

basic education

Department: Basic Education **REPUBLIC OF SOUTH AFRICA**

SENIOR CERTIFICATE EXAMINATIONS/ NATIONAL SENIOR CERTIFICATE EXAMINATIONS

GEOGRAPHY P2

2023

MARKS: 150

TUNNO

TIME: 3 hours

This question paper consists of 19 pages.

Please turn over

INSTRUCTIONS AND INFORMATION

1. This question paper consists of TWO sections.

SECTION A QUESTION 1: RURAL AND URBAN SETTLEMENTS (60) QUESTION 2: ECONOMIC GEOGRAPHY OF SOUTH AFRICA (60)

SECTION B QUESTION 3: GEOGRAPHICAL SKILLS AND TECHNIQUES (30)

- 2. Answer ALL THREE questions.
- 3. All diagrams are included in the question paper.
- 4. Leave a line between the subsections of questions answered
- 5. Start EACH question at the top of a NEW page.
- 6. Number the answers correctly according to the numbering system used in this question paper.
- 7. Do NOT write in the margins of the ANSWER BOOK.
- 8. Draw fully labelled diagrams when instructed to do so.
- 9. Answer in FULL SENTENCES, except when you have to state, name, identify or list.
- 10. Units of measurement MUST be indicated in your final answer, e.g. 1 020 hPa, 14 °C and 45 m.
- 11. You may use a non-programmable calculator.
- 12. You may use a magnifying glass.
- 13. Write neatly and legibly.

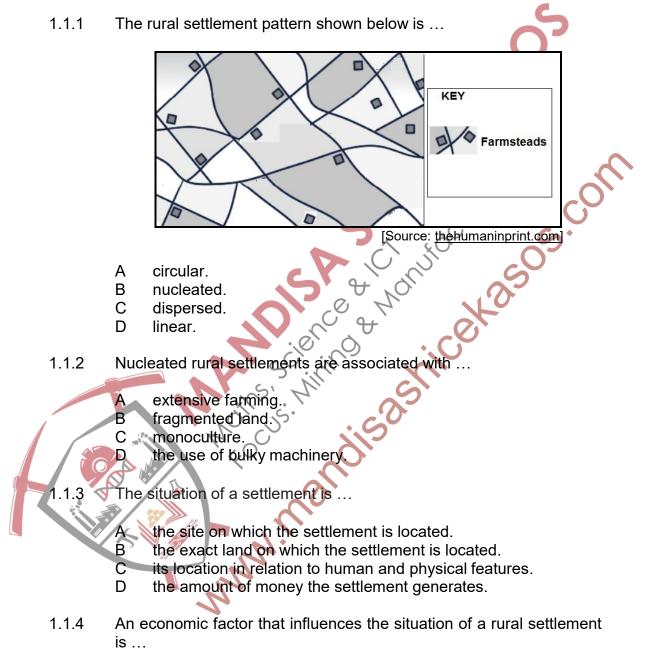
SPECIFIC INSTRUCTIONS AND INFORMATION FOR SECTION B

- 14 A 1:50 000 topographic map 2726DC ODENDAALSRUS and the 1:10 000 orthophoto map 2726 DC 14 ODENDAALSRUS are provided.
- 15. The area demarcated in RED/BLACK on the topographic map represents the area covered by the orthophoto map.
- 16. Marks will be allocated for steps in calculations.
- 17. You must hand in the topographic map and the orthophoto map to the invigilator at the end of this examination session.

