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Department of
Education
FREE STATE PROVINCE

GEOGRAPHY

TEST TWO

GRADE 10

Stanmorephysics.com

SEPTEMBER 2023

MARKS: 60

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TIME: 1 HOUR

This question paper consists of 7 pages.

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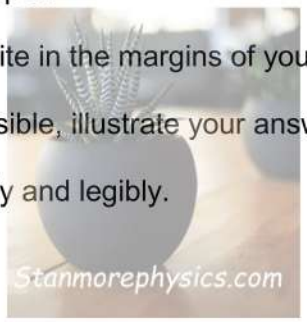
INSTRUCTIONS AND INFORMATION

1. Answer ALL the questions.
2. Answer the paragraph questions in the form of a paragraph.
3. ALL diagrams are included in the QUESTION PAPER.
4. Leave a line between subsections of questions answered.
5. Number the answers correctly according to the numbering system used in this question paper.
6. Do NOT write in the margins of your ANSWER BOOK.
7. Where possible, illustrate your answers with labelled diagrams.
8. Write clearly and legibly.



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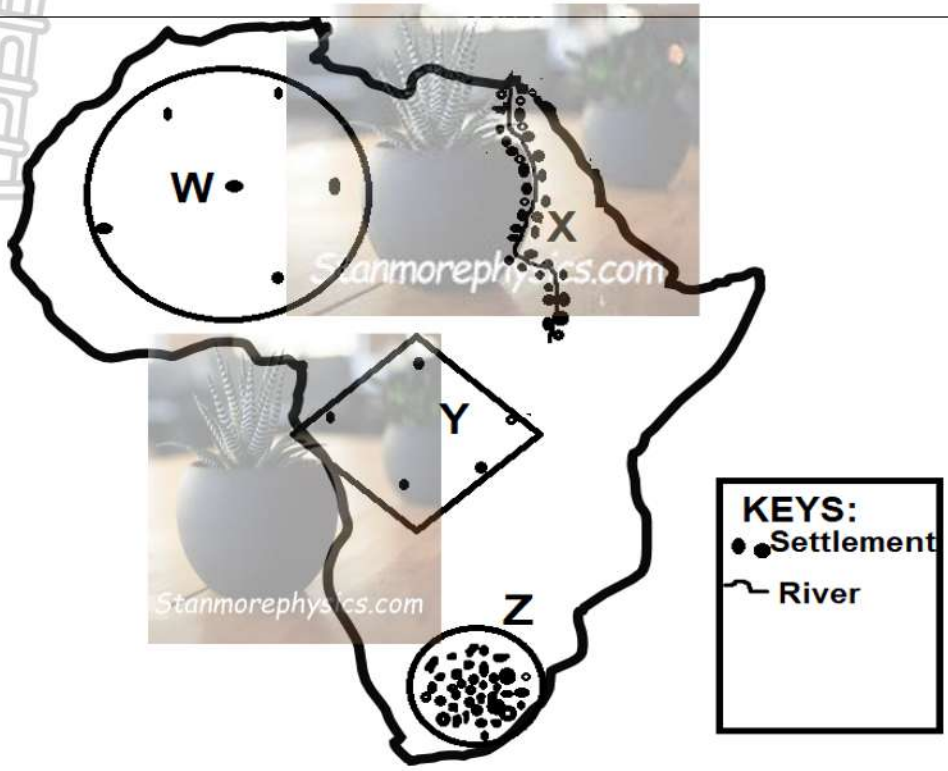
1.1 Refer to the diagram below to answer the questions that follows. Various options are provided as possible answers to the following questions. Choose the correct answer and write only the letter (A–D) next to the question number (1.1.1–1.1.8) in the ANSWER BOOK, e.g. 1.1.9 D.



Source: examiners own scketch

1.1.1 A region with low population density due to extremely hot and dry conditions

A W
B X
C Y
D Z

1.1.2 Regions with dispersed pattern…

A Z and Y
B W and Y
C X and Z
D X and W

1.1.3 A linear settlement region where people settle along the river to access water…

A W
B X
C Y
D Z

1.1.4 A densely populated region due to economic opportunities…

A W
B X
C Y
D Z

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1.1.5 Sparsely populated region due to hot, humid climate and thick forest…

A W
B X
C Y
D Z

1.1.6 Densely populated regions…

A X and Z
B W and Y
C X and W
D W and X

1.1.7 Sparsely populated region due to desert…

A W
B X
C Y
D Z

(7x1) (7)

1.2 Complete the statements in COLUMN A with the options in COLUMN B. Write down only **Y** or **Z** next to the question numbers (1.2.1 to 1.2.7) in the ANSWER BOOK, e.g., 1.2.9**Y**.

