



**Subject:** Grade 8 Social Sciences (Geography)

**Topic:** Social Sciences (Geography): Exam Term 2

**Total:** 98 Marks

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1. false

2 marks

**Explanation:**

The further moisture-laden air blows from the sea, the more moisture it loses and the drier it becomes.

For this reason, inland areas generally receive less rain than coastal areas.

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2. 1 000 metres | 6,5° C

4 marks

**Explanation:**

The higher the altitude, the colder the temperature.

Air at higher altitudes is less dense and colder.

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3. A: 5,5°C

4 marks

**Explanation:**

The general rule is for every 1 000 m increase in altitude, the temperature drops by 6,5°C.

In this case,  $12^{\circ}\text{C} - 6,5^{\circ}\text{C} = 5,5^{\circ}\text{C}$

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4. A: the Western Province

4 marks

**Explanation:**

The Western Cape has a Mediterranean climate. It has warm, dry summers and mild, wet winters with a low summer rainfall.

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5. minutes | seconds

3 marks

**Explanation:**

We do not show minutes on a line map because this would cover the map with too many lines. We estimate where the minute lines will be.

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6. lower | colder | cooler

3 marks

**Explanation:**

The air at higher altitudes is less dense and colder.

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7. 13: 35 | 12: 35

4 marks

**Explanation:**

The time on the Big Ben is 11: 35.

Add two hours for the time during the UK winter (SA is 2 hours ahead of London) and add one hour for the time during the UK summer (Daylight Saving Time, where the clocks are put forward by an hour, comes into play).

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8. B: three

4 marks

**Explanation:**

The continent of South America lies in the southern (south of the equator), northern (north of the equator) and western (west of the Greenwich Meridian) hemispheres.

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9. B: subtropical

4 marks

**Explanation:**

Broadleaf evergreens such as palm trees and ferns flourish in subtropical regions.

Many plants here are evergreen because of the long months of warmth and regular rain.

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10. 17:00 | 5:00

3 marks

**Explanation:**

Greenwich is a place near London through which the Prime Meridian (0°) passes.

15° indicates a one hour time difference, so 30° is a two hour difference.

Cape Town lies to the east of the Prime Meridian and is therefore ahead of London's time.

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11. wind | winds | tradewinds

3 marks

**Explanation:**

They are driven by prevailing winds that blow over them.

The trade winds push water over the surface of oceans causing surface currents such as the Gulf Stream.

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12. Southern

3 marks

**Explanation:**

The Northern Hemisphere (north of the equator) experiences the summer solstice (December solstice in the graphic).

The South Pole experiences 24 hours of daylight.

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13. false

2 marks

**Explanation:**

The position of the sun on the Tropic of Cancer in the Northern Hemisphere determines the season of summer in the Northern Hemisphere.

The days are longer and the nights are shorter in the Northern Hemisphere.

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14. false

2 marks

**Explanation:**

It is found north and south of the tropical climate.

It is found between  $23\frac{1}{2}^{\circ}$  and  $40^{\circ}$  of latitude in both the northern and southern hemispheres.

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15. Great Karoo | windward

4 marks

**Explanation:**

Beaufort West receives an annual rainfall of 160 mm. The highest rainfall is in March and the lowest rainfall is in July.

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16. true

2 marks

**Explanation:**

Lesotho is encircled by South Africa and Swaziland is mostly encircled by South Africa.

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17. true

2 marks

**Explanation:**

Refer to the graphic for an explanation.

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18. true

2 marks

**Explanation:**

It is night time in Sydney. The image was taken at 12:00 UTC ( Co-ordinated Universal Time). Australia is to the East of the Prime Meridian and so it is later in the day in Australia.

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19. Asia | Europe | South America

6 marks

**Explanation:**

The seven continents of the world in alphabetical order are Africa, Antarctica, Asia, Australia, Europe, North America and South America.

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20. Winter

3 marks

**Explanation:**

21st June is the **winter** solstice in the Southern Hemisphere.

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21. ratio | small 4 marks

**Explanation:**

The bigger the number on the scale, the less the detail on the map will be.

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22. B: 14:00 4 marks

**Explanation:**

It is set in relation to the Greenwich Meridian Time of 12:00. There is a two hour difference between Greenwich, near London, and South Africa. South Africa is ahead in time.

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23. E: 0, 6 km 4 marks

**Explanation:**

Scale is 1: 10 000.

$$6 \text{ cm} \times 10\,000 = 60\,000 \text{ cm} = 600 \text{ m}$$

The distance on the ground (in real life) is 0, 6 km

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24. Madagascar | It is Madagascar. 3 marks

**Explanation:**

**Madagascar** is the fourth largest island in the world.

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25. antenna to send and receive information | power source such as a solar panel or battery 4 marks

**Explanation:**

The two main components of a satellite are an **antenna to send and receive information** and a **power source such as a solar panel or battery**, both of which are used to send and receive radio signals to and from earth.

On earth the radio signals are converted into satellite images.

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26. true 2 marks

**Explanation:**

It is **true** that from Earth, a geostationary satellite looks like it is standing still since it is always above the same location.

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27. International Date 3 marks

**Explanation:**

The International Date Line is an imaginary line that shows where the beginning of one day and the end of another come together.

The Line is drawn vertically on maps (refer to "B" on the graphic). It has several zigzags in it, deviating to pass around some territories and island groups.

It goes through no land except Antarctica.

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28. continental | maritime

4 marks

**Explanation:**

The maritime temperate region is close to the coast where the sea and the winds bring rain. The continental temperate regions are not influenced by the sea and therefore have more dry periods than the maritime temperate regions.

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29. true

2 marks

**Explanation:**

A vertical line from 3 and a horizontal line from C will cross in the block where Khayelitsha is situated.

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30. C: Locate areas that have a large population using electricity

4 marks

**Explanation:**

This image was taken at night and can be used to **locate the areas that have a large population using electricity**, as you can see where the most lights are being used in America through this picture.

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**Total:** 98 Marks