



TOM NEWBY SCHOOL EXAMINATION - MEMO



Subject	Geography	Examiner	Mr J Maredi
Date	21 November 2017	Total marks	50
Session	1	Duration	1 Hour
Grade	Grade 5	Moderator	Miss Albertyn
Special instructions/ Equipment	<ul style="list-style-type: none"> • Read all questions carefully • Answer all questions on the answer sheet • Look at the mark allocation 		

This Exam has been compiled using notes and information contained in the Tom Newby School book. The marking memorandum has been compiled accordingly. While alternative responses will be given due acknowledgement, the official memorandum will be considered a priority document to ensure uniformity of marking.

Name and surname _____ Grade 5: _____

Section A: Climate and weather

Question 1

[4]

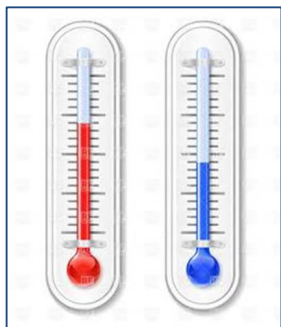
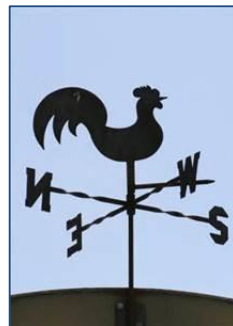
Underline the correct word in the following sentences.

- 1.1 (Rain ✓/Snow) is measured in millimetres.
- 1.2 Mist, dew and frost are all formed from (Precipitation/Water vapour ✓).
- 1.3 We measure temperature in (Degree Celsius ✓/Weather).
- 1.4 (Annual rainfall ✓/Seasonal rainfall) is the total rainfall that falls during a year.



Question 2**[4]**

Name the type of weather instruments shown in each photograph.

**Photo A: Thermometer** ✓**Photo B: Weather vane** ✓**Photo C: Rain gauge** ✓**Photo D: Wind sock** ✓**Question 3****[3]**

Define the following words.

3.1 Weather. (1)

Weather tells us about the conditions outside now and it can change at any time. ✓

3.2 Natural vegetation. (1)

Refers to the plants that have grown in a place without interference from people. ✓

3.3 Climate. (1)

Climate describes the weather over a long period of time. ✓

Question 4:**[9]**

Answer the following short questions.

4.1 How do you think farmers can control the temperature on their farms? (1)

Own opinion. When there is a draught some farmers store up water from the bore holes and use the water for their crops. ✓

4.2 Name any two elements of weather. (2)

A. Clouds, Wind ✓

B. Temperature, Rainfall ✓

4.3 What is a **protea plant**?

In which region do we find the protea plant? (2)

Protea plants have small leaves and do not need allot of water. ✓

They are found in the fynbos regions. ✓

4.4 If there was no weather report, would a farmer still be able to measure the direction of the wind? Give a reason for your answer. (2)