SECTION A: RURAL AND URBAN SETTLEMENTS AND THE ECONOMIC GEOGRAPHY OF SOUTH AFRICA

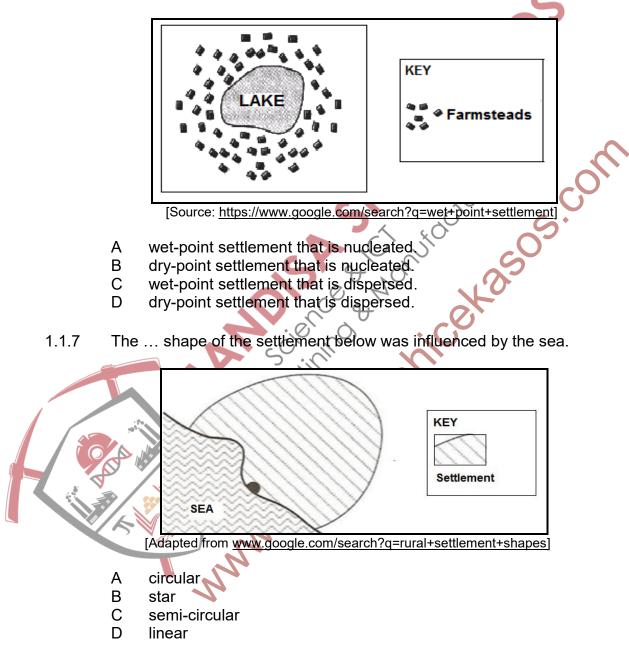
QUESTION 1: RURAL AND URBAN SETTLEMENTS

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

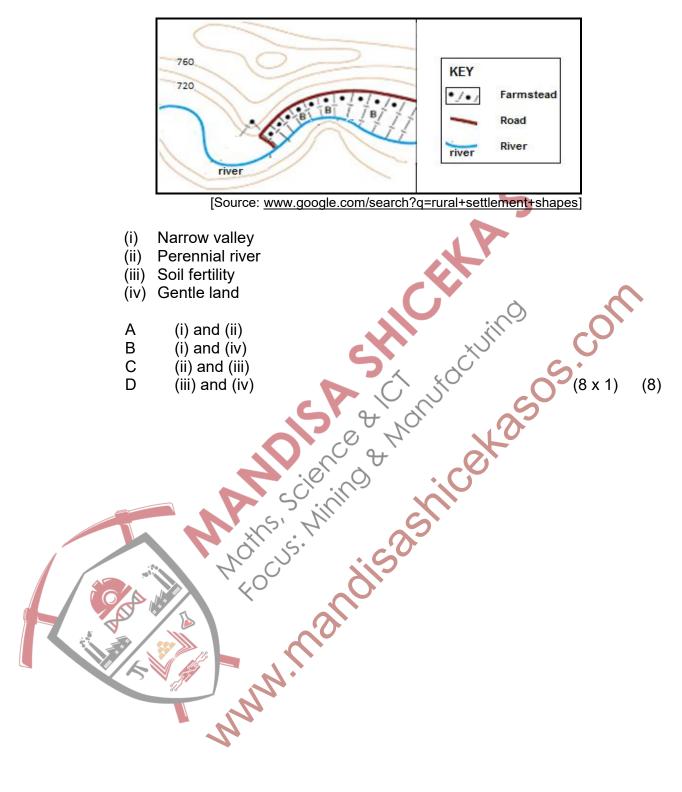


- A fertile soil.
- B microclimate.
- C gentle land.
- D local markets.

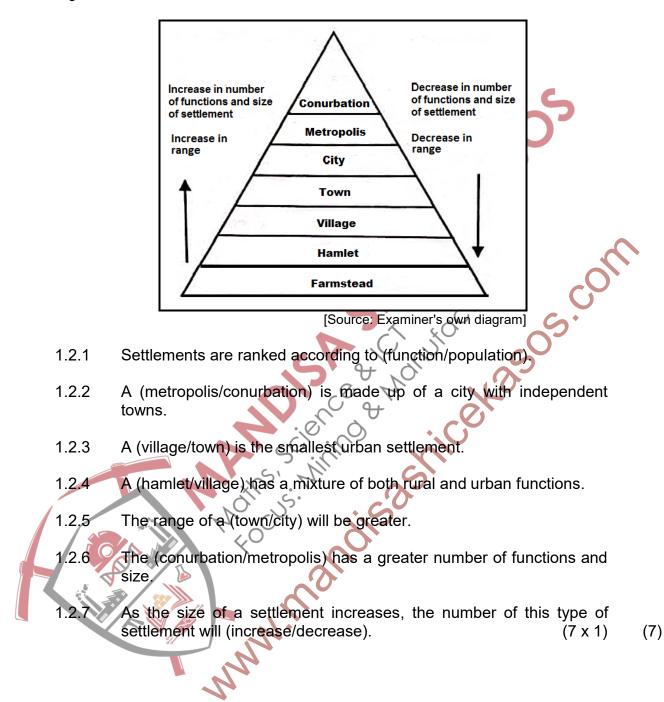
- 1.1.5 ... is/are a social factor that influences rural settlement patterns.
 - A Safety
 - B Rainfall
 - C Markets
 - D Topography
- 1.1.6 The settlement below can be described as a ...



