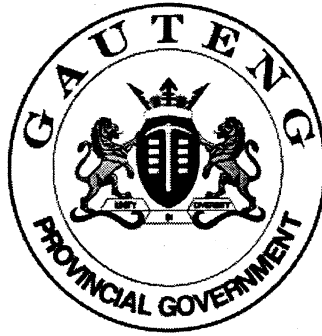


**SENIOR CERTIFICATE
EXAMINATION
SENIORSERTIFIKAAT-EKSAMEN**



**FEBRUARY / MARCH
FEBRUARIE / MAART**

2007

**GEOGRAPHY
AARDRYKSKUNDE**

**Second Paper
Tweede Vraestel**

LG

502-3/2

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

6 pages / bladsye



X05



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GAUTENGSE DEPARTEMENT VAN ONDERWYS
SENIORSERTIKAAT-EKSAMEN

AARDRYKSKUNDE LG
(Tweede Vraestel: Kaart- en
Lugfotovertolking)

TYD: 1½ uur

PUNTE: 60

HULPBRONMATERIAAL:

- Uittreksel uit die 1 :50 000 Topografiese Kaart van George
- Uittreksel uit die 1:10 000 Ortofotokaart van George

BENODIGHEDE:

- Kandidate moet hul eie toerusting verskaf en mag van 'n sakrekenaar en 'n vergrootglas gebruik maak.

INSTRUKSIES:

- Beantwoord AL die vrae.
 - Beantwoord Vraag 1 op die **antwoordblad** aan die **binnekant** van die **omslag** van jou **antwoordboek**.
 - Die hulpbronmateriaal (die topografiese kaart en die ortofotokaart) moet deur die skole ingeneem word vir hul eie verdere gebruik.
 - Kandidate moet van hul kennis van fisiese en menslike aardrykskunde gebruik maak om die vrae te beantwoord.
 - Die ligging van die verskynsels word op die topografiese kaart deur **letters** aangetoon, terwyl daar van **syfers** op die ortofotokaart gebruik gemaak word.
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GAUTENG DEPARTMENT OF EDUCATION
SENIOR CERTIFICATE EXAMINATION

GEOGRAPHY LG
(Second Paper: Map & Aerial
Photograph Interpretation)

TIME: 1½ hours

MARKS: 60

RESOURCE MATERIALS:

- An extract from the 1 :50 000 Topographic Map of George
- An extract from the 1:10 000 Orthophoto Map of George

REQUIREMENTS:

- Candidates must supply their own equipment and may make use of a pocket calculator and a magnifying glass.

INSTRUCTIONS:

- Answer ALL the questions.
 - Answer Question 1 on the **answer sheet** on the **inside cover** of your **answer book**.
 - The resource material (the topographic map and the orthophoto map) must be collected by schools for their own further use.
 - Candidates must draw on their knowledge of physical and human geography to answer the questions.
 - The positions of the features on the topographic map are indicated by **letters**, while **numbers** are used on the orthophoto map.
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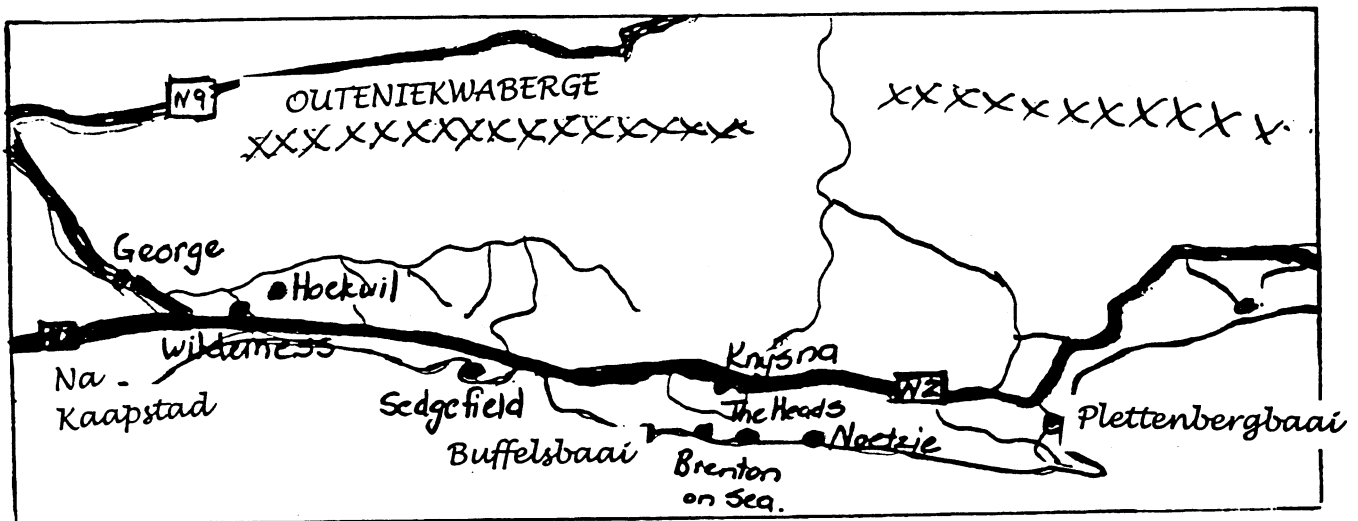
INLIGTINGSBLAD – GEORGE