Yes, most farmers build their own weather instruments. ✓

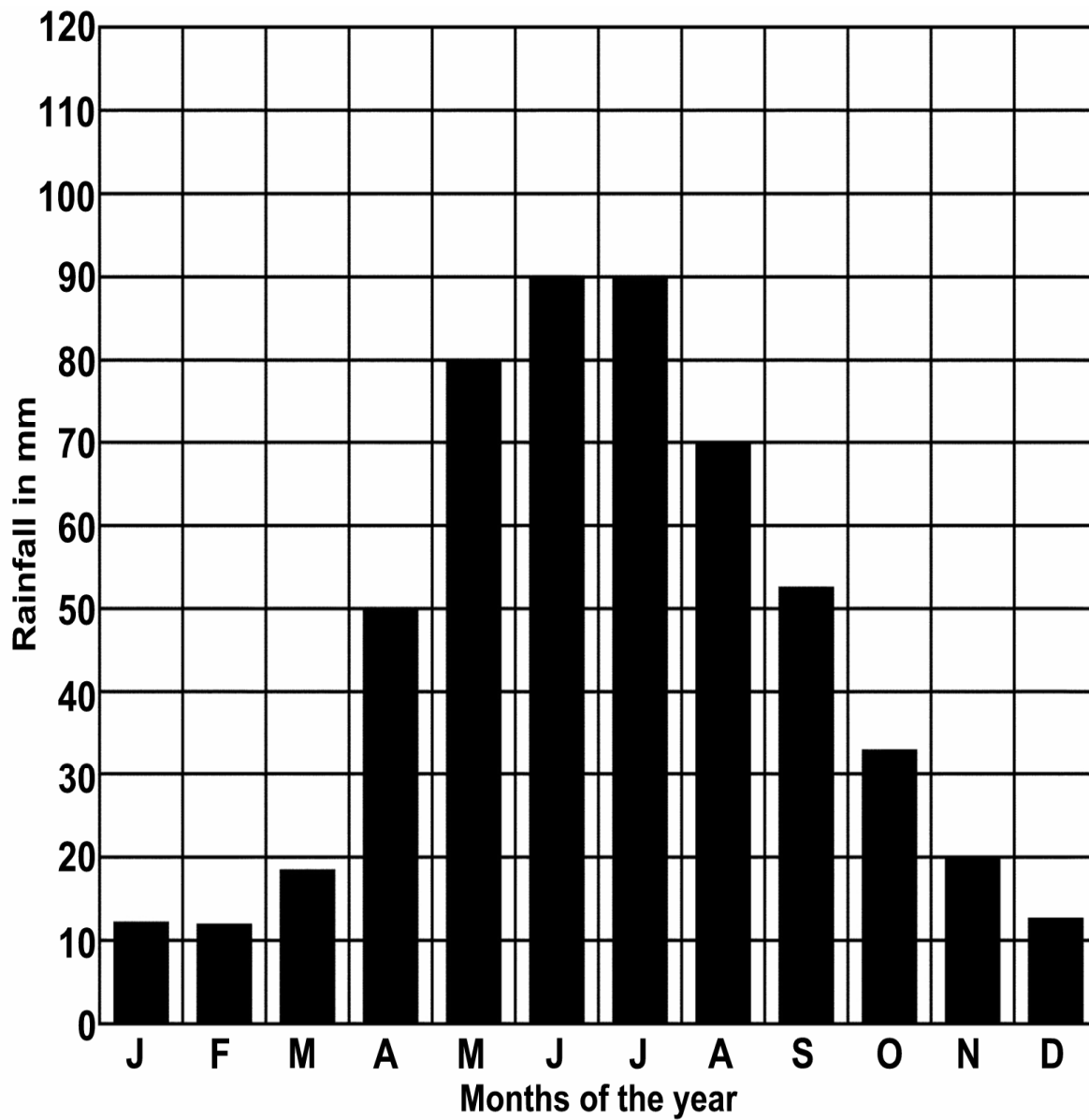
eg. Weather vane or wind sock. ✓

4.5 Why do you think that it is important for people to know about the weather and climate which we experience every day of our lives? (2)

Own opinion. It is important to know about weather and climate, because weather can affect our daily lives eg. Weather plays an important role in the clothes we wear. ✓

Question 5**[10]**

Look at the graphs and answer the questions that follow.

Annual rainfall for Cape Town

5.1 Answer the following questions using the bar graph on **page 4**

5.1.1 Why do you think that Cape Town gets most rainfall between the months of June, July and August?
(1)

It is winter season during those months and Cape Town get their rainfall during winter. ✓

5.1.2 Which month had too little rainfall?
(1)

February ✓

5.1.3 How much rainfall was there in Cape Town during the month of December?
12mm ✓ (1)

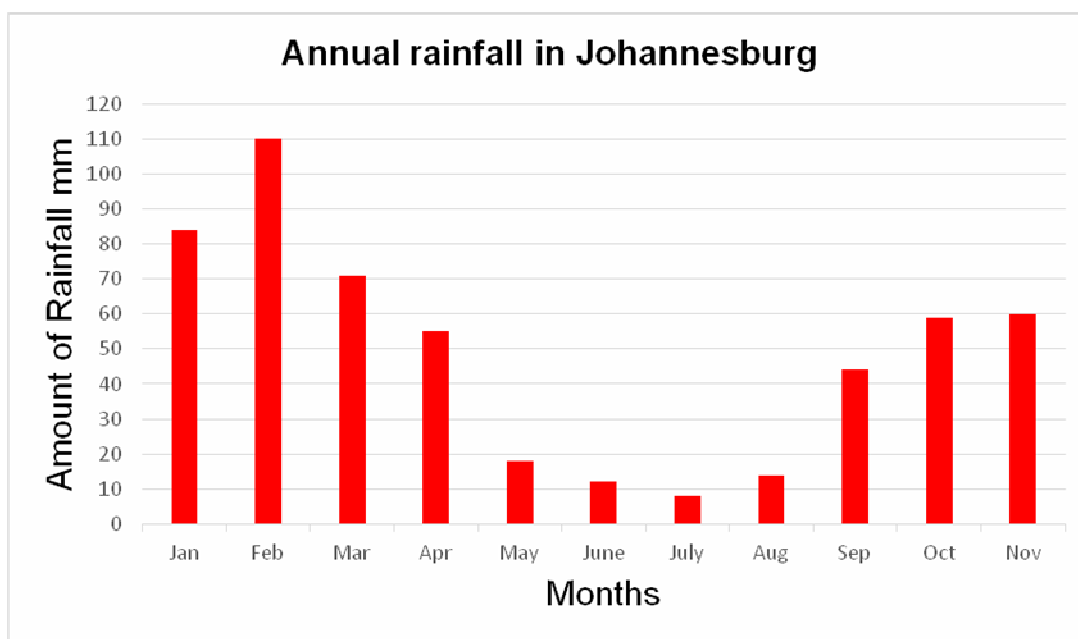
5.1.4 During which season in Cape Town would you plant your crops?
Give a reason for your answer.
(2)

