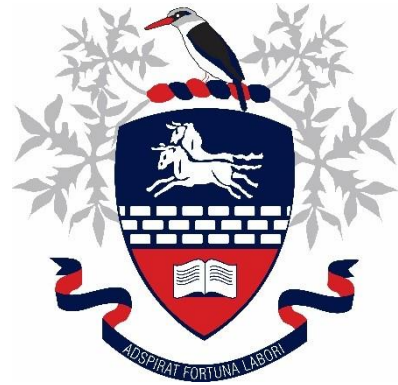


Hillcrest High School



GRADE 10 GEOGRAPHY EXAM PAPER 2

NOVEMBER 2024

MARKS: 120
TIME: 2 HOURS

EXAMINER: Mrs M. MCLAUGHLIN
MODERATOR: MR C. MADELEY

The below table is for the marker. Please do not write in it.

| | | | |
|----------------|--|--|--|
| Sec A- Q1-8 | | | |
| Q2-32 | | | |
| Q3-20 | | | |
| Sec B- Q4- 25 | | | |
| Mapwork- 35 | | | |
| Total 120 | | | |
| Convert to 150 | | | |
| % | | | |

Name and surname: _____

Class: _____

SECTION A-Population Studies

QUESTION 1-MATCH THE COLUMNS

Chose the correct explanation from Column B that matches the term in Column A. Write only the letter and number.

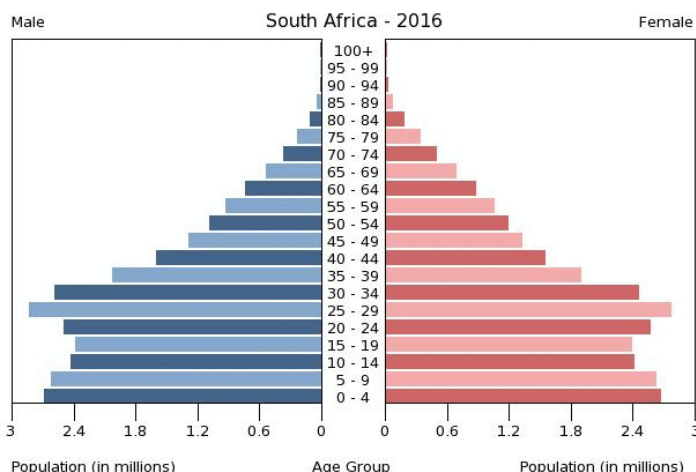
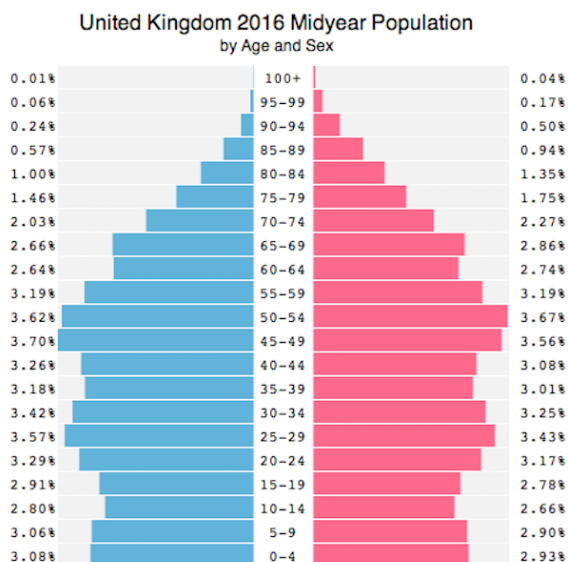
| COLUMN A | COLUMN B |
|-----------------------------|--|
| A) Birth rate | 1) The movement of people out of the country |
| B) Death rate | 2) Human demand on natural capital |
| C) Immigration | 3) The move of people from rural areas because of push factors |
| D) Emigration | 4) A shift from rural to urban living |
| E) Ecological footprint | 5) The number of live births per 1000 people |
| F) Rural to urban migration | 6) A model describing the changes in birth and death rates over time |
| G) Urbanisation | 7) The number of deaths per 1000 people |
| H) Demographic transition | 8) The movement of people into a country |

(8)

QUESTION 2- Comparison of the populations of the UK and South Africa.

Study the table and the population pyramids on South Africa and the United Kingdom below:

| United Kingdom | South Africa |
|---------------------------|---------------------------|
| Area: 243 610 sq km | Area: 1 230 000 000 sq km |
| Pop Size: 64,6 million | Pop size: 55,9 million |
| Birth rate: 12,1 per 1000 | Brith rate: 19,6 per 1000 |



Sources: "CIA world fact book", "worldometers", Statistics South Africa.

2.1 Explain the difference between population density and population distribution. (2)

2.2 Which country, according to the information in the table, is more densely populated?
Explain why. (2+2)

2.3 State which country, from the above 2 population pyramids, is likely to have:

- a. A more youthful population
- b. A longer life expectancy
- c. An ageing population (3)

For each of your answers above, provide a reason. (3)

2.4 Which of the two pyramids is depicting a developing country. Explain your answers by giving 3 reasons. (3x2)

2.5 The population of the world is unevenly distributed. Explain 1 climatic and 1 physical reason for this uneven distribution. (2x2)

2.6 Some regions of the earth are overpopulated. What effect does this have on the countries where this occurs? Explain 3 of the effects (3x2)

2.7 Outline two strategies that a developing country can implement to slow rapid population growth. (2x2)

QUESTION 3

Read the case study carefully before you answer the questions that follow.

Mandla Tsitsa (pseudonym) with his wife (Violet) and their two children (Phokie and Lazie) in 2016 moved to England. The following are his reasons for their move:

I was twice overlooked for promotion because the company where I worked followed a policy of affirmative action. After two armed robberies took place at our house and our car was hijacked, it made me realise that there are no prospects for me and my family and as I did not feel safe, I began to look for other options.

