



**education**

Department:  
Education  
**REPUBLIC OF SOUTH AFRICA**

<b>75</b>

**SENIOR CERTIFICATE EXAMINATION - 2006**

<b>CENTRE NUMBER:</b>										
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<b>CANDIDATE'S EXAMINATION NUMBER:</b>																	
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**GEOGRAPHY PAPER 2  
STANDARD GRADE  
OCTOBER/NOVEMBER 2006  
502-2/2E**

GEOGRAPHY SG: Paper 2  
Question Paper & Maps

**MARKS: 75**



502 2 2E

SG

**TIME: 1½ hours**

**X25**



This question paper consists of 9 pages, 1 topographical map and 1 orthophoto map.



**INSTRUCTIONS AND INFORMATION**

1. Answer ALL the questions.
2. The questions in this question paper are based on the 1:50 000 SA topographical map 3419 AB Caledon and the 1:10 000 SA orthophoto map 3419 AB 24 which is a section of the mapped area.
3. Write your examination number in the space provided on the front page of this question paper.
4. Answer ALL the questions ON this question paper.
5. Use the last page of this question paper for ALL your rough work.
6. Some questions can only be answered if the topographical map and the orthophoto map are studied together.
7. On completion of this question paper, this question paper, as well as the topographical map and orthophoto map must be returned to the invigilator. These become the property of the school.
8. A glossary of some of the English and Afrikaans words and their translations appear on the next page.

GLOSSARY

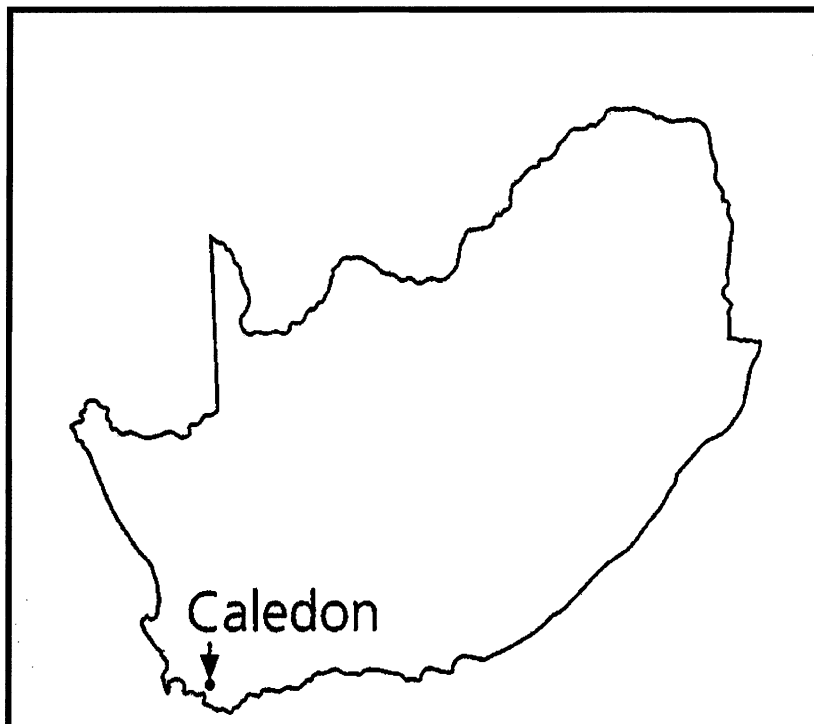
English

Cemetery  
Diggings  
Hot Springs  
Golf Course  
Hospital  
Wild Flower Garden  
Nature Reserve  
Sewage Works  
Show Grounds

Afrikaans

Begraafplaas  
Uitgrawings  
Warmwaterbronne  
Gholfbaan  
Hospitaal  
Veldblomtuin  
Natuurreservaat  
Rioolwerke  
Skougronde

POSITION OF CALEDON WITHIN SOUTH AFRICA



**SECTION A****QUESTION 1: MULTIPLE-CHOICE QUESTIONS**

Refer to the 1:50 000 topographical map 3419 AB and the orthophoto map 3419 AB 24 of Caledon (attached) to answer the following questions:

Various possible options are provided as answers for the following questions. 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 page.

1.1 The town of Caledon is located in the ... part of the country.

- A north-western
- B south-western
- C eastern
- D western

1.2 Caledon receives most of its rainfall during ...

- A winter.
- B spring.
- C summer.
- D autumn.

1.3 The contour interval of the topographical map is ... metres.

- A 10
- B 20
- C 40
- D 5

1.4 The ocean found closest to Caledon, is the ... Ocean.

- A Indian
- B Pacific
- C Atlantic
- D Southern

1.5 The TWO types of scales shown on the topographical map are the ...

- A line scale and word scale.
- B word scale and ratio scale.
- C ratio scale and line scale.
- D line scale and Richter scale.