George, geleë aan die voet van die Outeniekwaberge, is die sesde oudste dorp in Suid-Afrika. Dit is in die **Wes-Kaap** geleë. Die dorp se sentrale ligging tussen Kaapstad (420 km) en Port Elizabeth (320 km) en die nabyheid van ander dorpe op die Tuinroete, met pad-, lug- en spoorverbindings na al die belangrikste sentrums in die land, maak van George 'n hoof **verspreidings-, onderwys- en mediese sentrum**.

George het sy beeld verander vanaf 'n **nywerheids-groeipunt** na 'n belangrike **vakansie akkommodasiesentrum**.

Die gebied bestaan uit 'n mengsel van berge, riviere, **inheemse en bewerkte woude**, kleurvolle struik en veldblomme, lieflike strande en vrugbare landerye.

Bosbou is die ruggraat van die gebied se ekonomie. **Hops** word in die landelike gebiede rondom George en in die waterryke valleie van die Outeniekwaberge gekweek en voorsien in ongeveer die helfte van Suid-Afrika se behoeftes.



VRAAG 1

Elk van die volgende vrae word van VIER moontlike antwoorde voorsien, waarvan slegs EEN moontlikheid in elke geval korrek is. Maak gebruik van die **antwoordblad** aan die **binnekant** van die **omslag** van jou **antwoordboek** en trek 'n kruisie (X) oor die letter wat na jou mening die korrekte antwoord is.

