disadvantages of using this type of aerial photo (answer to 6.1.1)	3 4
6.1.3	Feature A is natural vegetation and feature B is a row of trees. Differentiate	-1
611	between the texture of feature A and B.	4
6.1.4 6.1.5	Feature C is a river. What does the lighter tone of the river suggest?	2
0.1.5	Feature D shows a linear uniform pattern of rows of trees. Identify what	
6.1.6	this feature is.	0
	this feature is.	2
6.1.6.1	this feature is. Define the following: Spatial resolution	
6.1.6.1 6.1.6.2	this feature is. Define the following: Spatial resolution Spectral resolution	2
6.1.6.1 6.1.6.2 6.1.7	this feature is. Define the following: Spatial resolution Spectral resolution When is the best time of the day to take an aerial photograph?	
6.1.6.1 6.1.6.2	this feature is. Define the following: Spatial resolution Spectral resolution When is the best time of the day to take an aerial photograph? What are the benefits of using a satellite image to track the path of a tropical	2 2 2
6.1.6.1 6.1.6.2 6.1.7	this feature is. Define the following: Spatial resolution Spectral resolution When is the best time of the day to take an aerial photograph?	2 2

TOTAL 100

PAGE 3 OF 6

ADDENDUM

FIGURE 1

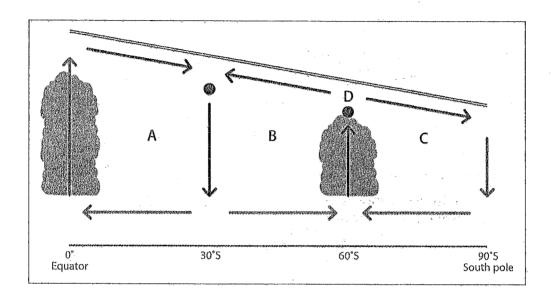


FIGURE 2

Agriculture minister has renewed hope SA will survive drought

Johannesburg - Agriculture Minister Senzeni Zokwana says he has renewed hope that the will survive the current drought due to recent significant The department says it's being estimated that the latest harvest will produce 7.4 million tons of shortage of 3.8 million tons of The minister says he is extremely concerned about the food price increases linked to the drought.

Zokwana says the recent heavy rain fall in much needed provinces have changed the country's bleak picture of maize supply. "Initially around November/December we may be compelled to import five and six million tons, but that has gone down because of the rains". He says the drought has hit the poor the hardest - something they tried to avoid.

Zokwana says government and stakeholders in the agriculture industry need to come up with new ideas how to change the current farming methods to avoid soil erosion and other drought-related issues.

[Source: News24]

FIGURE 3

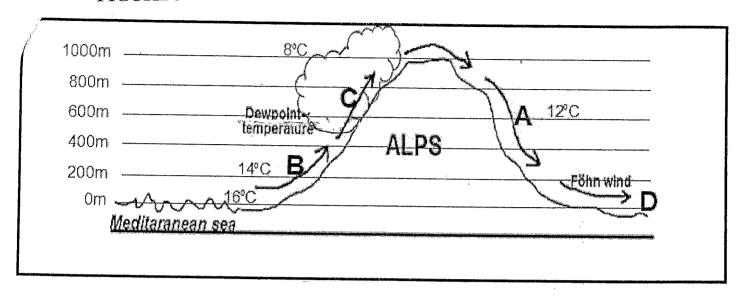
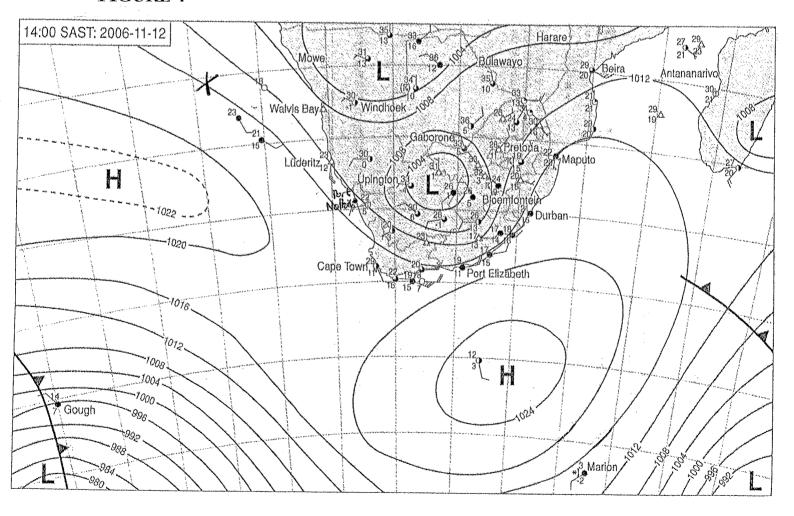
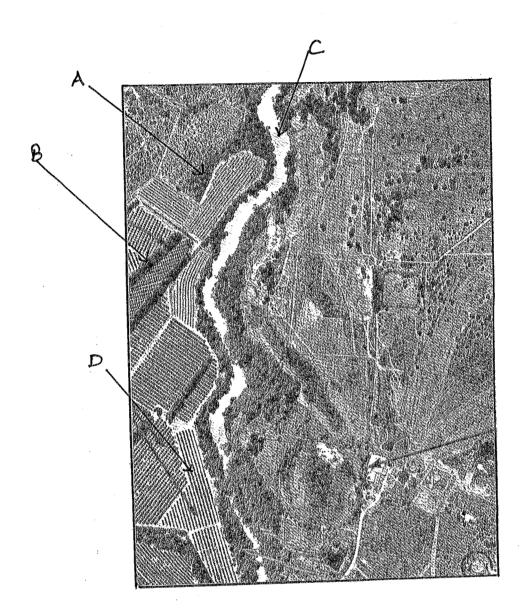
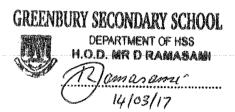


FIGURE 4







Marking Memo Grade 11 - Geog March 2016 Question 1 1.11. Isobars
1.11. Equinox
1.11.3 Coriolis Force 1.1.4. Geostophic wind 1.1.6. Mozambique / Agulhas 1.17. Clackwise 1.18. El Nino 119. PGF 1.1.10. Desertification. (20) Question 2. c - Polar 2.1.2. Polar easterlies 2.13. sub-dropical HP.