1.1.8 Physical factors that influence the shape of the settlement below:

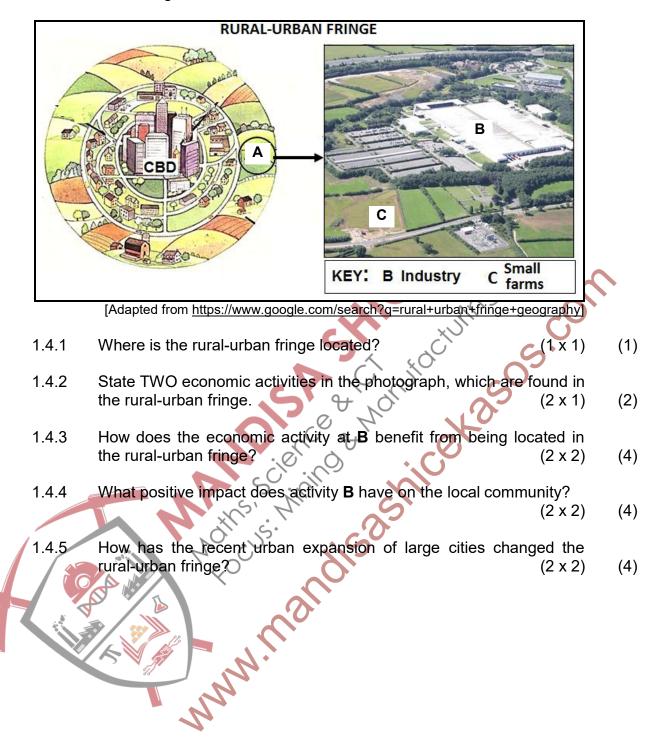


1.2 Refer to the sketch below on the classification of settlements. Choose the correct term(s) from those given in brackets. Write only the term(s) next to the question numbers (1.2.1 to 1.2.7) in the ANSWER BOOK, e.g. 1.2.8 settlement.

