KZN DEPARTMENT OF EDUCATION GREENBURY SECONDARY SCHOOL FIRST QUARTERLY TEST - 2017 GEOGRAPHY - GRADE 10

EXAMINER MODERATOR	: R. RANGANATHAN : F. PARUK	DATE DURATION MAX MARKS	: 23/03/17 : 1 HOUR 5 : 75
NAME :		GR/DI\	/.:

<u>INSTRUCTIONS</u>

- 1. This paper consists of TWO Sections, A and B.
- 2. Answer all questions in both Section A and B.
- 3. Write neatly and legibly and rule off after each question.
- 4. Write down your teachers name in full on the top left hand corner of your answer booklet..
- 5. Ensure that your paper consists of <u>5</u> printed pages and an Addendum of 3 pages.

SECTION A

QUESTION 1

1.1	Refer to the synoptic weather map fig 1.1 in the addendum and answ questions set.	er the
1.1.1	Identify the following : a) Fronts X and Y	[2]
	b) Low pressure D along the coast	[1]
	c) High pressure cells labelled A, B and C	[3]
1.1.2	Is this a summer or a winter map? Give a reason for your answer.	[1+1=2]
1.1.3	Refer to the weather station model at Durban.	
	Describe the weather under the following headings.	
	a) Air temperature	
	b) Wind direction	
	c) Wind speed	
	d) Cloud cover	[4X2=8]
		[16]
1.2	Refer to the diagram figure 1.2 and answer the questions that follow.	
1.2.1	Identify the layers labelled A, C and D.	[3]
1.2.2	What is the name given to the uppermost layer labelled B?	[1]
1.2.3	Give one characteristic of the Cirrus cloud depicted in the stratospher	e. [2]
1.2.4	What is the approximate height of layer A?	[1]
1.2.5	Name one permanent gas found in layer A.	[2]
1.2.6	The ozone layer is an important layer that is found in the stratosphere) .
	Briefly explain what would happen on earth if there was an absence	
	of the ozone layer. (2 answers).	[2X2=4]

1.3	that follow.	tions
1.3.1	Provide terms for 1,2,3,4 and 5.	[5X1=5]
1.3.2	With the aid of a diagram, explain the water cycle. Diagram : [6]	·
	Explanation : [6]	[12]
		[17]
1.4	Refer to the article figure 1.4 and answer the questions that follow.	
1.4.1	Define the following terms.	
	a) Global warming	[2]
	b) Greenhouse Effect	[2]
1.4.2	List 2 greenhouse gases.	[2]
1.4.3	What, according to the article are the effects of global warming?	
	(2 answers).	[2X2=4]
1.4.4	Many people are ignorant about global warming. List 2 things	
	mentioned in the article that the local authorities can do to change	
	people's mindsets and make them more aware of global warming.	[4]
		[14]

TOTAL FOR SECTION A [60]

SECTION B - MAPWORK + GIS

QUESTION 2

Refer to the map of Southern Africa figure 2 and answer the questions. Choose the correct option to complete the sentence. Write down only the letter of the correct answer.

- 2.1 Latitude is the angular distance.
 - a) North and south of the equator.
 - b) East and west of the equator
 - c) East and west of the prime meridian
- 2.2 The equator is:
 - a) The lowest meridian on the map
 - b) The lowest latitude on the map
 - c) The lowest co-ordinate on the map
- 2.3 A person standing at 20°S; 40°E would be :
 - a) In the Kalahari basin
 - b) In the Atlantic ocean
 - c) In the Mozambique channel
- 2.4 The position of Durban is approximately.
 - a) 30°S; 32°E
 - b) 32°S; 30°E
 - c) 30°S; 40°E
- 2.5 The ocean along the east coast (Dbn) is the :
 - a) Pacific
 - b) Indian
 - c) Atlantic

QUESTION 3 – GIS

3.1	Explain your understanding of geographical information systems (GIS).	[1]
3.2	Suggest 2 uses of GIS.	[2]
3.3	What do you understand by the term map projection?	[2]
3.4	Name the 3 types of spatial objects that you have studied.	[3]
3.5	Differentiate between vector and raster maps.	[2]

[10+5=15]

TOTAL FOR MAPWORK [15]