COLUMN A	**COLUMN B**
1.2.1 The number of males for each female...	**Y** Sex ratio **Z** Sex structure
1.2.2 People who do not work and rely on others for support	**Y** Economically active **Z** Economically dependent
1.2.3 Rate at which the population is increasing or decreasing	**Y** Natural population increase **Z** Doubling time
1.2.4 Society rely mainly on agriculture and people are not well educated	**Y** Stage 2 of demographic model **Z** Stage 1 of demographic model
1.2.5 Shows how people are spread over the area.	**Y** Population density **Z** Population distribution
1.2.6 Based on the relief, climate, water supply and vegetation	**Y** Social factors **Z** Natural factors
1.2.7 The average number of years a person is likely to live.	**Y** Total fertility rate **Z** Life expectancy
1.2.8 The movement of people from rural areas to urban	**Y** Rural- urban migration **Z** Urbanisation

(8x1) (8)

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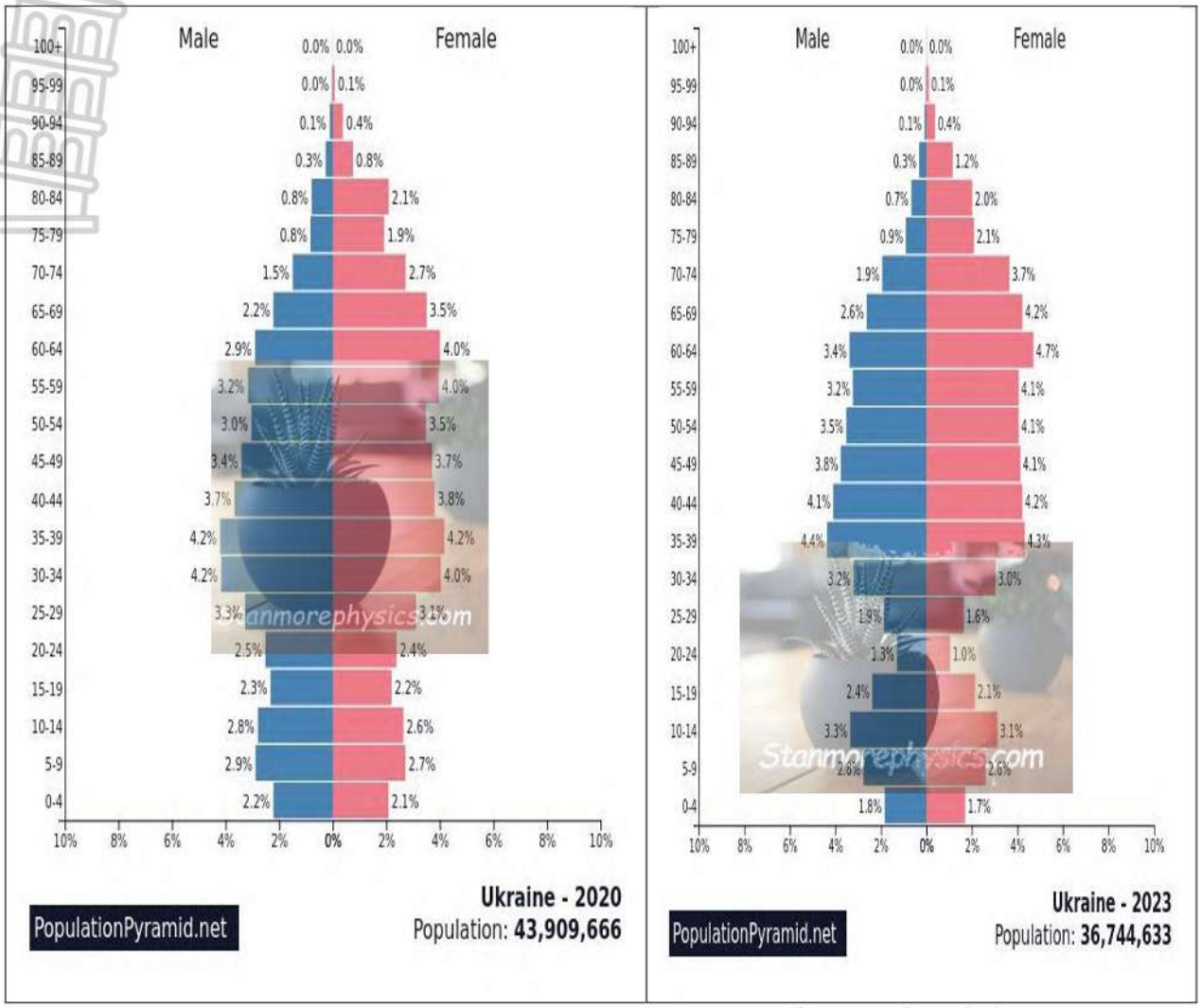
1.3 Study the pyramids below showing the population structure of Ukraine before and after the Ukraine-Russia war then answer the questions that follows.



