



## GAUTENG PROVINCE

Department: Education  
REPUBLIC OF SOUTH AFRICA

Ekurhuleni North District

# MEMORANDUM

Grade 5 Geography

Date: 26 November 2015

Total mark: 30

### Topics:

- Weather, climate and vegetation of South Africa
- Minerals and mining in South Africa

## SECTION A: CLIMATE AND WEATHER

### Question 1

[2 marks]

Underlining the correct word

1.1 (Weather / climate) is about conditions over a day or two. ✓ (1)

1.2 (Weather / climate) is about conditions over a longer period. ✓ (1)

### Question 2

[4x ½ = 2 marks]

Wind speeds from the **weakest to the strongest**:

**calm, breeze, strong wind, gale**

✓✓

**Question 3**

**[2 marks]**

Two types of precipitation

(1x2=2)

**Rain, hail, snow, sleet (any two)**

✓✓

**Question 4**

**[2 marks]**

4.1 Units used to measure:

4.1.1 temperature

°C

✓

(1)

4.1.2 rainfall

mm

✓

(1)

**Question 5**

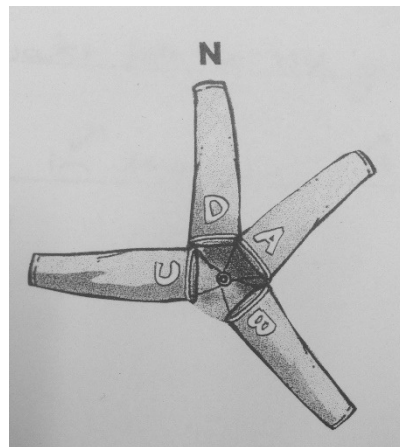
**[2 marks]**

Wind directions.

