education

Department of Education
FREE STATE PROVINCE

GEOGRAPHY

TEST TWO

GRADE 10

Stanmorephysics.com

SEPTEMBER 2023

MARKS: 60

Stanmorephysics.com

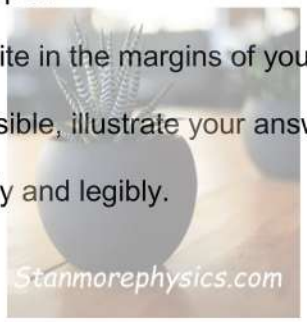
TIME: 1 HOUR

This question paper consists of 7 pages.

Copy rights reserved.

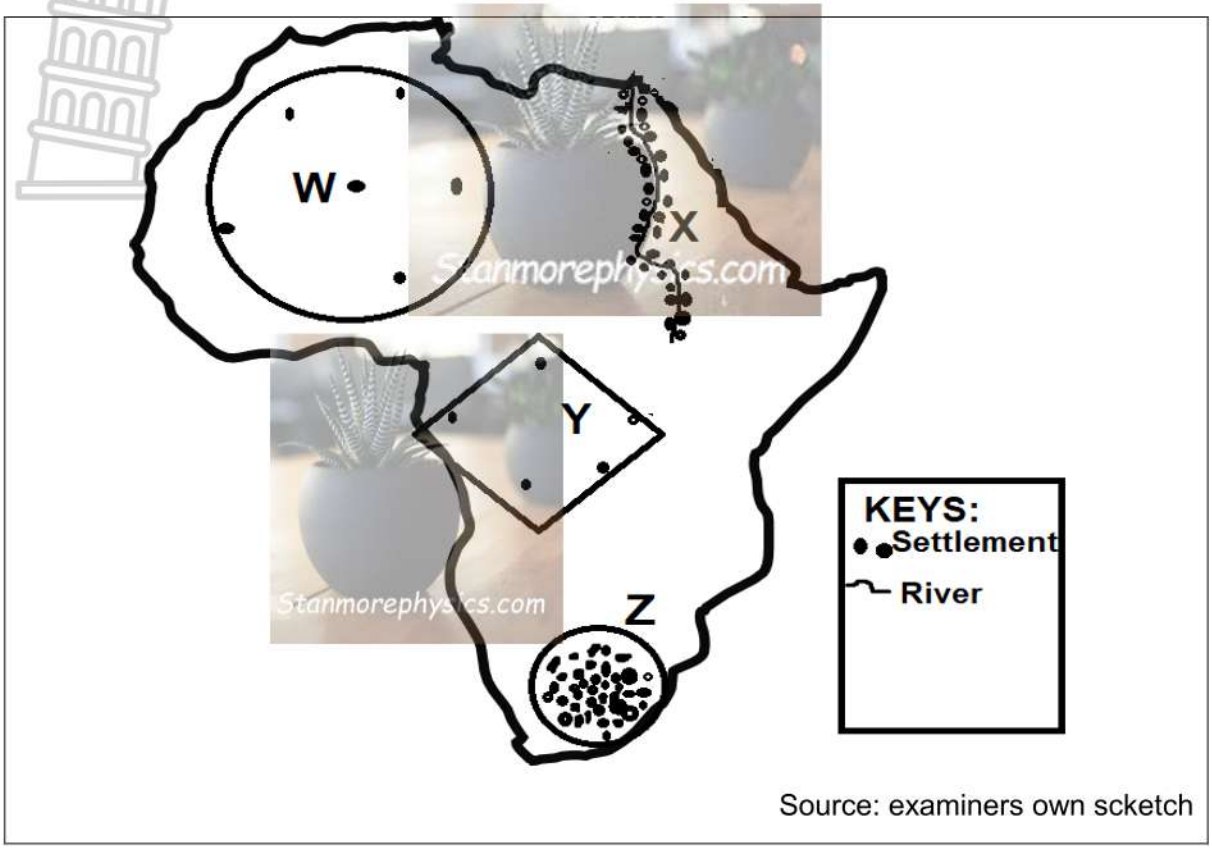
INSTRUCTIONS AND INFORMATION

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.



Copy rights reserved.

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

Copy rights reserved.

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**.