During winter, because this is when Cape Town gets their rainfall. ✓

5.2 Use the information to draw a bar graph for the annual rainfall in Johannesburg. (5)

Annual rainfall at Johannesburg

Month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov
Rainfall	84	110	71	55	18	12	8	14	44	59	60



1
Title ($\frac{1}{2}$)
Bars (1)
Correct scale (1)
1
Months ($\frac{1}{2}$)
Axis names (1)
Final presentation (1)

Section B: Minerals and mining in South Africa

Question 6

[5]

6.1 How does mining affect the environment?
(1)

The toxic gases and all the pollution coming from the mines are harmful to the environment. ✓

6.2 Name two examples of safety clothes which miners wear for protection.

A. Thick gumboots goggles for eye protection ✓ (1)

B. Hard hats, Mack ✓ (1)

6.3 Why do think that it is very important to provide training for miners?
(1)

It is important to provide training because the mines need to know how to use the machines. ✓

6.4 Name one danger which miners might face while working in the mines. (1)

They might get hurt by falling rocks, get injured from machines, poisonous gases. ✓

Question 7

[4]

State 4 important activities which take place during the process of mining.

7.1 Drilling – Holes are made and soil and rock is loosened. ✓

7.2 Blasting – They use explosives to break open rocks. ✓

7.3 Hoisting – The minerals are pulled to the surface. ✓

7.4 Transportation – The minerals are moved to factories. ✓



Question 8**[4]**

State whether the following statements are true or false.

If false, correct the statement.

8.1 Mines use a lot of electricity which is made from coal-burning power stations. (1)

True. ✓

8.2 The earth is made of minerals and water. (1)

False, minerals and rocks. ✓

8.3 A shaft is a long thin tunnel that goes downwards. (1)

True. ✓

8.4 People in South Africa use coal as a source of energy for cooking and for warming themselves up during winter. (1)

True ✓

Question**9****[3]**

Explain **three** ways on how waste from the mines can be controlled

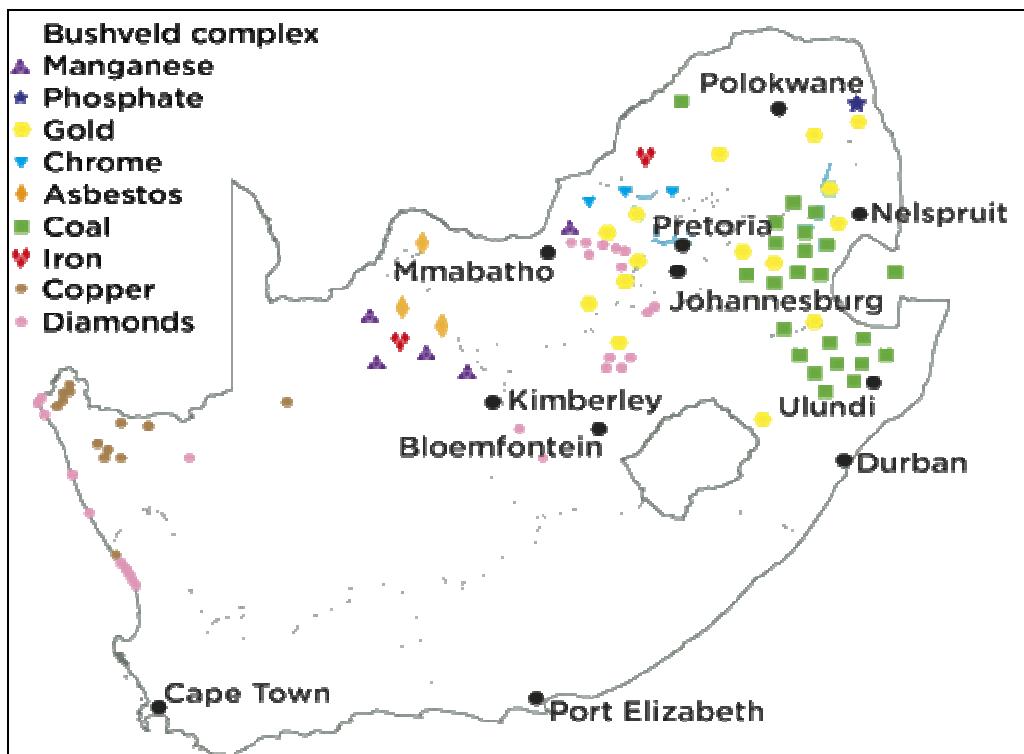
9.1 Polluted water is treated with chemicals to make it clean so it can be reused. ✓

9.2 Old metal is sold as scrap to be made into new metal. ✓

9.3 The sand and rocks from old mine dumps are used to make bricks. ✓

Question 10**[4]**

Use the map below to answer the questions that follow.



10.1 Name one city which has no minerals.

(1)

Port Elizabeth. ✓

10.2 What is a non-renewable resource?

(1)

Something that cannot be used again. ✓

10.3 Near which city do you find the most coal mining?

(1)

Ulundi / Nelspruit. ✓

10.4 Name the most mined mineral that is found near Kimberly. (1)

Diamonds. ✓

Total Marks: [50]