E.g A. South Westerly wind

B. **North westerly wind** ✓

C. **Easterly wind** ✓

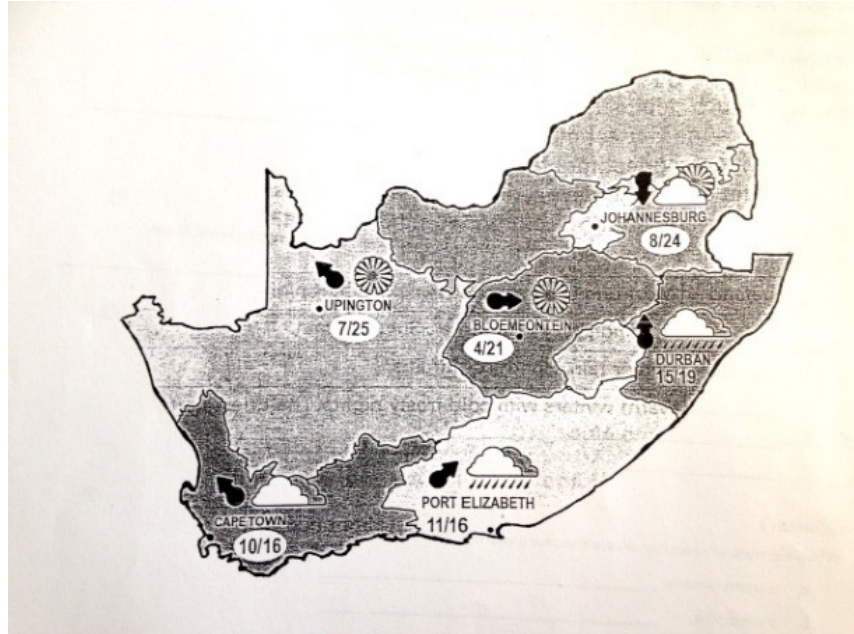


**Question 6**

**[2 marks]**

**Explaining** the weather for Johannesburg ✓✓

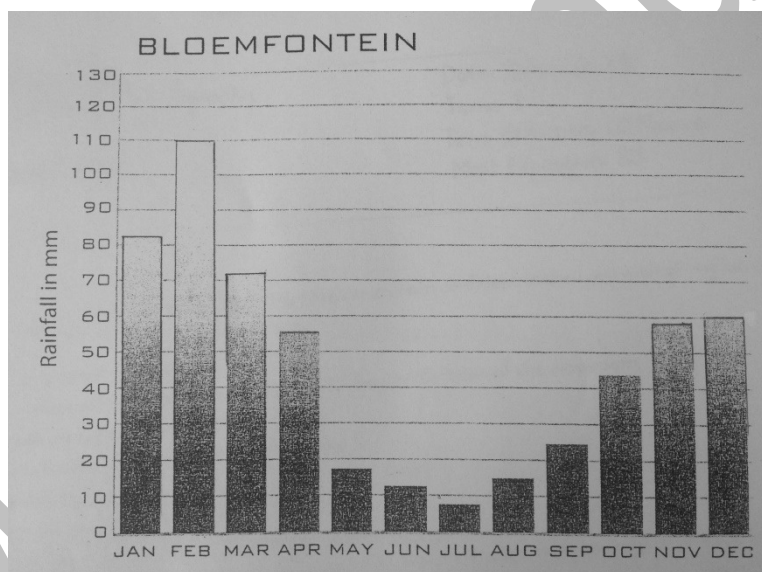
**Johannesburg will be partly cloudy with a maximum of 24°C and minimum of 8°C. Northerly wind will be blowing. (Give 1/2 for the following: partly cloudy, max 24°C, min 8°C, northerly wind) - 1/2 if it is not written in explanatory form.**



**Question 7**

**[3 marks]**

The bar graph shows the average monthly rainfall figures of Bloemfontein for the past 30 years. Look at the rainfall graph and answer the questions that follow.



7.1 Which month usually has the highest rainfall? (1)

**February** ✓

7.2 How much rainfall does this month get? (1)

**110mm** ✓

7.3 The lowest temperatures for Bloemfontein are usually in June, July and August, between  $-2^{\circ}\text{C}$  and  $17^{\circ}\text{C}$ . Can we say that Bloemfontein usually has wet, cold winters? Explain your answer. (1)

**No, Bloemfontein has cold and dry winters** ✓

## SECTION B: MINERALS AND MINING IN SOUTH AFRICA

### Question 8

[6 x 1/2 = 3 marks]

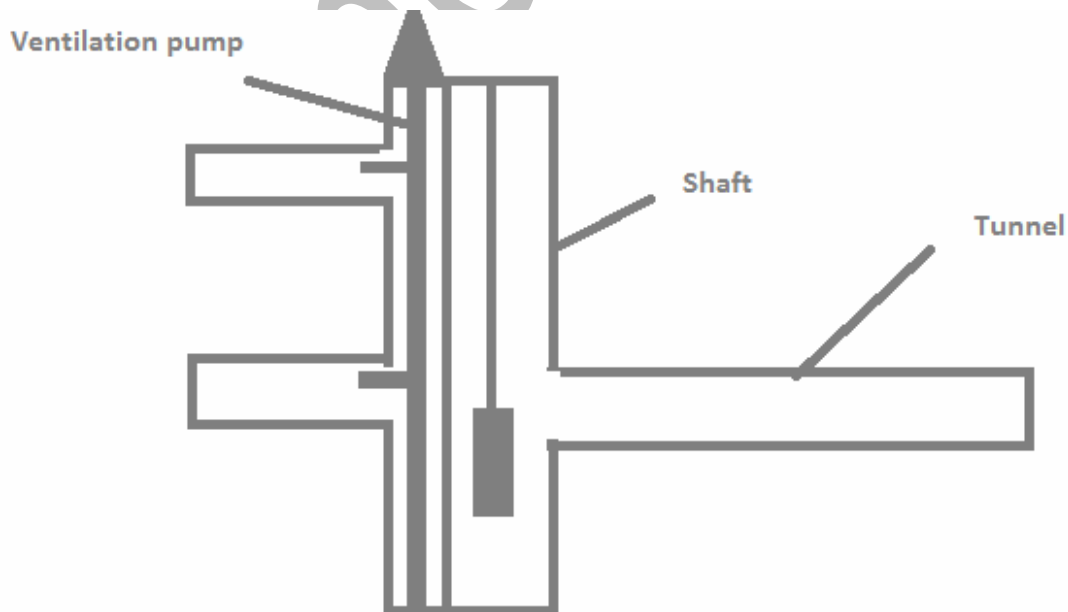
Match Column A with Column B. Only write the letter next to the number in Column C. ✓✓✓

Column A	Column C	Column B
1. Ventilation	1.b	a. On the surface
2. Rock fall	2.e	b. Fresh air
3. Deep level mines	3.d	c. Lung disease
4. Open pit mines	4.a	d. Below the surface
5. Ore	5.f	e. Can happen to the roof of a tunnel
6. Silicosis	6.c	f. Rock contains large amounts of a certain mineral

### Question 9

[3 marks]

Draw a simple sketch to show a shaft mine. Label the following on your sketch: shaft, tunnel, and ventilation pump.