1.1 Die presiese ligging van George is _____ .

- A. 33° S 22° E
- B. 33° E 22° S
- C. 22° S 33° E
- D. 22° N 33° W

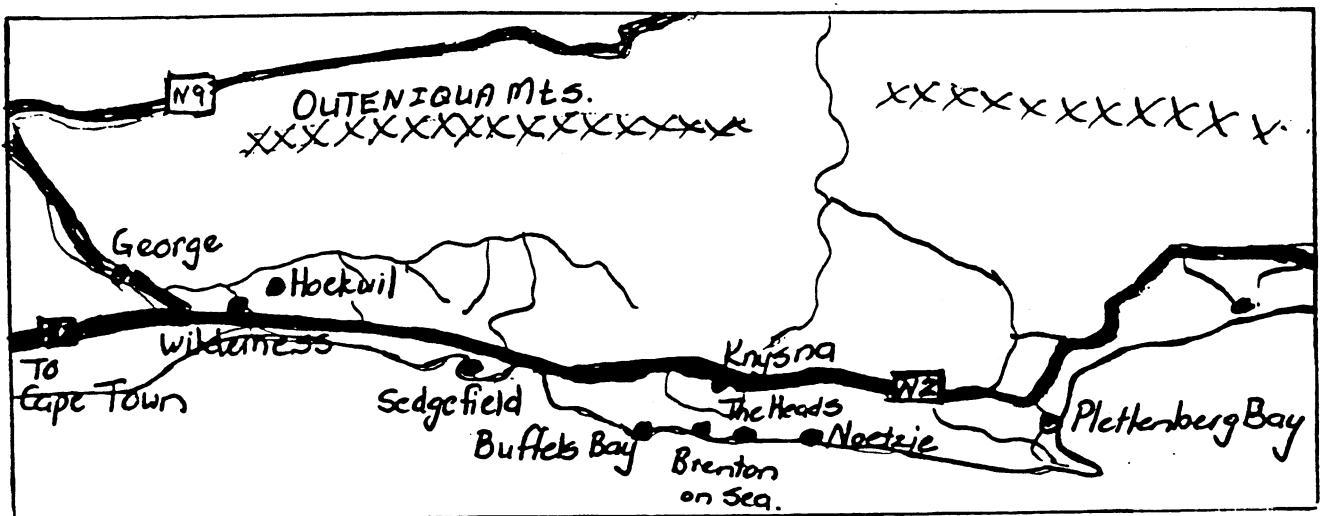
INFORMATION SHEET – GEORGE

George, nestling below the Outeniqua Mountains, is the sixth oldest town in South Africa. It is located in the **Western Cape**. The town is centrally placed between Cape Town (420 km) and Port Elizabeth (320 km) and is close to other towns on the Garden Route, with road, air and rail links to all the important centres in the country. These factors have resulted in George becoming a major **distribution, educational and medical centre**.

George has changed its image from an **industrial growth point** to a major **holiday accommodation centre**.

The area consists of a blend of mountains, rivers, **indigenous and cultivated forests**, colourful shrubs and wild flowers, glorious beaches and rich farmlands.

Forestry is the backbone of the area's economy. **Hops** are grown in the countryside around George, and the well-watered valleys of the Outeniqua Mountains supply about half of South Africa's needs.



QUESTION 1

Each of the following questions is supplied with FOUR possible answers, only ONE of which is correct. Make use of the **answer sheet** on the **inside cover** of your **answer book** and draw a cross (X) over the letter which, in your opinion, is the correct answer.

1.1 The exact position of George is _____.

- A. 33° S 22° E
- B. 33° E 22° S
- C. 22° S 33° E
- D. 22° N 33° W

- 1.2 Die vlugstrooknommer van die vertikale lugfoto is _____ .
- A. 12
 - B. 1013
 - C. 2660
 - D. 2780
- 1.3 Die fotonommer op die vertikale lugfoto is _____ .
- A. 12
 - B. 1013
 - C. 2660
 - D. 2780
- 1.4 Die skaal op die ortofotokaart is _____ .
- A. 1 : 5 000
 - B. 1 : 10 000
 - C. 1 : 20 000
 - D. 1 : 50 000
- 1.5 Die kontoerinterval op die topografiese kaart is _____ meter.
- A. 5
 - B. 10
 - C. 20
 - D. 100
- 1.6 Die direkte lynafstand tussen die padoorgang wat **P** (ruit **F5**) gemerk is tot by die padoorgang wat **O** (ruit **F7**) gemerk is, is ongeveer _____ kilometer.
- A. 2,8
 - B. 5,5
 - C. 5,6
 - D. 11,0
- 1.7 Die pad tussen nommer **11** en **12** op die ortofotokaart, daal _____ meter in hoogte.
- A. 5
 - B. 10
 - C. 15
 - D. 20
- 1.8 Die ware peiling vanaf die dam (ruit **E4**) na die monument op die Fancourt Gholflandgoed (Estate) (ruit **D3**) is _____ .
- A. 34°
 - B. 146°
 - C. 214°
 - D. 326°

