GAUTENG PROVINCE
Department: Education
REPUBLIC OF SOUTH AFRICA

Ekurhuleni North District

MEMORANDUM

Grade 6 Geography **Total mark: 40**

Date: November 2015

Topics:

- **Climate and vegetation around the world**
- **Population – why people live where they do**

SECTION A: POPULATION – WHY PEOPLE LIVE WHERE THEY DO **20 MARKS**

Question 1 **[6 marks]**
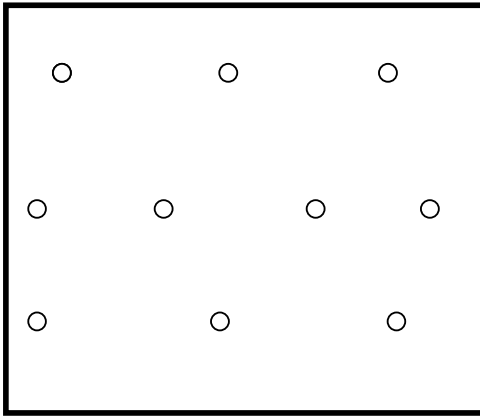
1.1 Refer to *Annexure A- The picture of an island* and answer the questions below

a. What does a single dot on the map represent? It represents <u>100 people.</u>✓ (1)

b. How many people live in district C? <u>400 people</u> live in district C. ✓ (1)

c. Which district has the highest population density? <u>District A</u> is densely
populated ✓ (1)

d. Which district has the most even population distribution? District B ✓ (1)

e. Why do you think New Town developed? [Learner's relevant answer] <u>E.g. Job
opportunities created by mines, District A getting overpopulated thus
resources getting scarce,</u> etc ✓ (1)

f. Give one reason why so few people live in District D.
[Learner's relevant answer] <u>E.g. Very few activities taking place, no job
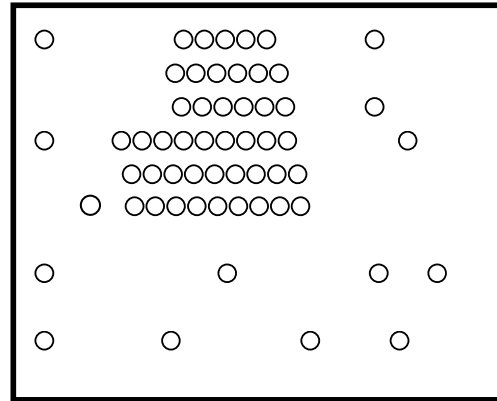opportunities, no towns nearby,</u> etc ✓ (1)

Question 2   [2 marks]

Population distribution is the way people are spread over an area. Use dots to show these distributions.

        even distribution   ✓   **densely populated** ✓

(2)

Question 3   [4 marks]

	Free State	KwaZulu-Natal	Limpopo
Size of province (in square kilometres)	129 480	92 100	123 910
Total population	2 900 000	10 700 000	5 500 000
Population density (per square kilometre)	22	116	44

The table above compares three of South Africa's provinces. Look at these tables and decide which of the statements are **true** and which are **false**.

3.1 Limpopo is the smallest in area of three provinces. **False, KwaZulu- Natal is the smallest of the three.** ✓

3.2 Limpopo has the second highest population density of the three provinces.
True. ✓

3.3 More people live in KwaZulu-Natal than in Free State and Limpopo put together.
True. ✓

3.4 Based on these numbers, more people live in the bigger provinces than in the smaller provinces.
False, KwaZulu-Natal is the smallest of the three provinces but more people live there. ✓   (1x4=4)

Question 4   [2 marks]

4.1 Why do people move from rural areas to towns and cities/urban areas?
Learner's relevant answer e.g. Job opportunities, better living conditions, well resourced schools, etc. ✓   (1)

4.2 Gauteng is the smallest province yet the highly populated province in South Africa.
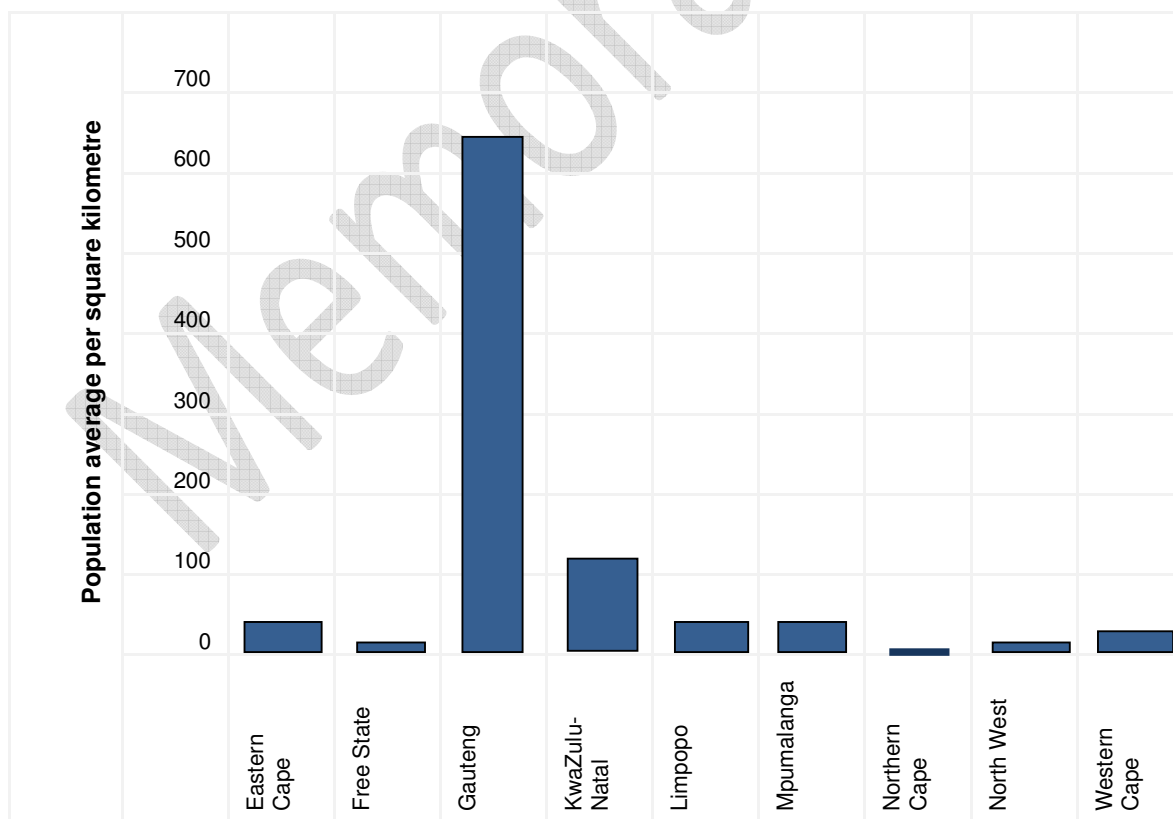Explain why Gauteng is densely populated.