Source: Google images

1.3.1 Define the term population pyramid (1x2) (2)

1.3.2 What is the total population of Ukraine for 2020 (1x1) (1)

1.3.3 Account for the decrease in population of Ukraine in 2023 (1x2) (2)

1.3.4 Identify the age group and gender which is mostly affected by the war in Ukraine as evident in the pyramids. (2x1) (2)

1.3.5 In a paragraph of approximately **EIGHT** lines discuss how the war will influence the birth rate, death rate, life expectancy and the total overall population of Ukraine.

(4x2) (8)

[15]

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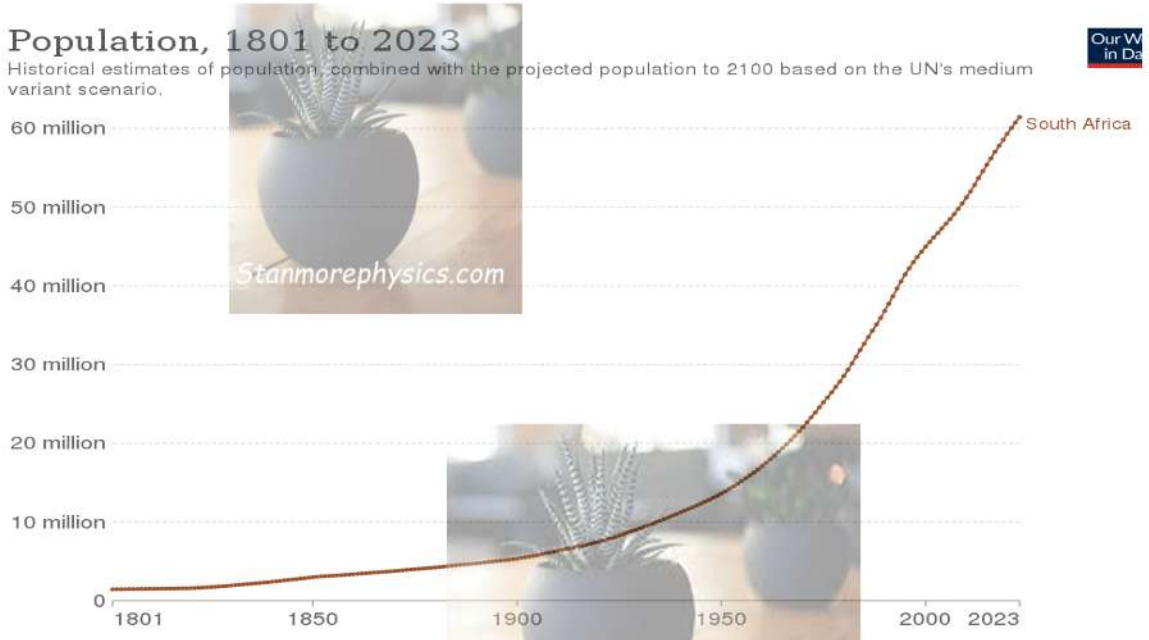
1.4 Study the infographic bellow showing over population in South Africa and answer the questions that follow.