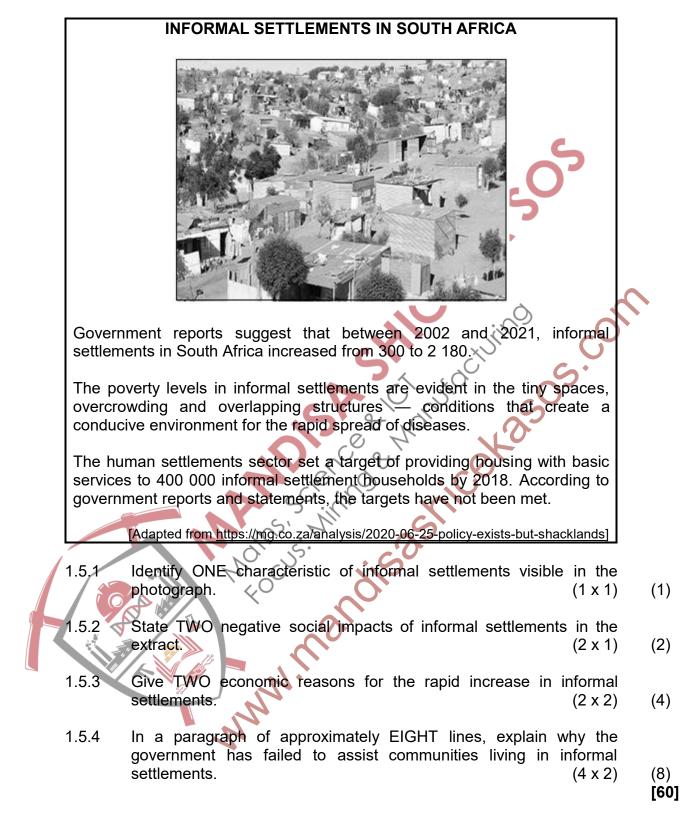


- **RURAL-URBAN MIGRATION** В Α . Higher wages Poverty Natural Better disasters services Farm killings Security Lack of job opportunities **Reliable sources of food** Mechanisation [Adapted from file:///vector-farm-field-sketch-engraving-drawing/stockistockcitysketch] 1.3.1 Define the concept rural-urban migration. (1 x 2) (2) that 1.3.2 Identify ONE social push factor in A causes rural-urban migration. (1) (1×1) State TWO basic services that are more accessible in urban areas 1.3.3 than in rural areas. (2 x 1) (2) 1.3.4 How can rural-urban migration create challenges for the provision of housing in B? (2 x 2) (4) 1.3.5 Suggest THREE intervention strategies that can be implemented to decrease rural-urban migration. (3 x 2) (6) www.mai
- 1.3 Refer to the sketch below on rural-urban migration.

1.4 Refer to the sketch and the photograph below which show a part of area **A** in the rural-urban fringe.

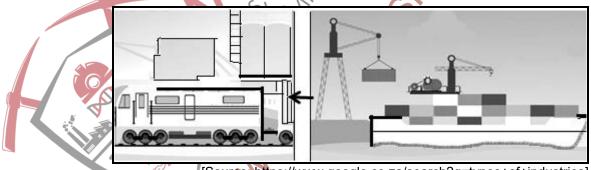


1.5 Refer to the photograph and extract below on informal settlements.



QUESTION 2: ECONOMIC GEOGRAPHY OF SOUTH AFRICA

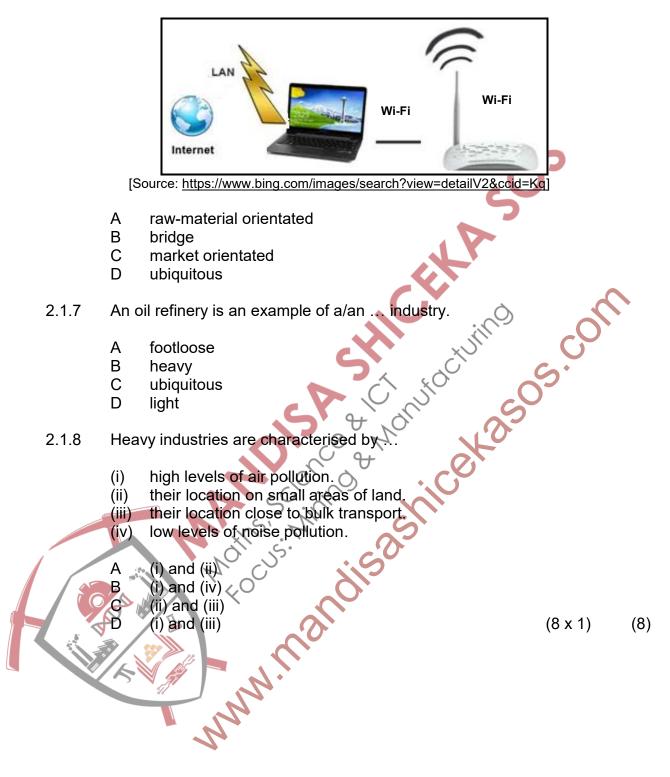
- 2.1 The questions below are based on industries. Various options are provided as possible answers to the following questions. Choose the answer and write only the letter (A-D) next to the question numbers (2.1.1 to 2.1.8) in the ANSWER BOOK, e.g. 2.1.9 D.
 - 2.1.1 Manufacturing is an example of an activity in the ... economic sector.
 - А primary
 - В secondary
 - С tertiary
 - D quaternary
 - 2.1.2 Light industries generally locate ...
 - А close to the CBD.
 - В away from residential areas.
 - С near raw materials.
 - D near bulk transport.
 - 505.C industry. 2.1.3 An iron and steel plant is an example of a
 - А footloose
 - В break-of-bulk
 - С raw-material orientated
 - D market orientated
 - 2.1.4 The sketch below illustrates a/an ... industry