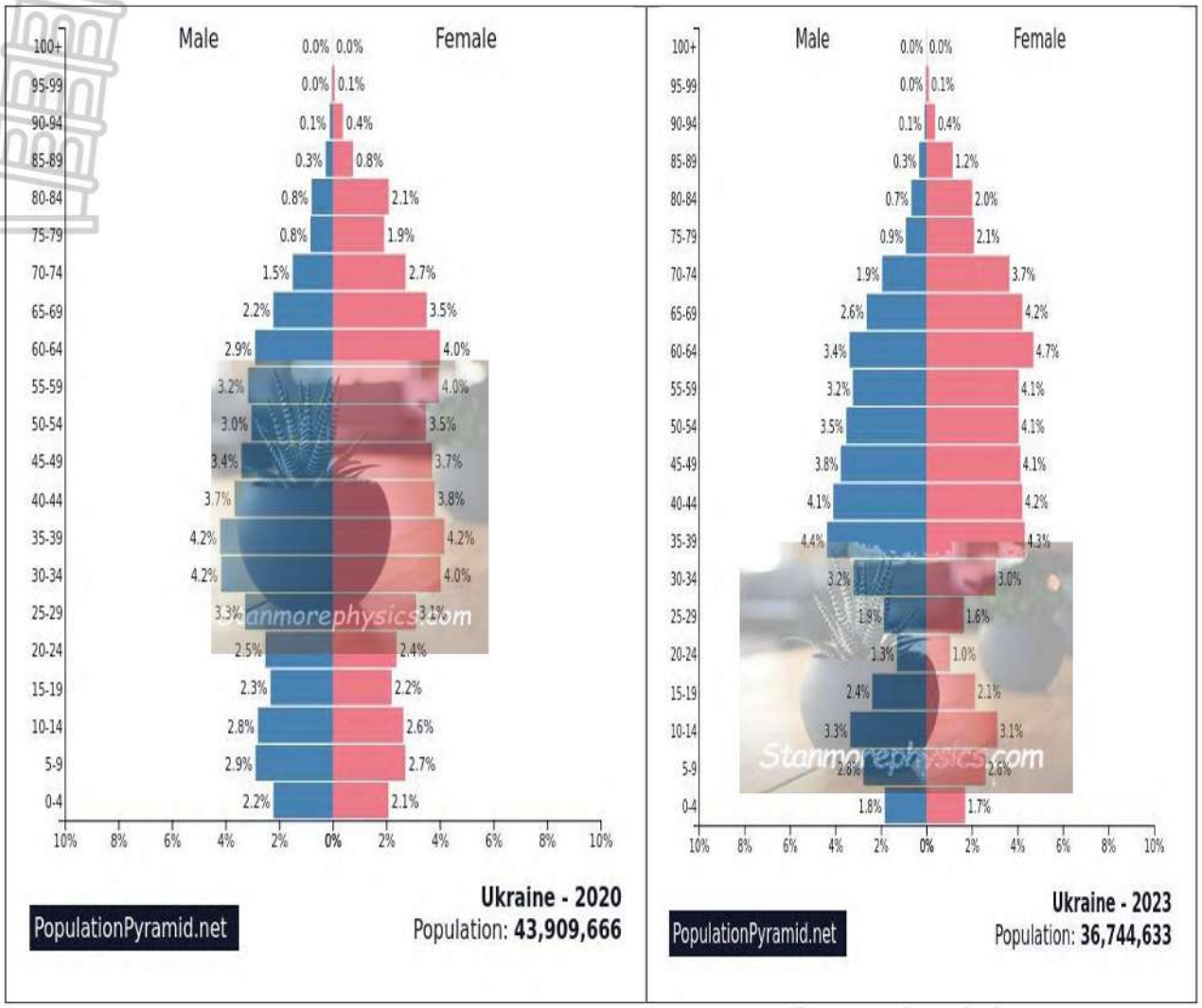
COLUMN A	**COLUMN B**
1.2.1 The number of males for each female...	**Y** Sex ratio **Z** Sex structure
1.2.2 People who do not work and rely on others for support	**Y** Economically active **Z** Economically dependent
1.2.3 Rate at which the population is increasing or decreasing	**Y** Natural population 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)

Stanmorephysics.com

Copy rights reserved.

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)

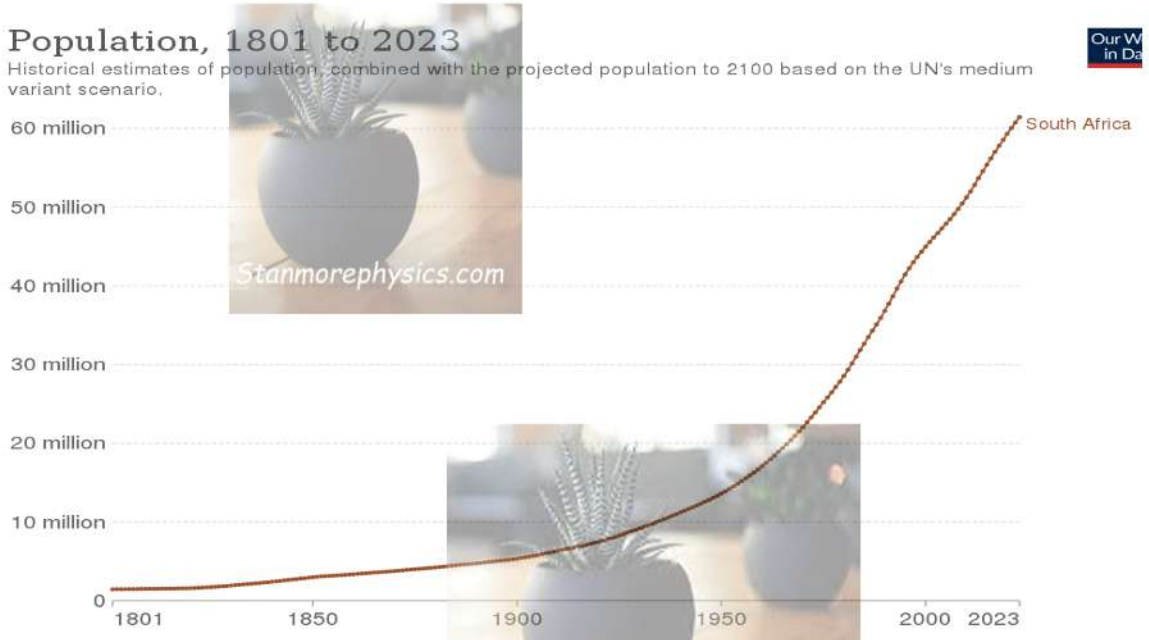
[15]

Copy rights reserved.

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.



Stanmorephysics.com

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]

Copy rights reserved.

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

Copy rights reserved.