By Sonia Madaan

Overpopulation is the state whereby the human population rises to an extent exceeding the carrying capacity of the ecological setting. In an overpopulated environment, the numbers of people might be more than the available essential materials for survival such as transport, water, shelter, food, or social amenities. This regularly contributes to environmental deterioration, worsening in the quality of life, or even the disintegration of the population. South Africa population has been growing fast despite being hit by the HIV/AIDS pandemic in the early 1990 and COVID 19 pandemic recently. The decline in mortality rates, medical breakthroughs, and increased birth rates, populations will always increase and eventually give rise to overpopulation.



Source: Google images

1.4.1 What is South Africa's estimated population for 2023? (1x1) (1)

1.4.2 Identify two pandemics from the infographic that have affected South African population in recent history. (2x1) (2)

1.4.3 Explain how the pandemics identified in question 1.4.2 have affected life expectancy in South Africa. (1x2) (2)

1.4.4 Account for the continued increase in South Africa's population despite the two pandemics. (1x2) (2)

1.4.5 Discuss TWO negative impacts that the rapid increase in population have on the natural resources of South Africa. (2x2) (4)

1.4.6 Suggest any TWO strategies that can be put in place to manage the population growth in South Africa. (2 x 2) (4)

[15]

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1.5 Study the two infographic sources below about migration and answer the questions that follow.

South Africa: Floods and Landslides - Apr 2022

Severe flooding and landslides caused by heavy rainfall on 11-13 April caused the death of 448 people, destroyed over 12,000 houses in the south-east part of South Africa. It also severely damaged infrastructures: roads, health centres, schools. Approximately 40,000 people were forced to flee from their places.

Source: https://reliefweb.int/disaster/fl-2022-000201-zaf

1.5.1 ''Approximately 40,000 people were forced to flee from their places.''

What type of migration is stated above? (1x1) (1)

1.5.2 Would you consider the reasons for migration mentioned in the infographic as push or pull factors? (1x1) (1)

1.5.3 Give a reason for your answer to question 1.5.2 (1x2) (2)

THE BRAIN DRAIN DUE TO EMIGRATION.

Skilled South Africans of all races are leaving the country in a new wave of emigration. A worldwide survey has singled out South Africa as the country second only to Russia in which well-educated people are least likely to stay. Several travel agencies and international removal companies said the increase in the number of people leaving the country backed the findings of the survey.

Reasons given by emigrants included a drop in the standard of education and health services, affirmative action, crime, and the falling value of the rand. People have also expressed fears that the land-grab fiasco in Zimbabwe could also happen here.

Source: https://reliefweb.int/disaster/fl-2022-000201-zaf

1.5.4 Explain the concept ''brain drain''. (1x2) (2)

1.5.5 Quote ONE reason from the infographic that explains why professional people are leaving South Africa? (1x1) (1)

1.5.6 Describe TWO consequences the brain drain will have on the economic and skills level of South Africa. (2x2) (4)

1.5.7 How can the government of South Africa reduce emigration (migration) of professionals from South Africa to other countries? (2x2) (4)

[15]

GRAND TOTAL: 60

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TEST TWO MEMORANDUM

GRADE 10

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1.1

1.1.1 A (W)✓
1.1.2 B (W and Y)✓
1.1.3 B (X)✓
1.1.4 D (Z)✓
1.1.5 C (Y)✓
1.1.6 A (X and Z)✓
1.1.7 A (W)✓ (7×1) (7)

1.2

1.2.1 Y✓
1.2.2 Z✓
1.2.3 Y✓
1.2.4 Z✓
1.2.5 Z✓
1.2.6 Z✓
1.2.7 Z✓
1.2.8 Y✓ (8×1) (8)

1.3.1 Define the term population pyramid. (1x2) (2)

A graph, which shows how men and women are distributed across different age groups in a population. (Concept)✓✓

1.3.2 What is the total population of Ukraine for 2020 (1x1) (1)

43 909 666✓

1.3.3 Account for the decrease in population of Ukraine in 2023 (1x2) (2)

The decrease in the population of Ukraine in 2023 is because of the war✓✓ between Ukraine and Russia.✓✓
Many people have died due to the war✓✓
Many people have fled the country in fear of ongoing war.✓✓
Men are at war.✓✓

(ANY ONE)

1.3.4 Identify the age group and gender which is mostly affected by the war in Ukraine as evident in the infographic. (2x1) (2)

Age-between 20 to 24✓ Gender-males ✓

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1.3.5 In a paragraph of approximately EIGHT lines discuss how the war will influence the Birth rate, death rate and life expectancy of Ukraine.

