

GRADE 7 EXAM

NOVEMBER 2021

Name and Surname: _____ Class: _____

INSTRUCTIONS:

1. Answer **ALL** the questions in the spaces provided in this question paper.
2. Write neatly and legibly.

Marks obtained by:	Q 1	Q 2	Q 3	Q 4	Q 5	Total
	10	10	10	10	10	50
Teacher:						
School Moderator:						
District Moderator:						

SECTION A: POPULATION CONCEPTS AND FACTORS AFFECTING BIRTH AND

DEATH RATE

Question 1

CIRCLE the correct answer below.

- 1.1 Population growth depends on the:
A People dying on a daily basis
B People being born on a daily basis
C The migration of the people
D All the answers above (1)
- 1.2 The number one killer disease that affect the population of the world is:
A Smallpox
B Tuberculosis
C HIV / AIDS
D Flu (1)
- 1.3 Most people migrate because of:
A Job opportunity around the world.
B Being bored
C Feel like migrating
D Run away from Ebola (1)
- 1.4 Developed countries have a lot of elderly people because:
A Their countries' health services have up to date equipment and medication for them
B They deserve to be there
C They are well cared for
D The elderly die of a variety of sicknesses (1)
- 1.5 Which country in Africa is the best developing country from these below?
A Ethiopia
B Zimbabwe
C South Africa
D Ghana (1)
- 1.6 Study the pictures below and write a paragraph about Economic status and how this affects the birth and death rate of a country.
Your paragraph should include the following points:

-
- A photograph of a young boy sitting on the ground, holding a baby. They are in a camp with debris and a large pot nearby.

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

[10]

Question 2: WORLD POPULATION GROWTH

2.1 Read the following case study and answer the questions that follows: **Scientific**

developments

People have better a chance of living longer because of scientific development. Medicine has been developed and health care is improved by scientific developments. These are new ways that scientists have developed to make our lives better, like health services, living conditions, and general things we need in our everyday life. There has been a decrease in death rate and infant mortality all over the world due to scientific developments. Discoveries have led to technological advances that helped to improve lives.

Here are some scientific developments:

For a long time people thought diseases were spread by bad smells. Science has helped us to understand diseases and this has made it easy to treat and control diseases. Vaccinations and medicinal drugs helped to control diseases. Immunization has also been used in many countries to prevent their babies from dying.

In 1860 a French scientist named Louis Pasteur proved that diseases are spread through air and in water by germs. Pasteurization has been named after him- i.e. a process that kills germs in fresh milk. In the past many patients died during and after operations; but after a process of washing hands and changing clothes before assisting the next patient was introduced the death rate dropped in Vienna hospital (Austria). John Lister, a surgeon ,began to clean and sterilize everything used during operations- patient's skin, surgeon's hands, instruments, sewing threads and cotton wool. That was done with the use of antiseptics such as carbolic soap. Today antiseptics such as Dettol, Lysol and Savlon are used` Death rate in Lister's surgery fell from 50% to 5% in two years. Later surgeons wore special sterile gowns and masks instead of their ordinary clothes. Rubber gloves were invented in 1890

2.1 Explain the term "Scientific Developments" in your own words.

(2)

2.2 Mention THREE scientific developments that are mentioned in the article. (3)

2.3 How have these developments affected the world population? (1)

2.4 What is Pasteurization? (1)

2.5 What caused the death rate in Vienna in Austria to drop? (1)

2.6 What caused the infant mortality rate to decrease? (1)

2.7 Mention one disease you were immunized against when you were a baby. (1)

[10]

SECTION B

Question 3: NATURAL RESOURCES

The picture below depicts the use of natural resources. Analyze and answer the questions that follow:



Minerals

1. Outline ways people can use the following resources: (4)

i. Minerals

ii. Air

iii. Soil

iv. Water

2. When people overuse resources in a harmful or damaging way, we say they abuse the resources. What are some of the effects of abusing natural resources?

