

education

Department:
Education
REPUBLIC OF SOUTH AFRICA

75

SENIOR CERTIFICATE EXAMINATION - 2007

CANDIDATE'S
EXAMINATION NUMBER:

GEOGRAPHY P2

STANDARD GRADE

FEBRUARY/MARCH 2007

502-2/2

**GEOGRAPHY SG: Paper 2
Question Paper & Maps**



502 2 2E

SG

MARKS: 75

TIME: 1½ hours

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

X05



INSTRUCTIONS AND INFORMATION

1. Answer ALL the questions.
2. The questions in this paper are based on the 1:50 000 SA topographical map, 3322CA Oudtshoorn and the 1:10 000 SA orthophoto map 3322CA which is a section of the mapped area.
3. Write your examination number, as well as centre number in the spaces provided on the front page of the question paper.
4. Answer ALL the questions ON the question paper.
5. Use the last page of the question paper for ALL your rough work.
6. Certain questions can only be answered if the topographical map and the orthophoto map are studied together.
7. On completion of the question paper, the 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

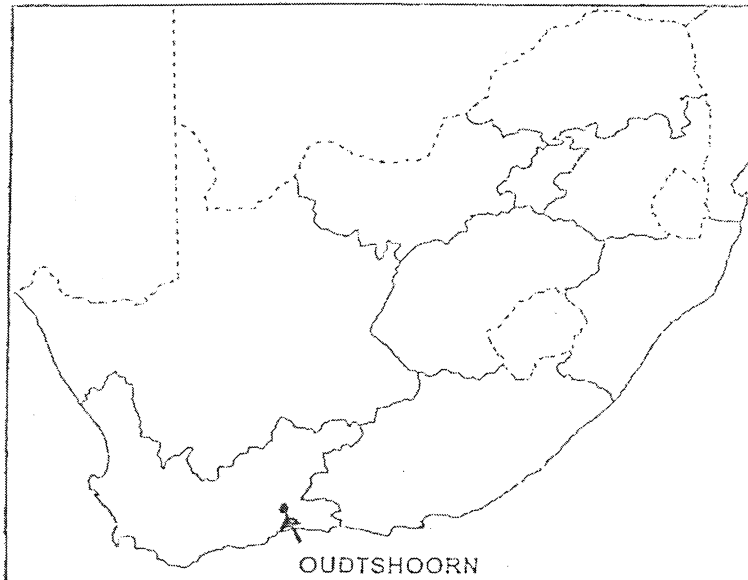
English

Cemetery
Diggings
Canal
Golf Course
Hospital
Furrow
Game Park
Sewage Disposal Works
Showgrounds
Aerodrome
Drive-in theatre
Rifle Range
Race Track
Brickfields
Tourist Camp

Afrikaans

Begraafplaas
Uitgrawings
Kanaal
Golfbaan
Hospitaal
Voor
Wildspark
Rioolwerke
Skougronde
Vliegveld
Inry-teater
Skietbaan
Renbaan
Steenwerke
Toeriste Kampeerterrein

POSITION OF OUDTSHOORN WITHIN SOUTH AFRICA



SECTION A

QUESTION 1: MULTIPLE-CHOICE QUESTIONS

Refer to the 1:50 000 topographical map 3322CA and the 3322CA orthophoto map of Oudtshoorn (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 scale of the orthophoto map is ... times larger than the scale of the topographic map.

- A 10
- B 20
- C 50
- D 5

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

- A 30
- B 10
- C 20
- D 50

1.3 The topographical map number 3322 refers to ...

- A contours and isobars.
- B isobars and contours.
- C longitudes and latitudes.
- D latitudes and longitudes.

1.4 The feature found in block B3 on the topographical map, is a/an ...

- A isobar.
- B spot height.
- C trigonometrical station.
- D ox-bow lake.

1.5 The primary economic activity taking place at E (block E12) on the topographical map, is ...

- A forestry.
- B industry.
- C quarrying.
- D education.

1.6 The secondary economic activity taking place at D on the orthophoto map, is ...

- A mining.
- B industry.
- C farming.
- D recreation.