2.14. cold, dense, subsiding air (any 2)

2.15. Claudy condidans, thunderstorms. (12). Question 3 3.1.1. Prolonged period of little or no rounfall.
3.1.2. Agricultural drought

3.1.3. An increase in food prices.

3.1.4. Build more dams/reservoirs for water storage.

Desalination of stor water.

Wester transfer schemes. Impose writer restrictions, letc. (Any 3)

E CONTRACTOR OF THE PARTY OF TH	Question 4	المعاورة ورماية للمعاونة والمعاونة و
STATE OF THE PERSON NAMED IN	4.11. A warm dry wind that blaces ou	rifementania di descripto di mancione di constante di con
of the second	countries to the north of The European A	tlps.
erective the engine	4.12. Terrord side /	eggengar nyagangan ang mangan dina diak dikan melakatan ke panjar
private diction to	4.13. Wet adiabatic lapse rate.	disayenne elementar y marqui ana contributation di social
	4-14. Europe	egipi katikan da da mayari ngarar katikan katikan katikan da ma
	4.15. Temp. at which no more Evaporation	opphision of temperature production of the second of
	can take place - condensation begins.	ondon sassa poudotos e presidénte albes som combustica
	4-1-6. 500 m	Mengamen Managamengan inperpensional negaritation and a
		12)
magasta attaban shaked Supermustada attaban Baran sanan sanan sanan sanan sanan sanan sanan sanan sanan sanan Baran sanan		Me was made statistica i emphasionistationas dan startump view is their
nez ar con e i miner men e y Ar d'e Comit i i	Question 5.	o de griphono de primer proposa de mono recipio en esta esta el con-
	Sul Summer - LP on land, Temp is	high,
ent est eighte eigen köpligt op im betacher.	Claudy condidions, Daite (any 2 Hasons).	north denices who announces in a great and a
an Tar Administration and Administration of Section 2	5.1.2. Cold fort approaching	والمستركة والمراجعة والمراجعة والمراجعة والمستركة والمراجعة والمستركة والمراجعة والمستركة والمراجعة والمستركة
terratarion consecutiva in incinci-	5.1.3. rainfall	mhhmathacht Long postageoirean ig, ain a lite, ang a
-	514. 1016 mb	34000 540 648044 (6664 17192N) 1841 1857 - 1911 18 8 1851
-	5.1.5. Distance from the spain	Madizine e na filoquini de de de de distributo de distributo de
lance en significant de se se en el principale	Dunban is accorded + Prederica landles	+61.
999	Land heats + cools fewler than exem.	·····································
(130) Sec. 114 Boson and Sec. 115	Durbon temp moderated by sea -> cool	BV.
	5.16. Av temp - 35°C	encendeliggen over the break is by the standard various constitution.
in Manuschy and the Commission of the Association before	Dew point -10°C	Nonnimetta espiratuisidantenia stereneesiadiss
a managa da da managa ng managa ng mga mga mga mga mga mga mga mga mga mg	Chid over - averant	and a single state of the state
STANGORY II S 1900 SUUSING AM EE SEE	Wind direction - northerly	(P)
allingsy faithfrom angus friting musikahiri		据专事的基础/并决 procedut engle Rev HEDVA proceduc of Vo
мень оченую́ д в на можем 20 мето об		(State State S
erago y Palifer Sai et S-ro-ene e e e e e e e e e e e e e e e e e e		- gyravmeg skillake krivarska njeven dake a klandov digi skilake i
agh grandyng giggag e rennessyndi dans (si		Manufactory appears a second and a second an

e a construit de participa de la construit de	Question 6
س زئووس	and an an analysis and a second secon
jeisa-d i	6.1.1. Vertical aerial photo-taken from cubour.
ternanka indian	6.1.1. Vertical aerial photo-taken from above. 6.1.2. Birds eye view is not a familiar are.
ana algorina de 1884	Scale is usually small - difficult to identify
f-toesfulvoiste	fechies.
Mika-lunar	shadows may obscure features. (any 2).
	6.13 Feature X - coarse Tuneven
- he stief et af pal	Fonting B
marking Landston, S	6.14 River maybe shallow I carrying silt
la ar blengi ar yung	6.1.4 River merybe shallow / carrying silt 6.1.5. Orchard
	6.1.6.1. Spatial Resolution - detall or clarity
V 4 1. head 30	with which a map shows the location
1-7	and shape of agranaphic features.
	and shape of geographic features. 6.1.62. Spectural Resolution - refers to the
***********	range of radiction that a remote
nek V. Milniste By	sensing device is sensitive do .
ed to division per	6.17. Bet. 10 and 14.
dervan kalenda	6.1.8. We receive real time images - early
en elektroniska	excursing signs.
	Indicessible aros can be dracted +
	reserve teems can be deplayed.
	(Accept any other reasonable answer). (25)