



education

Department:
Education
REPUBLIC OF SOUTH AFRICA

NATIONAL SENIOR CERTIFICATE

GRADE 10

GEOGRAPHY P2

NOVEMBER 2006

NAME OF CANDIDATE

NAME OF SCHOOL

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MARKS: 75

TIME: 1½ hours

This question paper consists of 7 pages, a topographic map and an orthophoto map.

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INSTRUCTIONS AND INFORMATION

1. Write your name and that of your school in the spaces provided on this question paper.
2. Answer ALL the questions on this question paper.
3. Candidates should study the 1:50 000 TOPOGRAPHIC 2527CB Rustenburg East and ORTHOPHOTO MAP 2527CB 16 Rustenburg East before answering the questions.
4. Write neatly and legibly.

RESOURCE MATERIAL

- The extract from the topographic map 2527CB Rustenburg East
- Orthophoto map 2527CB 16 Rustenburg East

NOTE: The resource material must be collected by the schools for their own use afterwards.

The following English terms and their Afrikaans translations are shown on the 1:50 000 topographic map.

ENGLISH	AFRIKAANS
Canal/Furrow	Voor
Cemetery	Begraafplaas
Hospital	Hospitaal
Mine	Myn
Ventilation shaft	Ventilasieskag
Camping site	Kampeerterrein
Shooting range	Skietbaan
Golf course	Gholfbaan
Limestone	Kalksteen
Drive-in theatre	Inryteater
Aerodrome/Airport	Vliegveld/Lughawe
Research institute	Navorsingsinstituut
River	Rivier
North	Noord
Showgrounds	Skougronde
Weir	Studam of stuwal
Drive-in cinema	Inryteater
Sewage works	Rioolplaas

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QUESTION 1

Various possible options are provided as answers to the following questions. Choose the correct answer and write only the letter (A - D) next to the question number (1.1 - 1.10) in the block provided on the right-hand side of the question.

1.1 The primary activities that mainly occur in the area east of Rustenburg, are ...

- A forestry and agriculture.
- B agriculture and mining.
- C mining and fishing.
- D forestry and hunting.

1.2 The settlement density of the rural settlement in the southern area of the map, can be described as ...

- A medium.
- B high.
- C low.
- D exceptionally high.

1.3 The service line (railway line) in blocks A1 and A2 is used by or for ...

- A transport of tourists.
- B transportation of goods to and from the mine.
- C farmers.
- D industries.

1.4 The occurrence of so many dams in the area is an indication that the rainfall is ...

- A high.
- B unpredictable.
- C adequate.
- D too much.

1.5 To travel from Rustenburg to Ventersdorp, one must travel in a ... direction.

- A SSW
- B NW
- C SW
- D SSE

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1.6 The topographic map of Rustenburg is marked 2527CB. The map directly north of the Rustenburg map, should be marked ...

- A 2526AB.
- B 2527CC.
- C 2527AD.
- D 2527BC.

1.7 The true bearing from spot height 1156 in block C6 to the trigonometrical beacon 212 in block C5, is ...

- A 280°.
- B 330°.
- C 35°.
- D 175°.

1.8 The contour interval on the topographical map is ... metres.

- A 5
- B 10
- C 25
- D 20

1.9 Entabeni in block E2 is an area of blocks of residences used for the accommodation of ...

- A the army.
- B mine managers.
- C visitors to the mines.
- D workers.

1.10 Slope AB on the topographic map blocks A6 and B6 is ...

- A concave.
- B convex.
- C a watershed.
- D a poort.

(10 x 2)**[20]**

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QUESTION 2

2.1 Geographical information systems use three different kinds of spatial data. Name these THREE kinds of spatial data.

(3 x 2) (6)

2.2 Name TWO disadvantages of Lambert's cylindrical projection.

(2 x 2) (4)

[10]

QUESTION 3

3.1 State THREE reasons why people leave the rural areas to move to Rustenburg.

(3 x 2) (6)

3.2 Name the street pattern of Rustenburg East in block A2.

(1 x 2) (2)

3.3 Name ONE type of street pattern which is found in the modern suburbs.

(1 x 2) (2)

3.4 Near Rustenburg an important mineral is mined. Name this mineral.

(1 x 2) (2)

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3.5 What are the functions of the row of trees on the farm in block E7? Name ONE function.

(1 x 2) (2)

3.6 State TWO reasons why the industrial zone of Rustenburg was developed in block A3 (also consult the orthophoto map).

(2 x 2) (4)

[18]

QUESTION 4

Study the topographic map and answer the following questions. (The orthophoto map can also be consulted.)

4.1 Name the types of roads marked J, L, M and N on the topographic map.

(4 x 2) (8)

4.2 Does intensive farming take place on the farm Waterval in block A4?

(1 x 1) (1)

[9]

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QUESTION 5

The following questions refer particularly to the orthophoto map. (The topographic map can also be consulted.)

Identify the following on the orthophoto map:

5.1 The features H, I, J, K and M.

(5 x 2) (10)

5.2 The urban features B, C and G.

(3 x 2) (6)

5.3 The economic activity at O.

(1 x 2) (2)
[18]

TOTAL: 75