[Source: https://www.google.co.za/search?q=types+of+industries]

- А ubiquitous
- В bridge
- С market
- D footloose
- 2.1.5 A bakery is an example of a ...industry.
 - А break-of-bulk
 - В raw-material orientated
 - С market orientated
 - D footloose

2.1.6 The illustration below is an example of a ... industry.

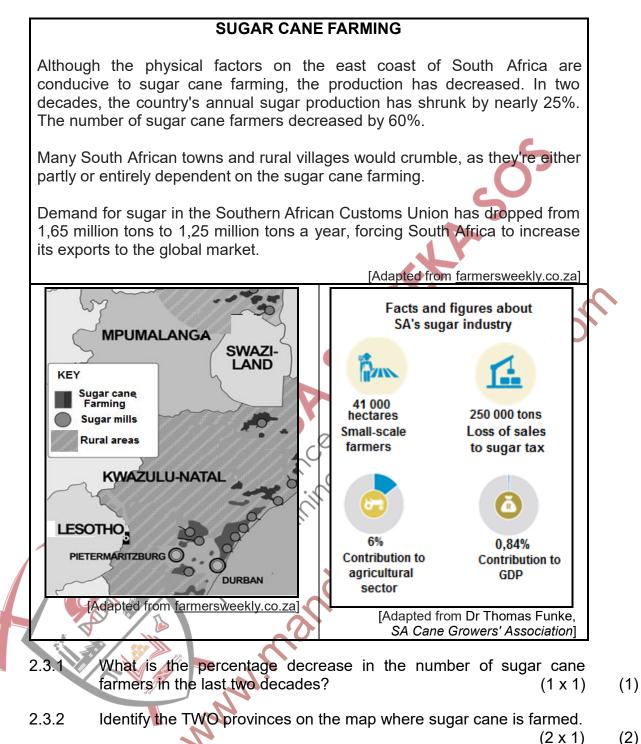


2.2 Choose the term/concept from COLUMN B that matches the statement in COLUMN A. Write only **Y** or **Z** next to the question numbers (2.2.1 to 2.2.7) in the ANSWER BOOK, e.g. 2.2.8 **Y**.

	COLUMN A	COLUMN B	
2.2.1	An exchange of goods and	Y international trade	
	services between countries	Z trade agreement	
2.2.2	Unfavourable trade balance	 Y increases employment Z increases unemployment 	
2.2.3	Goods which are brought into a country	Y exports Z imports	
0.0.1			
2.2.4	Benefit of international trade	Y access to foreign currencyZ decrease in investment	
2.2.5	Activities of the tertiary sector	Y transport and trade Z construction and research	•
2.2.6	An efficient public transport system	Z increases economic cost Z increases production	
2.2.7	Difference in value between a country's imports and exports	 balance of trade balance of payment 	
	Motous: Minin		(7

