LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
EDUCATION

VHEMBE WEST DISTRICT

NATIONAL SENIOR CERTIFICATE

GRADE 11

GEOGRAPHY
19 MARCH 2026
MARKING GUIDELINE
TERM 1 CONTROLLED TEST

MARKS: 60

DURATION: 1½hrs

These Marking Guidelines consist of 4 pages.

QUESTION 1

1.1

1.1.1 Insolation

1.1.2 Atmosphere pressure

1.1.3 Climatic region

1.1.4 Planetary wind

1.1.5 Front

1.1.6 Geostrophic flow

1.1.7 Isotherm

1.1.8 Spring equinox

(8 x 1) (8)

1.2 1.2.1 Polar

1.2.2 Hadley

1.2.3 Ferrel cell

1.2.4 Hadley

1.2.5 Polar

1.2.6 Ferrel

1.2.7 Hadley

(7 x 1) (7)

1.3

1.3.1 Warm and dry (gusty) wind that descends the mountain/ escarpment (1 x 2) (2)

1.3.2 A - Windward

B - Leeward (2 x 1) (2)

1.3.3 Orographic/ Relief (1 x 1) (1)

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1.3.4 A - DALR/ Dry Adiabatic Lapse Rate (2)

B - WALR/ Wet Adiabatic Lapse Rate (2) (2 x 2) (4)

1.3.5 The warm wind causes evaporation of moisture from the soil. (2)
The warm wind capable of fanning veld fires that will destroy crops (2)
Livestock/ Poultry may be killed by veld fires and thirst (2)
Poultry may die from excessive heat/high temperature (2)
Newly planted seeds may die / not germinate in the dry soil (2)
[ANY ONE]

(1 x 2) (2)

1.3.6 Warm moist air is forced to rise on the leeward side of the Mountain. (2)
Condensation takes place and precipitation occurs (rain falls) (2)

(2 x 2) (4)

[15]

1.4.1 Mid-latitude cyclone/cold and warm front (1) (1 x 1)

1.4.2 (a) High pressure (1 x 1)

(b) The pressure reading increases towards the center (2)
Pressure reading is above 1 013 hPa (2)
[ANY ONE] (1 x 2)

1.4.3 (a) Summer (1) (1 x 1)

(b) There is a low pressure over the continent (2)
The presence of a tropical cyclone (name)(2)
High temperatures on the continent (2)
High pressure systems are in their southerly positions (2)
High cloud cover over the interior (2)
Mid-latitude cyclone too far south to have an impact on the SA weather (2)
[ANY TWO] (2 x 2)

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1.4.4 It has a pressure reading of -1 000 hPa (2)
Pressure decreases towards the center
The lowest pressure is recorded at the center (2)
[ANY ONE] (1 x 2)

1.4.5 Temperature is high (20^0) (2)
Clear skies/No clouds (2) (2 x 2)

1.5

1.5.1 A longer period than normal without rainfall. (1 x2) (2)
[CONCEPT]

1.5.2 Climate variability/ variable climatic conditions (1 x 1) (1)

1.5.3 "Low and erratic precipitation" (1 x 2) (2)

1.5.4 Low levels of crop and livestock production
Unpredictable levels of crop and stock production
Reduced overall livelihood security (1 x 2) (2)
[ANY ONE]

1.5.5 Increase food production during years of enough rainfall (2)
Store surplus production each year (2)
Monitor weather conditions and warn people about possibility of drought (2)
Advice people to plant drought resistant crops (2)
Using water saving-devices. (2)
Water recycling and reusing/ implementing grey water recycling. (2)
Improving soil-health by using organic fertilisers (2)
Planting trees to improve water retention and reduce desertification (2)
Increasing awareness about water conservation. (2)
(ACCEPT OTHER RELEVANT ANSWERS)

[ANY FOUR] (4 x 2) (8)

[15]

TOTAL MARKS: 60

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