

**GAUTENG DEPARTMENT OF EDUCATION/
GAUTENGSE DEPARTEMENT VAN ONDERWYS
SENIOR CERTIFICATE EXAMINATION
SENIORSERTIFIKAAT-EKSAMEN**

**POSSIBLE ANSWERS FOR /
MOONTLIKE ANTWOORDE VIR :**

**GEOGRAPHY HG
AARDRYKSKUNDE HG**

**(SECOND PAPER)
(TWEEDE VRAESTEL)**

QUESTION / VRAAG 1

<p>1.1 -Northern (Limpopo) Province -Gauteng -KwaZulu/Natal -Freestate ANY TWO =(2)</p> <p>1.2 N4 (1)</p> <p>1.3 Mining / Farming (1)</p> <p>1.4 Olifants River (1)</p> <p>1.5 Indian Ocean (1)</p> <p>1.6</p>	<p>1.1 -Noordelike (Limpopo) Provinsie -Gauteng -KwaZulu/Natal -Vrystaat ENIGE TWEE =(2)</p> <p>1.2 N4 (1)</p> <p>1.3 Mynbou (1) of Landbou / Boerdery</p> <p>1.4 Olifantsrivier (1)</p> <p>1.5 Indiese oseaan (1)</p> <p>30°</p>				
<div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: right; margin-right: 10px;"> <p>29°(1)</p> <p>25° (1)</p> </div> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr> <td style="width: 50px; height: 50px;">A</td> <td style="width: 50px; height: 50px;">B</td> </tr> <tr> <td style="width: 50px; height: 50px;">C</td> <td style="width: 50px; height: 50px;">D</td> </tr> </table> <div style="text-align: left; margin-left: 10px;"> <p>1.6</p> <p>←</p> <p>+ (1) vir blokkies aangedui</p> </div> </div>		A	B	C	D
A	B				
C	D				
<p>26°</p> <p>1.7 True North (1)</p> <p>1.8 $25^{\circ} 54,7'$ South; $29^{\circ} 19,3'$ East =(4) OR (Allow $\pm 0,1'$) $36'' - 48''$s $29^{\circ}, 19', 12'' - 24''$E $25^{\circ}, 50''$</p> <p>1.9 Dam (1) Witbank dam.</p> <p>1.10 South-west (1) to the North East. North-west / to the South East</p>	<p>(6)</p> <p>1.7 (Ware) Noord (1)</p> <p>1.8 $25^{\circ} 54,7'$ Suid; $29^{\circ} 19,3'$ Oos =(4) (Laat $\pm 0,1'$ toe) (of $36'' \rightarrow 48''$) ($12'' \rightarrow 24''$)</p> <p>1.9 Witbankdam / Dam (1)</p> <p>1.10 Suidwes (1) / Noordwes (1) (In noordoostelike rigting (1) of suidoostelike rigting (1))</p>				

[19]

QUESTION / VRAAG 2

2.1 -Railway lines -Power lines -Aerodrome -Conveyor belt -Furrow ANY THREE =(3)	2.1 -Spoorlyne -Kraglyne -Vliegveld -Vervoerband -Voor ENIGE DRIE =(3) Kanaal, Voetslaanpad / Voetpad
2.2 North (1)	2.2 Noord (1)
2.3 325° (± 2°) (1)	2.3 325° (± 2°) (1)
2.4 Magnetic declination 1997 16° 37' West Change 4' x 7 years +28' westward (1) Magnetic declination 2004 17° 05' West (1) =(2) If wrong answer but knew to add (1)	2.4 Magnetiese deklinasie. 1997 16° 37' West Verander 4' x 7 jaar +28' weswaarts (1) Magnetiese deklinasie 2004 17° 05' Wes (1) =(2) (Opgetel wel 1 punt verdien)
2.5 325° + 17° 05' West (1) 342° 05' (± 2°) (1)	2.5 325° + 17° 05' Wes (1) (Kry 1 punt indien antw. 342° 05' (± 2°) (1) korrek as opgetel het)
2.6 1 cm represents 0,5 km (1) 1 cm rep 50 000 km	2.6 1 cm stel 0,5 km voor (1) Ander eenhede ook aanvaarbaar
2.7 Map distance 21,0 cm (± 1 cm) (1) Scale x 0,5 km (1) OR + 2. Distance 10,5 km (1) =(3) Can be given as m.	2.7 Kaartafstand 21,0 cm (± 1 cm) (1) (210 mm x 50 000) Skaal x 0,5 km (1) Afstand 10,5 km (1) =(3) 10 500 mm

