LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
EDUCATION

CAPRICORN NORTH

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GRADE 11

GEOGRAPHY – TERM 1

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CONTROLLED TEST 1

MARKING GUIDELINES

MARKS: 60

Question 1

1.1

1.1.1. Winter

1.1.2. Tropic of Cancer

1.1.4. 22 June

1.1.5 Longer nights

1.1.6 Shorter nights

1.1.7 Equator



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1.2

1.2.1 D(hectopascal)

1.2.2 H (pressure gradient)

1.2.3 E (Coriolis force)

1.2.4. G (polar easterlies)

1.2.5 C (geostrophic wind)

1.2.6.A (front)

1.2.7.B (climatic region)

1.2.8. F (isotherms)



[8]

1.3.1. * Are hot and dry winds that descend s down the mountain (2)

1.3.2 A-windward side (1)

B- leeward side (1)

1.3.3 Leeward (1)

1.3.4.* Because when air travels down the slope, it is compressed causing it to warm up (2)

1.3.5. * Cause a sudden rise in temperature in a short space of time (2)

* Cause melting of snow which may lead to avalanches and flooding (2)

* Rapid spread of veld fires as they are hot and dry (2)

* Cause problems for mountaineers particularly in the Alps(2)

* Cause problems for farmers if the winds blows after spring seeds may die(2)

* Cause an increase in some illness like migraines(2)

ANY FOUR

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[15]

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1.4.1 a) South Atlantic HP cell (1)

b) Cold front (1)

1.4.2 4hpa (1)

1.4.3 – Air temp: 24 (1)

-Dew point temp: 21(1)

-cloud cover : overcast (1)

-wind direction : Easterly (1)

- wind speed : 15 knots (1)

1.4.4 System B- anticlockwise (1): * it is a high pressure system therefore the movement of air is anticlockwise in the Southern hemisphere (2)

1.4.5 Area C (1) - isobars are close to each other (2)

1.4.6 –the position of high pressure systems is further South (2)

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-the mid-latitude cyclone is also further South (2)

-the letter L (for LP system) in the interior(2)

- cloud cover in the land is mostly overcast indicating the high possibilities of rainfall (2)

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1.5

1.5.1 Is a prolonged period of abnormally low rainfall (2)

1.5.2 July (1)

1.5.3

Overgrazing = putting too many livestock a small area ove a long time(2)

Deforestation n =cutting down of trees (2)

Excessive irrigation – using larger amount of water to irrigation crops(2)

Monoculture =cultivating same crops on a piece of a over a long period of time (2)

1.5.4

* drought reduces yield production (2)

*discourages the growth of crops (2)

* leads to crop failure (2)

* reduce the carrying capacity of the land(2)

* reduce the flow of water (2)

1.5.5 *by building dams and reservoirs to provide much needed water during times of drought (2)

* By cloud seeding in order to induce rainfall in dry areas (2)

* Desalination of sea water to use for irrigation(2)

* Harvesting of rainwater (2)

* Transvansement to provide for irrigation in areas prone to drought (2)

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TOTAL: 60