Learner's relevant answer e.g. Job opportunities, better living conditions, well resourced schools, hospitals, better transport facilities etc. ✓   (1)

Question 5   [6 marks]

5.1 Carefully study the bar graph below then use the information on the graph and words in the boxes below to complete the following sentences.

Population density averages for each province

(a) <u>Gauteng</u> is the most densely populated province in South Africa. ✓

(b) Why do you think most people want to live in the densely populated province?

Learner's relevant answer e.g. Job opportunities, nearby schools, etc ✓

(c) Northern Cape is the thinly populated province in South Africa. ✓

(d) Do you think South Africa's population is evenly distributed throughout the country? [Give a reason for your answer]

No, some provinces are densely populated while others are thinly populated. ✓

(1x4=4)

5.2 Give the meaning of the following terms:

a. <u>population distribution</u> is the way in which people are spread across an area. ✓

b. <u>population density</u> is the number of people in an area. ✓   (1x2=2)

SECTION B: CLIMATE AND VEGETATION AROUND THE WORLD

Question 6   **[4 marks]**

The table below shows temperatures for hot, mild and cold climates. It shows what the temperatures are usually like in winter and summer.

Climate	Winter temperatures	Summer temperatures
Cold	Under 0º C	Under 0ºC to 20ºC
Mild	0º C to 20º C	20ºC to 30º C
Hot	20º C to 30º C	20º C to over 30º C

Choose <u>mild</u>, <u>cold</u>, or <u>hot</u> to complete these sentences

a)   The summer temperatures of cold climates are usually the same as the winter temperatures of <u>mild</u> climates. ✓   (1)

b)   The summer temperatures of mild climates are usually the same as the winter temperatures of <u>hot</u> climates ✓   (1)

c)   Winter temperatures of <u>cold</u> climates are usually under 0ºC. ✓   (1)

d)   Summer temperatures of <u>hot</u> climates are usually 20ºC to over 30ºC. ✓   (1)

Question 7   **[3 marks]**

Study the picture below and answer the following questions.

    7.1 Which plants are usually found in this climate?

       a. Plant with short roots

       b. Plants that have spikes ✓

       c. Plants that require a lot of water   (1)

 7. 2 Wildlife found in this biome include

      a. Camels   ✓

      b. Cattle

      c. Horses   (1)

7.3 The hottest desert in Africa is the **Kalahari**   ✓   (1)

Question 8   **[4 marks]**

8.1 Explain these terms: climate and weather

a. **climate** : what the weather is like in an area over a long time ✓

b. **weather**: the temperature, rainfall and wind on a particular day ✓

                                         (1x2=2)

8.2 State whether the following sentences describe weather or climate.

a. It is cold and dry in winter. Climate ✓

b. It warm and windy today. Weather ✓   (1x2=2)

Question 9 [5 marks]

Match these words and their meanings. Write your answers in the small boxes below. Write the number only.

	Words		Meanings
a.	coniferous	**1**	Water that comes out of the air
b.	Hibernate	**2**	A place in the desert where the water table rises to the ground level
c.	Oasis	**3**	Removing trees without planting new ones
d.	Deforestation	**4**	Trees that have cones and thin needles for leaves
e.	Precipitation	**5**	To sleep in the winter months

a [4] ✓   b [5] ✓   c [2] ✓   d [3] ✓   e [1] ✓

Question 10 [4 marks]

10.1 How do coniferous forest animals like Arctic fox, Hawk, caribou, wolf, beaver etc survive in their cold environment? Give 2 ways of surviving

a. They hibernate.

b. They migrate.

c. They store food for winter   (Any 2 answers) ✓✓   (1x2=2)

10.2 What are the adaptations that help coniferous trees survive in cold climates? Give 2 facts

a. Plants like pine trees have thin pin-like leaves that help them to survive in the cold climate.

b. Plants grow slowly in a year that many animals walk away to find enough food.

c. Some plants' branches grow downwards thus preventing branches from breaking under heavy snow.   (Any 2 answers) ✓✓   (1x2=2)