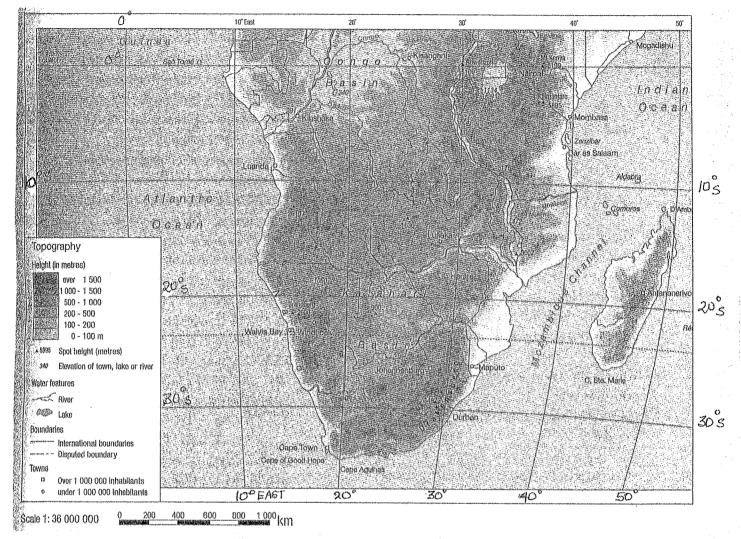
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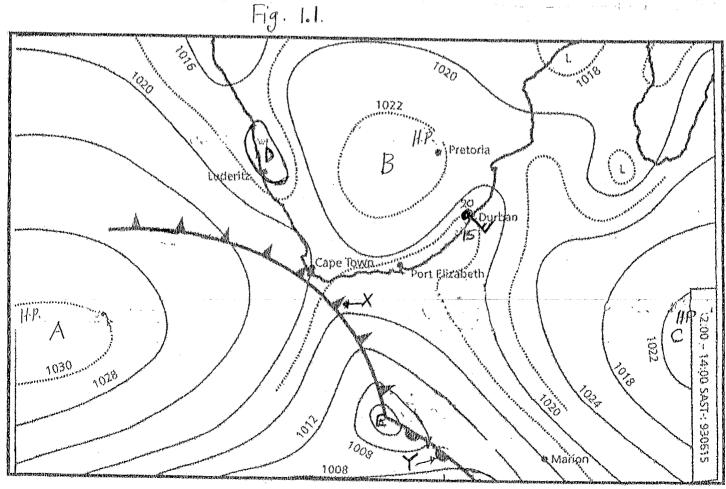
GEOGRAPHY GRADE 10

MARCH CONTROL TEST

2017

ADDENDUM





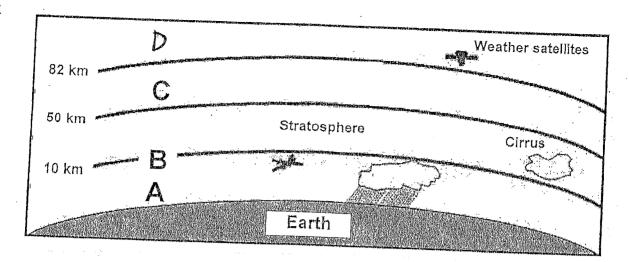


Fig 1.3. key liquid latent hear (water) absorbed latent heat released

solid

(ice)

Fig 1.4

Climate change concerns us all DY Mpungose

I HEARD the terms "global warming" and "greenhouse effect" many times, but until recently it had never occurred to me that I could have had anything to do with these phenomena.

3

gas

(water vapour)

My ignorance made me realise that there could be many other Durbanites who still need some education on these topics to help them live environmentallyconsciously lives and reduce activities that increase concentrations of greenhouse gases in the atmosphere.

As we experience ongoing effects of global warming in our daily lives and the climate gets worse by the season, our beautiful city is also affected.

We can't grow our own vegetables because of the heavy rains and high temperatures. People are dying in storms and scores of others are being left homeless. With all this happening we carry on with our breats by the heach exercise. on with our braais by the beach every weekend. Education campaigns are essential if we are to counter this ignorance and encourage our citizens to adopt a green lifestyle. The City's Communications Department, with other departments, could help make this possible. Our Municipality can also adopt

environmentally-sound bylaws that prohibit certain activities and promote good practices.

GREENBURY SECONDARY SCHOOL



DEPARTMENT OF HSS H.O.D. MR D RAMASAMI R)amasamı 15/03/17

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	Section B - Mapwork + GIS
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