(3)

-
-
-
-
-
3. What do the words “condensation” and “evaporation” in the natural water cycle mean? (2)

-
-
-
4. Define the word “food chain” (1)

[10]

QUESTION 4 Management of resources

4.1.

Study the picture below and answer the questions that follow:



Figure 1: Ocean Safari - Marine Life; KwaZulu-Natal

1. State the difference between **Abuse** and **Preserving resources**. (2)

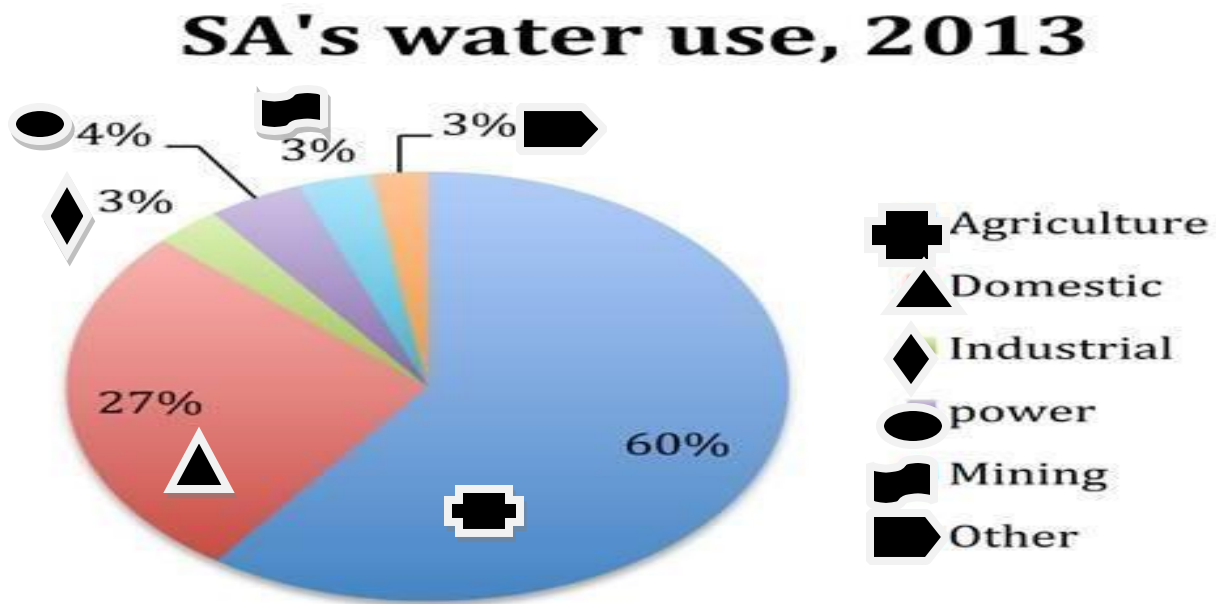
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-
2. Do you think conservation is necessary for the environment? Critically support your answer. 1+2 (3)

3. South Africa protects about 17% of its coastline. Marine protected areas are an important part of South Africa's conservation areas. What are the main aims of the marine reserves? (3)

4. Briefly define Eco-tourism. (2)

QUESTION 5 Water in South Africa

1. Refer to the pie chart on the next page and answer the questions that follow.



1. Which sector uses most of the water? What are the main uses of water in this sector? (2)

2. What is the percentage of water used for the removal of minerals? (1)

3. What changes would there be in the Domestic sector of the pie graph, if the population of South Africa doubled? (2)

4. It is estimated that South Africa will require about double its present water by 2030. Building of more dams has been suggested to meet this future requirement, but there are many disadvantages to building dams. In a paragraph, suggest FIVE (5) things that can be done to ensure

availability of water in the future besides building more dams. (5x1)

[illegible]

[10]

SECTION B TOTAL: 30 MARKS

TOTAL: 50 MARKS