- 1.2 The strip number of the vertical aerial photograph is _____ .
- A. 12
 - B. 1013
 - C. 2660
 - D. 2780
- 1.3 The photo number of the vertical aerial photograph is _____ .
- A. 12
 - B. 1013
 - C. 2660
 - D. 2780
- 1.4 The scale of the orthophoto map is _____ .
- A. 1 : 5 000
 - B. 1 : 10 000
 - C. 1 : 20 000
 - D. 1 : 50 000
- 1.5 The contour interval on the topographic map is _____ metres.
- A. 5
 - B. 10
 - C. 20
 - D. 100
- 1.6 The straight line distance between the road crossing marked **P** (Block **F5**) to the road crossing marked **O** (Block **F7**) is approximately _____ kilometres.
- A. 2,8
 - B. 5,5
 - C. 5,6
 - D. 11,0
- 1.7 The road between numbers **11** and **12** on the orthophoto map drops _____ metres in height.
- A. 5
 - B. 10
 - C. 15
 - D. 20
- 1.8 The true bearing from the dam (Block **E4**) to the monument on the Fancourt Golf Estate (Block **D3**) is _____ .
- A. 34°
 - B. 146°
 - C. 214°
 - D. 326°

1.9 Heroldsbaai is _____ geleë vanaf die padkruising wat O (ruit F7) gemerk is.

- A. noordoos
- B. noordwes
- C. suidoos
- D. suidwes

1.10 Die oorheersende straatpatroon in 'George-Suid' (ruit E6) is van die _____ tipe.

- A. onreëlmatige
- B. reghoekige
- C. beplan-onreëlmatige
- D. radiaal-konsentriese

10x2 = [20]

VRAAG 2

Verwys na die Inligtingsblad en die topografiese kaart om die volgende vrae te beantwoord.

- 2.1 In watter provinsie van Suid-Afrika is George geleë? (1)
- 2.2 Watter groot stad is die naaste aan George geleë? (1)
- 2.3 Watter dorp is ongeveer 53 km vanaf George geleë? (1)
- 2.4 George lê aan die voet van die (Drakens- / Outeniekwa- / Soutpans- / Nuweveld-) berge. (1)
- 2.5 George bied 'n aantal ontspanningsaktiwiteite. Noem EEN aktiwiteit. (1)
- 2.6 George se beeld het verander vanaf 'n nywerheidsgroeipunt tot 'n _____ dorp. (1)

[6]

VRAAG 3

Kies die korrekte antwoorde op Vraag 3.1 tot 3.3 uit die moontlike antwoorde tussen hakies.

- 3.1 Die rivier wat R gemerk is, is 'n (eerste / tweede / derde)-ordestroom waar dit ruit A5 verlaat. (1)
- 3.2 Die stroompatroon in die gebied wat Q (ruit C8) is, is hoofsaaklik (radiaal / tralie / dendrities). (1)

- 1.9 Herold's Bay (Heroldsbaai) is situated _____ from the road crossing marked O (Block F7).
- A. north-east
 - B. north-west
 - C. south-east
 - D. south-west
- 1.10 The dominating street pattern at George South (Block E6) is a/an _____ pattern.
- A. irregular
 - B. rectangular
 - C. planned irregular
 - D. radial-concentric (spider's web)

10x2 = [20]

QUESTION 2

Refer to the Information Sheet and the topographic map to answer the following questions.

- 2.1 In which province of South Africa is George situated? (1)
- 2.2 Which major city is situated nearest (closest) to George? (1)
- 2.3 Which town is situated about 53 km from George? (1)
- 2.4 George is situated at the foot of the (Drakens- / Outeniqua- / Soutpans- / Nuweveld-) mountains. (1)
- 2.5 The town of George offers a number of recreational activities. Name ONE activity. (1)
- 2.6 The image of George has changed from an industrial growth point to a _____ town. (1)

[6]

QUESTION 3

Choose the correct answers to Questions 3.1 to 3.3 from the possible answers between brackets.

