



# education

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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.

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(3 x 2) (6)

2.2 Name TWO disadvantages of Lambert's cylindrical projection.

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(2 x 2) (4)

**[10]**

**QUESTION 3**

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

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(3 x 2) (6)

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

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(1 x 2) (2)

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

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(1 x 2) (2)

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

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(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.

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(5 x 2) (10)

5.2 The urban features B, C and G.

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(3 x 2) (6)

5.3 The economic activity at O.

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(1 x 2) (2)  
**[18]**

**TOTAL: 75**