The war in Ukraine has resulted in the **DECREASE IN THE BIRTH RATE**✓✓
The war in Ukraine has resulted in the **INCREASE IN DEATH RATE**✓✓
The war in Ukraine has resulted in the **DECREASE IN LIFE EXPECTANCY**✓✓
The war in Ukraine has resulted in the **DECLINE IN THE TOTAL OVERALL POPULATION** of Ukraine. ✓✓

(LEARNER MUST REFER TO ALL FOUR COMPONENTS OF THE QUESTION.)

(4 x 2) (8)

[15]

1.4.1 What is South Africa's estimated population for 2023? (1x1) (1)

60 million (accept 60.1 and 60.2 million)✓

1.4.2 Identify two pandemics from the infographic that have affected South African population in recent history. (2x1) (2)

HIV/Aids✓ and COVID 19✓

1.4.3 Explain how the pandemics identified in question 1.4.2 have affected life expectancy in South Africa (1x2) (2)

The life expectancy of South Africa has decreased due to the HIV/Aids and COVID 19 pandemic.✓✓

1.4.4 **Account for the continues increase in South Africa population despite the two pandemics** (1x2) (2)

In South Africa there is a decline in mortality rates/Death rate✓✓

There is medical breakthroughs/ Access to hospitals and clinics.✓✓

Increase in natality/ birth rates/ Increase in life expectancy. ✓✓

High fertility rates/ Childbirth at young age (teenage pregnancy). ✓✓

Low rates of contraceptive use / Immigrants/ refugees/asylum flocking into South Africa ✓✓

(ANY ONE)

1.4.5 Discuss TWO negative impacts that the rapid increase in population have on the natural resources of South Africa. (2x2) (4)

Resources are over exploited/ depleted. ✓✓

Farmland are shrinking. ✓✓

Forests are shrinking/deforestation. ✓✓

Water scarcity/

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Pollution (water, land, air). ✓✓

Loss of habitat/ Decreased biodiversity. ✓✓

Overexploitation of natural resources. ✓✓

Pressure on water, wood, and soil.✓✓

Pressure on land resources. ✓✓

Leads to environmental degradation. ✓✓

(ANY TWO, ACCEPT REASONABLE RESPONSES)

1.4.6 Suggest any TWO strategies that can be put in place to manage the population growth in South Africa. (2 x 2) (4)

Legalise abortions. ✓✓
1 child policy ✓✓/ Tax penalties for having more than one child. ✓✓
Avail contraceptives ✓✓ / Family planning advice. ✓✓
Greater control over immigration (limit number of people entering South Africa) ✓
Empowering women ✓✓/ Late marriages✓✓
Educate people about contraception both men and female. ✓✓
(ANY TWO, ACCEPT REASONABLE RESPONSE)

[15]

1.5.1 ''Approximately 40000 people were forced to flee from their places.''

What type of migration is stated above? (1x1) (1)

Forced migration.✓

1.5.2 Would you consider the reasons for migration mentioned in the infographic as push or pull factors? (1x1) (1)

Push factor✓

1.5.3 Give a reason for your answer to question 1.5.2 (1x2) (2)

Because flood is the factor that forced people to leave their places✓✓

1.5.4 Explain the concept ''brain drain''. (1x2) (2)

The movement of highly skilled and qualified professional people out of South Africa.✓✓ (concept)

1.5.5 Quote ONE reason from the infographic that explains why professional people are leaving South Africa? (1x1) (1)

Due to the drop in the standard of education ✓, health services ✓, affirmative action,✓ crime✓ , decline in the value of the rand, fear of loss of property ✓
(ANY ONE)

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1.5.6 Describe TWO consequences the brain drain will have on the economic and skills level of South Africa. (2x2) (4)

It will result in a shortage of qualified people. ✓✓

Shortage of skilled people✓✓

The government will have to spend money for education. ✓✓

(ANY TWO, ACCEPT OTHER REASONABLE ANSWERS.)

1.5.7 How can the government of South Africa reduce emigration (migration) of professionals from South Africa to other countries. (2x2) (4)

The government must provide more job opportunities for the professional population.✓✓

Invest in training of policeman to fight crime.✓✓

They must improve the levels of education.✓✓

Improve health care facilities.✓✓

Increasing people's wages/ salaries. ✓✓

(ANY TWO)

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[15]

GRAND TOTAL: 60

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