2.8 Gradient/Gradiënt = $\frac{\text{Vertical Interval / Vertikale tussenruimte}}{\text{Horizontal Equivalent / Horizontale ekwivalent}}$ of 1: $\frac{\text{Horisontale ekwivalent}}{\text{Vertikale tussenruimte}}$ (Afkorting vir Formule aanvaarbaar) = $\frac{60\text{m}}{1600\text{m (1550 / 1650)}}$ (1) = $\frac{1600 (1550 / 1650)}{60 \text{ m}}$ (2) = 1:26,7 (1:25,8 – 1:27,5) (1) = (5) = 1:26,7 (1:25,8 – 27,5)	
2.9 -Steep gradient across Olifants River (1) -Through a nature reserve (1) =(2) - Sour - Old diggings	2.9 -Steil helling oor Olifantsrivier (1) Landvorm / Koppie in pad -Gaan deur 'n natuurreservaat (1)) =(2) - Ou mynbou-aktiwiteite in die pad

[20]

QUESTION / VRAAG 3

3.1 – 3.3 Sketch / Skets ✓ Through valley	
Katabatic Wind 3.4 -Cold air becomes heavy and sinks downward (1) -Valley fall from northwest (1) 2x1=(2)	3.4 -Koue lug word swaar en sak af (1) -Vallei daal vanaf die noordweste (1) - Katabatiese wind (1) 2x1=(2)
3.5 -More than 20 m above present water level of dam (2) -Small dams build upstream in river (2) =(4)	3.5 -Meer as 20 m bo huidige watervlak van dam (2) -Klein dammetjies word stroomop gebou (2) =(4)

[10]

QUESTION / VRAAG 4

	BLOCK / RUIT M4	BLOCK / RUIT M6	BLOCK / RUIT J7
4.1.1	CBD / Commercial SSK / Kommersieel (1)	Residential / Residensieel (1)	Industry / Nywerheid (1)
4.1.2	Grid / Reghoekig (1) / Rooster	Radial / Radiaal (1) Spinnerak	Irregular / Onreëlmatig (1)
4.1.3	High buildings / Hoë geboue Sky scraper Multi storey / wolkekrabbers (1)	Low buildings / Lae geboue (1) Single storey	High buildings / Hoë geboue (1)
4.1.4	High, less than J7 Gemiddeld Hoog, laer as J7 (1) Medium	Lowest pollution Minste besoedeling (1)	Highest pollution Meeste besoedeling (1)
4.1.5	Highest / Hoogste (1) Hoog	Lower / Laer (1) Medium	Lowest / Laagste (1) Laag (15)

4.2 ADVANTAGE: Easy to lay out (1) Subdivide DISADVANTAGE: Congestion of traffic (1) Accidents	4.2 VOORDEEL: Maklik om uit te lê (1) NADEEL: Verkeersopeenhoping (1) (ook ander aanvaarbare moontlikhede)
4.3 -Open cast mines make area uneven (2) -Sinking ground dangerous to expand (2) / Subsiders -Marsh land not suitable for buildings (2) Sewerage works Highway Industrial area to north ANY TWO 2x2=(4)	4.3 -Oopgroefmyne maak gebied ongelyk (2) -Insakkende grond gevaarlik vir uitbreiding (2) -Moerasagtig nie geskik vir geboue (2) - Rioolwerke - Deurpad - Industriële gebied ENIGE TWEE 2x2=(4)

[21]

QUESTION / VRAAG 5

5.1 Attached

5.1 Aangeheg

[10]