✓✓✓

**Question 10**

**[4 x 1/2 = 2 marks]**

Four minerals from the block that can be used to make jewellery

Gold Platinum Chrome Iron Diamonds Manganese Copper

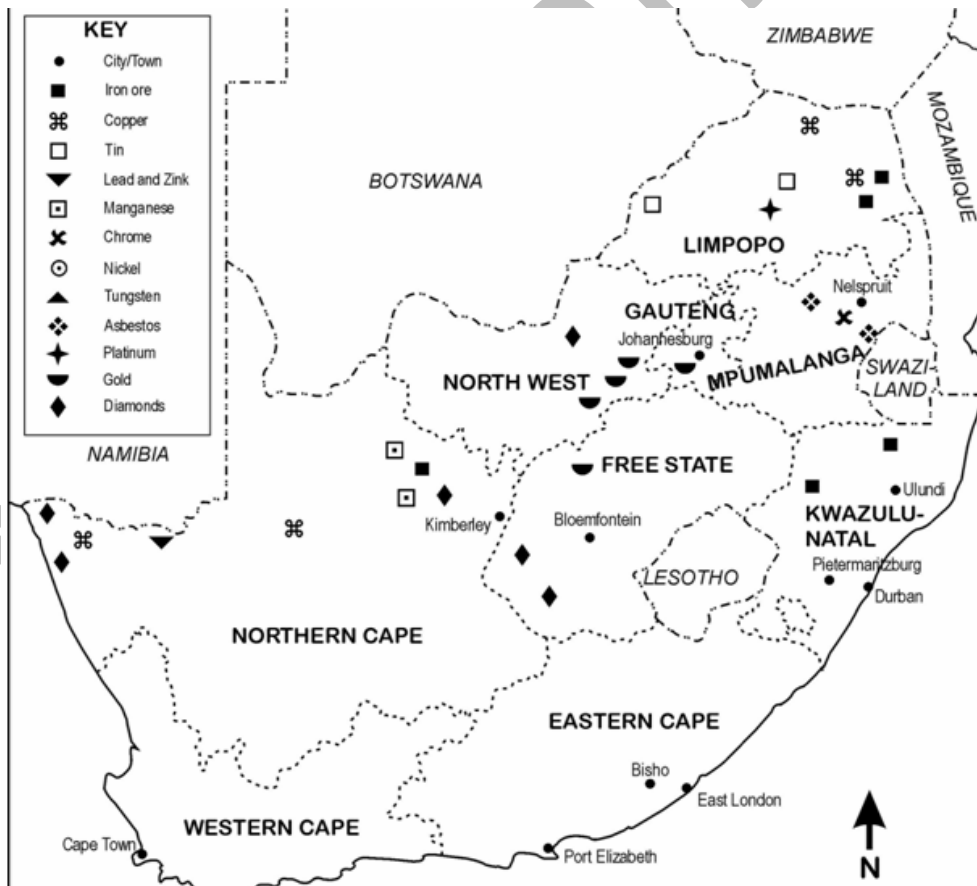
Gold  
Diamonds  
Copper  
Platinum

✓✓

**Question 11**

**[3 marks]**

Use the map below to answer the questions that follow.



Name the main province where each of the following minerals is found:

Minerals	Province
Tin	Limpopo ✓
Diamonds	Northern Cape ✓
Platinum	Limpopo ✓

(1x3=3)

**Question 12**

**[4 marks]**

Look at the photograph below and answer the questions that follow.



12.1 Name two pieces of safety equipment the miners in the mine are wearing.

Safety helmet / gloves / overalls (any 2) ✓✓ (1x2=2)

12.2 What is the name of the metal object in the picture?

Roof support ✓ (1)

12.3 Name one danger these miners could face in this mine.

Explosions / flooding / rock falls / poisonous gases ✓ (1)