1.6 The line labelled 34° on the topographical map refers to ...

- A temperature.
- B longitude.
- C true bearing.
- D latitude.

1.7 The CBD (F on the topographical map) of Caledon has a/an ... street pattern.

- A circular
- B gridiron/block/rectangular
- C irregular
- D radial

1.8 The man-made feature found at block C5 on the topographical map, is a ...

- A lake.
- B marsh and vlei.
- C reservoir.
- D dam.

1.9 The height of the trigonometrical station in block M1 is ... metres.

- A 106
- B 280,8
- C 307,8
- D 257,1

1.10 The drainage pattern found in block K15 is a ... pattern.

- A trellis
- B rectangular
- C dendritic
- D radial

**TOTAL SECTION A: (10 x 2) 20**

**SECTION B**

**QUESTION 2: MAPWORK TECHNIQUES AND CALCULATIONS**

2.1 Write the scale of the topographical map as a word scale.

\_\_\_\_\_ (1 x 2) (2)

2.2 Calculate the straight line distance between spot height • 199 (block O5) and spot height • 230 (block O7) in kilometres. Show ALL calculations.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (4)

2.3 Give the true bearing (geographical bearing) of trigonometrical station 220 in block N11 from trigonometrical station 217 in block O10.

\_\_\_\_\_ (4)

2.4 Calculate the area of the region demarcated (marked off) by the letter H on the topographical map in km<sup>2</sup>.

Area = Length x Breadth (Given: Length 11 cm; Breadth 6 cm)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (6)

2.5 Will the magnetic declination for 2006 be greater than or less than 23°46'W? Give a reason for your answer.

\_\_\_\_\_  
\_\_\_\_\_ (2 x 2) (4)

**TOTAL SECTION B: 20**



**SECTION C**

**QUESTION 3: RELIEF AND DRAINAGE**

Use the topographical map and the orthophoto map (attached) to answer the following questions:

3.1 Associate the landforms listed below with the letters A, B and C marked on the topographical map:

valley; mesa; neck/saddle

3.1.1 A in block J1 = \_\_\_\_\_ (1 x 2) (2)

3.1.2 B in block F4 = \_\_\_\_\_ (1 x 2) (2)

3.1.3 C in block H12 = \_\_\_\_\_ (1 x 2) (2)

3.2 Choose the correct term given in brackets to make the following statement TRUE:

Most of the rivers on the map are (perennial/non-perennial) because of the low rainfall.

\_\_\_\_\_ (1 x 2) (2)

3.3 Choose the correct term given in brackets to make the following statement TRUE:

The Riviersonderend River has a lot of marshes and vleis. The river is therefore in its (upper/middle/lower) course.

\_\_\_\_\_ (1 x 2) (2)

3.4 You take the hiking trail in block L12. Is the slope steep or gentle?

\_\_\_\_\_ (1 x 2) (2)

Explain your answer.

\_\_\_\_\_ (1 x 2) (2)

3.5 What is the height of the windpump in block H11?

\_\_\_\_\_ (1)

**TOTAL SECTION C: 15**



**SECTION D**

**QUESTION 4: SETTLEMENT**

4.1 Refer to the settlement in block L2.

4.1.1 Identify the settlement pattern.

\_\_\_\_\_ (1 x 2) (2)

4.1.2 State TWO advantages of living in this type of settlement.

\_\_\_\_\_  
\_\_\_\_\_ (2 x 2) (4)

4.2 The CBD of Caledon is located at F (block N11) on the topographical map (attached). Give ONE piece of evidence, from the map, to support this statement.

\_\_\_\_\_ (1 x 2) (2)

4.3 Refer to the street pattern at Tuinsig (block N 11/12).

4.3.1 Identify the street pattern.

\_\_\_\_\_ (1 x 2) (2)

4.3.2 State ONE advantage of this street pattern.

\_\_\_\_\_ (1 x 2) (2)

4.4 Block O12 shows the rural-urban fringe. Which recreational activity appears in this land-use zone?

\_\_\_\_\_ (1 x 2) (2)

4.5 Give ONE piece of evidence from the orthophoto map to prove that Vleiview (block O12) is a low-income residential area.

\_\_\_\_\_ (1 x 2) (2)





4.6 Give ONE piece of evidence from the topographical map (attached) which indicates that the inhabitants of Caledon practise conservation of the environment.

\_\_\_\_\_ (1 x 2) (2)

4.7 Name a recreational feature found in block N12 on the topographical map (attached).

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (1 x 2) (2)

**TOTAL SECTION D: 20**

**GRAND TOTAL: 75**