After I started finding out about other possibilities, I saw that there were many opportunities for me in England, as an electrical engineer. England needs more skilled people like me. It did not take long for me to find an excellent job in London and they were willing to carry our relocation costs (even for our pets). All necessary documentation was also handled by the firm in England.

Our children can now safely roller-skate, ride on their bikes, and can make use of an excellent public transport system. The weather is not the same as in Butterworth and we miss our relatives a lot, but if I consider everything, I feel that England has a better future for us.

[Adapted from Google]

3.1 Give the geographical term that best describes the movement of the Tsitsa family (1)

3.2 Choose the correct word in relation to the Tsitsa family's relocation from South Africa to England.

(a) Regional / International

(b) Voluntary / Forced

(c) Permanent / Temporary

(3)

3.3 Describe one economic and one social factor that attracted the Tsitsa family to England. (4)

3.4 Describe two effects of voluntary migration a) on the country they have left, (2x2) and b) on the country they have moved to. (2x2)

3.5 Some people have a very negative attitude to foreign migrants in their country. Explain why this may be the case. (2x2)

SECTION B-WATER RESOURCES

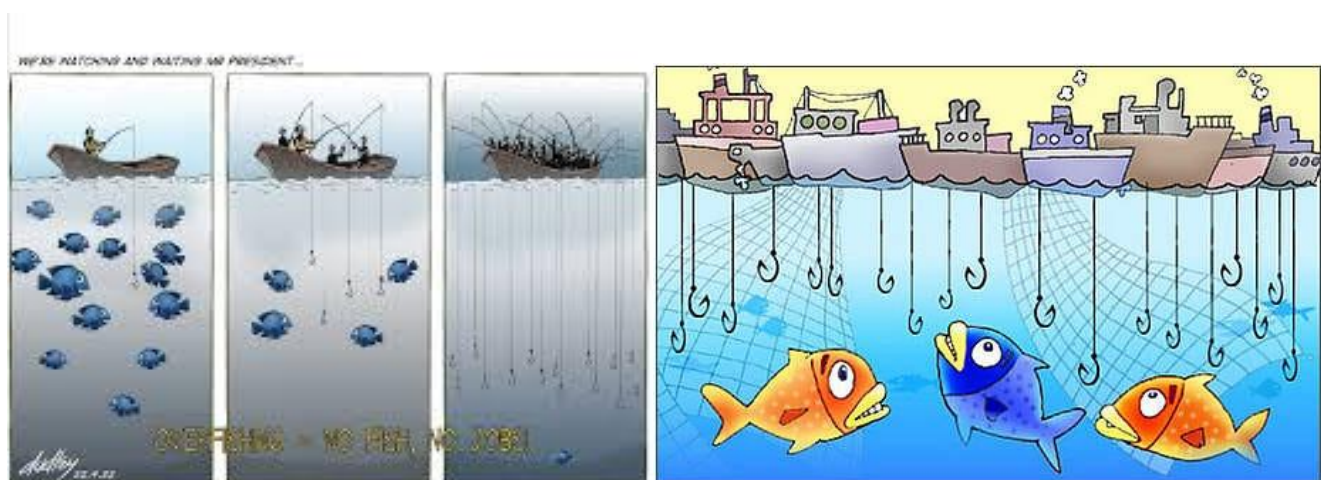
QUESTION 4

Read the following excerpt from the article "**The Global Water Crisis: Causes and Solutions**"

The world is facing a significant water crisis, driven by factors such as population growth, climate change, and pollution. Approximately 2 billion people currently live in water-stressed countries, and this number is expected to rise. Over-extraction of freshwater resources has led to depleted aquifers and reduced river flows. Solutions to the crisis include improving water management practices, investing in technology for water conservation, and increasing public awareness about the importance of water sustainability. Innovative approaches, such as rainwater harvesting and wastewater recycling, are gaining traction as effective strategies to mitigate water scarcity.

4.1 What are the 3 main causes of the global water crisis according to the article? Provide specific examples. (3)

4.2 What solutions does the article propose to address the water crisis? Choose two and explain how they could be implemented. (2X3)



4.3 Explain 2 factors that contribute to overfishing? (2x2)

4.4 Describe 3 impacts that overfishing can have on the environment, and on people. (3x2)

4.5 Explain 3 of the laws that are in place to protect fish populations (3x2)

SECTION C- MAPWORK

1. Refer to the topographical map and orthophoto of Cullinan to answer the following questions.

1.1 State the scale of the a) topographical map and b) the orthophoto (2)

1.2 What TYPE of a scale are these? (1)

1.3 Which scale is larger-the topographical map or the orthophoto? Explain why. (1+2)

1.4 Write the map reference, and state what it means (1+2)

1.6 State the altitude of the contour labelled **M** on the topographical map. (2)

1.7 Name a recreational activity found in the town of Cullinan (1)

1.8 Write the coordinates of the railway station **N** in grid block H2. (4)

1.9 Identify the land use at F on the topographical map (1)

1.10 Provide a reason why this land use is common on the map (2)

1.11 State the main land use in the town of Cullinan, and provide 2 pieces of evidence showing this. (1+2)

1.12 Calculate the difference in height between trig beacon 80, in G8 and the spot height in G7. (3)

1.13 Calculate the distance, in metres, between point O and P. (3)

1.14 Name the river flowing through B8 and C8 (1)

1.15 In which direction is this river flowing? How can you tell? (1+2)

1.16 Is Cullinan an area that receives rainfall throughout the year? Provide reasons from the map in your answer. (3)

(35)