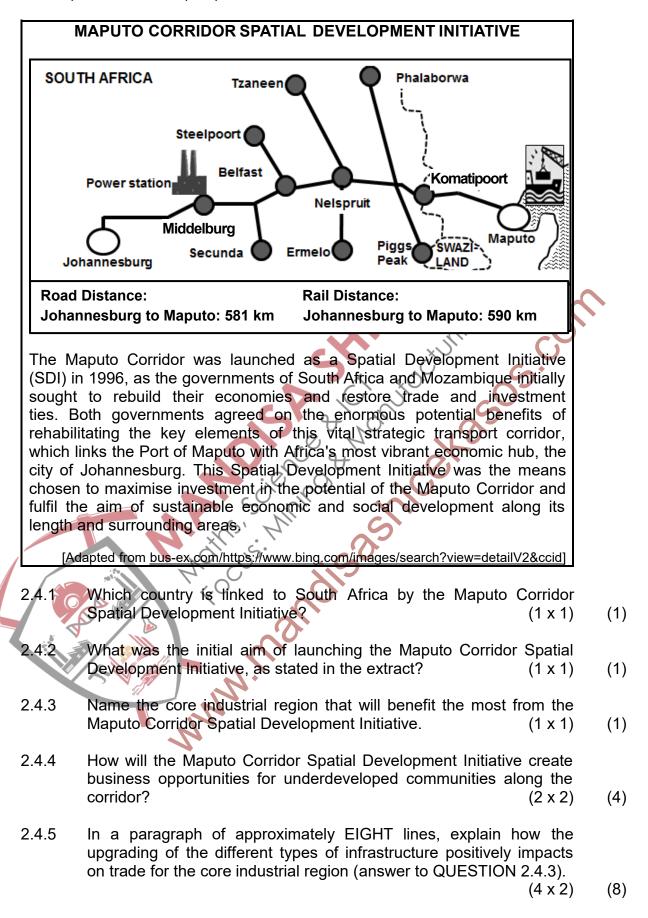
(7)

2.3 Refer to the infographic below on sugar cane farming.

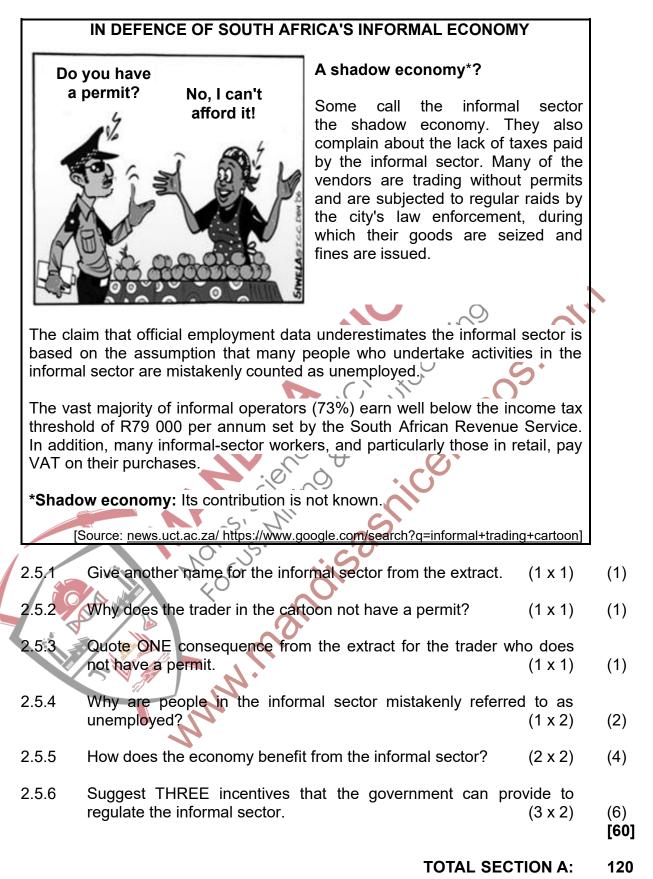


- 2.3.3 State TWO physical factors that promote sugar cane farming in these provinces (answer to QUESTION 2.3.2). (2 x 1) (2)
- 2.3.4 Why is sugar cane farming important to the small towns and rural villages in South Africa? (2 x 2) (4)
- 2.3.5 Explain THREE economic factors that have a negative impact on sugar production in South Africa. (3 x 2) (6)