1.7 The national road that links De Rust to Oudtshoorn on the topographical map, is the ...

- A N2.
- B N12.
- C R29.
- D R62.

1.8 The land use found at C on the orthophoto map, is ...

- A a brick field.
- B sewage disposal works.
- C a hospital.
- D a school.

1.9 The Oudtshoorn aerodrome (block G12) on the topographical map is located ... of the town centre.

- A north-west
- B south-east
- C south-west
- D north-east

1.10 Contour lines, trigonometrical stations, spot heights and bench-marks represent ...

- A lines joining places of equal height.
- B places of similar vegetation.
- C altitude (height) above sea-level.
- D lines joining places of similar rock type.

TOTAL SECTION A: (10 x 2) 20

SECTION B

QUESTION 2: MAP TECHNIQUES AND CALCULATIONS

2.1 Calculate the length (in km) of the Oudtshoorn landing strip from P to Q on the topographical map.

(4)

2.2 Give the difference between the spot height reading of the longest runway at the Oudtshoorn airport (R) and the airport buildings (S) on the orthophoto map.

(1 x 2)

(2)

2.3 Locate the trigonometrical station 286 (G in block E14) on Grootkop and spot height 317 (F in block G15) on the topographical map.

2.3.1 Determine the true bearing of spot height 317 from the trigonometrical station (Δ 286).

(1 x 2)

(2)

2.3.2 Will the magnetic declination for 2006 be greater than or less than $23^{\circ}34'W$? Give a reason for your answer.

Answer: _____

(1 x 2)

(2)

Reason: _____

(1 x 2)

(2)



- 2.4 Calculate the area (in km²) of the region covered by the orthophoto map on the topographical map.
(Use the formula: AREA = Length x Breadth)

Length = 13,1 cm; Breadth = 12 cm

(4)

- 2.5 Name the feature found at the following grid reference on the topographical map:

33°32'45"S and 22°10'00"E

(1 x 2)

(2)

TOTAL SECTION B:

18



SECTION C

QUESTION 3: RELIEF AND DRAINAGE

- 3.1 Give the physical factor that influenced the construction of the Oudtshoorn aerodrome on the topographical map (block G12).
_____ (1 x 2) (2)
- 3.2 Farming over the greater part of the mapped area is limited.
- 3.2.1 Identify TWO physical factors responsible for the limited farming activities.

_____ (2 x 2) (4)
- 3.2.2 Give any TWO measures that farmers have used to obtain water for farming.

_____ (2 x 2) (4)
- 3.3 Identify the stream pattern I (block K/L7) on the topographical map.
_____ (1 x 2) (2)
- 3.4 3.4.1 Give TWO physical factors restricting the expansion of the town of Oudtshoorn in a north-easterly direction.
_____ (2 x 2) (4)
- 3.4.2 Name the river feature found on the Dooringrivier (block O12) that has the potential to generate hydro-electric power for the area.
_____ (1 x 1) (1)

TOTAL SECTION C: 17



SECTION D

QUESTION 4: SETTLEMENT AND ECONOMIC ACTIVITIES

4.1 Give ONE piece of evidence to indicate that Oudtshoorn is a historic town.
_____ (1 x 2) (2)

4.2 Refer to the service activity found at U on the orthophoto map.

4.2.1 Name this service/activity.
_____ (1 x 2) (2)

4.2.2 Suggest TWO reasons for the location (siting) of this service on the rural/urban fringe.

_____ (2 x 2) (4)

4.3 The streets at L on the topographical map form a gridiron street pattern. State ONE advantage of this street pattern.

_____ (1 x 2) (2)

4.4 Using the map, list THREE recreational opportunities the town of Oudtshoorn offers to tourists.

_____ (3 x 2) (6)

4.5 The industrial area at D on the orthophoto map enjoys a good location. Explain TWO factors favouring the location of the industry at this particular site.

_____ (2 x 2) (4)

TOTAL SECTION D: 20
GRAND TOTAL: 75