- 3.1 The river marked **R** is a (first/second/third) order stream where it leaves Block **A5**. (1)
- 3.2 The stream pattern in the area marked **Q** (Block **C8**) is mainly (radial/trellis/dendritic). (1)

- 3.3 Die Skaapkoprivier (ruit G7) vloei in 'n (suid-westelike / suid-oostelike / noord-oostelike) rigting. (1)
- 3.4 Het George 'n hoë of lae reënval? Motiveer jou antwoord. 1+2 = (3)
- 3.5 Is die Skaapkoprivier in sy jeug- of ouderdomstadium wanneer jy afwaarts kyk vanaf die beplande brug gemerk M – N (ruit H8)? (1)
[7]

VRAAG 4

- 4.1 Gee TWEE bewyse op die topografiese kaart, wat aandui dat Heroldsbaai 'n vakansiedorp is. (2)
- 4.2 Verwys na die grondgebruik wat G in ruit F5 gemerk is.
- 4.2.1 Noem die tipe grondgebruik. (2)
- 4.2.2 Noem EEN faktor wat die ligging van hierdie grondgebruik begunstig. (2)
- 4.3 Die N2-roete loop nie deur die middel van George nie.
- 4.3.1 Noem EEN voordeel wat dit vir George inhou. (2)
- 4.3.2 Noem EEN nadeel wat dit vir George inhou. (2)
- 4.4 Bestudeer die ortofotokaart en identifiseer die
- 4.4.1 verskynsels wat 3, 8, 9 en 10 genummer is. (4)
- 4.4.2 landvorms wat 6 en 7 genummer is. (2)
- 4.5 Ligte nywerhede kom hoofsaaklik in Pacaltdorp Industria (ruit F5) voor.
- 4.5.1 Gee TWEE feite om hierdie stelling te bewys. 2x2 = (4)
- 4.5.2 Volgens die ortofotokaart, word Pacaltdorp Industria deur die PW Botha Boulevard met 'n ander nywerheidsgebied verbind. Wat is die naam van hierdie ander nywerheidsgebied? (2)
[21]

VRAAG 5

Bestudeer die vertikale lugfoto en beantwoord die volgende vrae.

- 5.1 Gee die naam van die woonbuurt wat 'b' op die vertikale lugfoto gemerk is. (2)
- 5.2 Benoem die mensgemaakte verskynsel wat 'd' gemerk is op die vertikale lugfoto. (2)
- 5.3 Benoem die mensgemaakte verskynsel wat 'f' gemerk is op die vertikale lugfoto. (2)
[6]
- TOTAAL: 60**

EINDE

- 3.3 The Skaapkop River (Block **G7**) flows in a (south-westerly) / south-easterly / north-easterly) direction. (1)
- 3.4 Does George have a high or low rainfall? Motivate your answer. 1+2 = (3)
- 3.5 Is the Skaapkop River in its youth or old age stage when you are looking downward from the planned bridge marked **M – N** (Block **H8**)? (1)
[7]

QUESTION 4

- 4.1 Name **TWO** indications on the topographic map that Herold's Bay (Heroldsbaai) is a holiday destination. (2)
- 4.2 Refer to the land-use type marked **G** in Block **F5**.
- 4.2.1 Name the land-use type. (1)
- 4.2.2 Name **ONE** factor that promotes the location of this land-use. (2)
- 4.3 The N2 route does not go through the centre of George.
- 4.3.1 Give **ONE** advantage to the town of George. (2)
- 4.3.2 Give **ONE** disadvantage to the town of George. (2)
- 4.4 Study the orthophoto map and identify the
- 4.4.1 features numbered **3, 8, 9** and **10**. (4)
- 4.4.2 landforms numbered **6** and **7**. (2)
- 4.5 Light industries are mainly found in Pacaltsdorp Industria (Block **F5**).
- 4.5.1 State **TWO** facts to prove this statement. (4)
- 4.5.2 According to the orthophoto map, Pacaltsdorp Industria is linked to another industrial area by the PW Botha Boulevard. What is the name of this other industrial area? (2)
[21]

QUESTION 5

Study the vertical aerial photo and answer the following questions.

- 5.1 Give the name of the residential area marked '**b**' on the vertical aerial photograph. (2)
- 5.2 Name the man-made feature marked '**d**' on the vertical aerial photograph. (2)
- 5.3 Name the man-made feature marked '**f**' on the vertical aerial photograph. (2)
[6]
- TOTAL: 60**

END