2.4 Refer to the map and extract below on the Maputo Corridor Spatial Development Initiative (SDI).

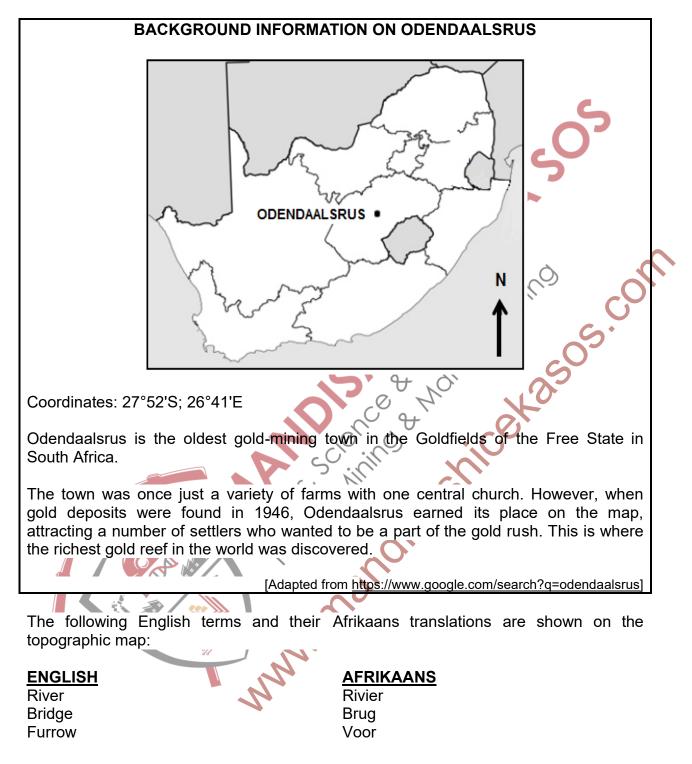


2.5 Refer to the cartoon and extract below on informal trading.



SECTION B

QUESTION 3: GEOGRAPHICAL SKILLS AND TECHNIQUES



(1 x 1)

(1)

(4)

3.1 MAP SKILLS AND CALCULATIONS

Refer to the topographic map.

- 3.1.1 When calculating an area on the map, the scale is used to ...
 - represent the area on the topographic map. А
 - В calculate the area in reality.
 - С represent the area on the orthophoto map.
 - D calculate the height of the area in reality.
- 3.1.2 Calculate the area which is demarcated in red/black on the topographic map in km².

Use the following information:

Measured length (map distance) = 3,7 cm

Formula: Area = Length (L) x Breadth (B)

- 3.1.3 The true bearing from trigonometrical station 286 (F) in block B4 to spot height 1 357 (G) in block C5 is (161°/342°). 71 x 1) (1)
- Calculate the magnetic declination of Odendaalsrus for 2023. Use 3.1.4 the information and steps given below.

Difference in years: 3 years Mean annual change: 10 westwards Total change: Magnetic declination for 2023

Formula:

(3 x 1) (3)

Use the answers to QUESTIONS 31.3 and 3.1.4 to calculate the 3.1.5 magnetic bearing for 2023.

> Magnetic bearing = True bearing + Magnetic declination (1 x 1) (1)

(1 x 2)

(2)

3.2 **MAP INTERPRETATION**

Refer to the Phakisa Motor Race Track (H) in blocks **B3** and **C3** on the topographic map.

- 3.2.1 (a) In which land-use zone is the race track located? (1 x 1) (1)
 - (b) How does the location of the race track reduce possible environmental injustices to the residents of Odendaalsrus?

Refer to the topographic map and the orthophoto map.

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- 3.2.2 (a) The main primary activity at **6** on the orthophoto map is (mining/quarrying). (1 x 1)
 - (b) Give evidence from the topographic map to support your answer to QUESTION 3.2.2(a). (1 x 2) (2)
 - (c) Identify the transport infrastructure that supports the main primary activity at **6** on the orthophoto map. (1×1) (1)

Refer to the topographic map.

- 3.2.3 (a) Identify main street pattern J in blocks A1 and A2 (1×1) (1)
 - (b) Why is the street pattern, identified in QUESTION 3.2.3(a), associated with traffic congestion? (1×2) (2)
 - (c) How has the topography influenced the lay-out of the street pattern identified in QUESTION 3.2.3(a)? (1 x 2) (2)

3.3 **GEOGRAPHICAL INFORMATION SYSTEMS (GIS)**

Reference information **X** and **Y** are extracts from the Odendaalsrus topographic map which indicates different types of data.

