

education

Department:
Education
REPUBLIC OF SOUTH AFRICA

NATIONAL SENIOR CERTIFICATE

GRADE 12

GEOGRAPHY P2

FEBRUARY/MARCH 2009

EXAMINATION NUMBER							

CENTRE				
NUMBER				

MARK SCORED	100
MARKER	
SENIOR MARKER	
CHIEF MARKER	
MODERATOR	
TOTAL	
	100

MARKS: 100

TIME: 1 1/2 hours

This question paper consists of 9 pages.

RESOURCE MATERIAL

- An extract from topographical map 2629CC STANDERTON. 1.
- 2. Orthophoto map 2629CC STANDERTON.
- 3. NOTE: The resource material must be collected by the schools for their own
- 4. A non-programmable calculator may be used.

INSTRUCTIONS AND INFORMATION

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- 1. Write your EXAMINATION NUMBER and your CENTRE NUMBER in the space provided on the front cover of this question paper.
- 2. Answer ALL the questions in the spaces provided on this question paper.
- 3. You are supplied with a 1:50 000 topographical map, 2629CC STANDERTON and an orthophoto map of a part of the mapped area.
- 4. The topographical map and the orthophoto map must be handed to the invigilator at the end of this examination session.
- 5. The following English terms or their Afrikaans translations are shown on the topographical map.

ENGLISH	AFRIKAANS
Diggings	Uitgrawings
Brickworks	Steenwerke
Caravan park	Karavaanpark
Weir	Stuwal/Keerwal
Sewerage works	Rioolwerke

Geography/P2

QUESTION 1

The following questions are based on the 1:50 000 topographical map, 2629CC STANDERTON, as well as the orthophoto map of part of the mapped area. Various options are provided as possible answers to the following questions. Choose the answer and write only the letter (A - D) in the block next to each question (1.1 - 1.10).

1.1	The topo provin	graphical map south-west of 2629CC Standerton depicts part of the ice.	
	A B C D	Limpopo Free State KwaZulu-Natal Gauteng	
1.2		ction of the aerodrome in block D10 from Meyerville in block G12 on graphical map is	
	A B C D	north-west. south-west. south-east. north-east.	
1.3	The dam	wall in block G8 is located at a height of metres.	
	A B C D	1 580 1 540 1 551 1 560	
1.4	The aero	odrome in block D10 is found in the	
	A B C D	CBD. rural-urban fringe. residential area. slum zone.	
1.5	The feat	ure at 1 on the orthophoto map is a	
	A B C D	woodland cultivated land sewage disposal work water reservoir	
1.6	The dam for	ns that are found in the rural areas of Standerton are mainly used	
	A B C D	recreation. domestic purposes. industrial purposes. irrigation.	

1.7	The coo	ordinates of trigonometrical station number 101 in block B11 is	
	A B C D	26"53'46"'S29"13'22"'E / 26"53,7'S29"13,3'E. 26"53'46"E29"13'22"S / 26"53,7'E29"13,3'S. 29"13'22"S26"53'46"E / 29"13,3'S26"53,7'E. 29"13'22"E26"53'46"S / 29"13,3'E26"53,7'S.	
1.8		water is used around Standerton for agricultural purposes. One piece nce to prove the use of ground water is the presence of	
	A B C D	rivers. dams. windpumps. taps.	
1.9	The cha	nnel of the Vaal River in blocks F12, G11 and 12 is	
	A B C D	straight. meandering. braided. graded.	
1.10	The feat	ture marked 2 on the orthophoto map is a	
	A B C D	dam. sewage disposal works. water reservoir. furrow. (10 x 2)	[20]
QUES	TION 2		
2.1		te the length of the landing strip, in metres, from south-east to north-block D10.	
			(4

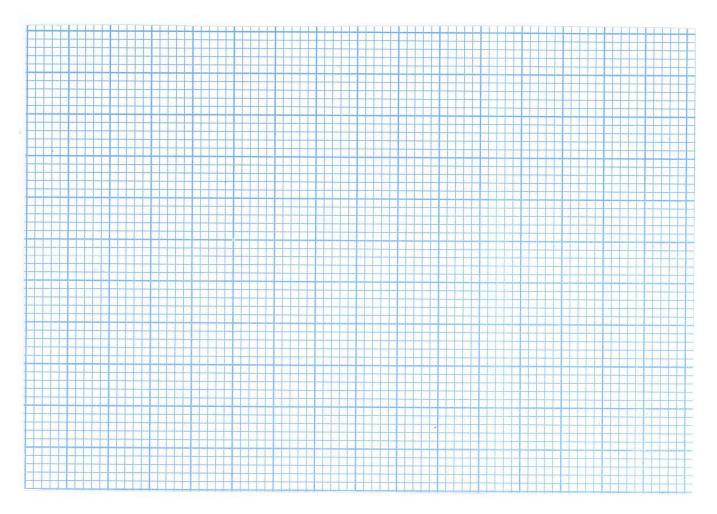
map. On your cross-section, indicate the location of the following features:

Water reservoir Power line Recreational facility

Use the following scales: Vertical scale - 1 cm represents 10 m Horizontal scale – 1:10 000

Graph paper for drawing of cross-section appears on the next page.





(9) **[18]**

QUESTION 3

3.1 Refer to the topographical map.

3.1.1	Why is the aerodrome situated in block D10 on the topographical map?	
3.1.2	What do you think are the disadvantages of living in a settlement	(2 x 2)(4)
	that is near the aerodrome in block D10?	(2 x 2)(4)

3.2.1	What is the dominant (main) economic activity that is practised in the rural areas of Standerton? Give a reason for your answer.
3.2.2	What is the product that is produced by the economic activity mentioned in QUESTION 3.2.1 above?
	is growing towards the west. Give ONE reason that is visible on the oto map, why it is impossible for this township to extend to the north.
	both the orthophoto map and the topographical map and identify the s/land uses labelled 6 , 7 and 8 on the orthophoto map.
6	
7	
7 8	· · · · · · · · · · · · · · · · · · ·
7 8	
78Refer to	block D3 on the topographical map. What method of irrigation is used to water the cultivated lands in
78Refer to 3.5.1	block D3 on the topographical map. What method of irrigation is used to water the cultivated lands in block D3? Give ONE advantage of the irrigation method mentioned in

3.7	Refer to t	the geomorphological feature in block F6 on the topographical map.	
	3.7.1	Identify the geomorphological features (labelled A) along Brakspruit in block F6 on the topographical map.	(1 x 2)(2
	3.7.2	Briefly describe the formation of the geomorphological feature mentioned in QUESTION 3.7.1 above.	(1 × 2)(2
			(2 x 2)(4
3.8	accessib	he principles of Batho Pele, namely 'People First', has to do with the illity of services to the people. Is that really happening in Sakhile? our answer.	
			(2 x 2)(4
3.9	Account	for the location of the rifle range north of Flora Park (block D12).	
			(1 x 2)(2 [40
QUES	TION 4		
.1	Differenti	iate between spatial and attribute data.	
	Spatial:		
	Attribute:	:	
			(2 x 2)(4

		(2)
Data sto	orage in GIS should be in a form of:	
4.3.1		
4.3.2		(2 :
State T	WO processes when working with a GIS.	
		(2 x
Define t	the term <i>remote sensing</i> .	
		(1 x
Answer	the following on spatial resolution.	
4.6.1	Define the term spatial resolution.	
		(1 x
4.6.2	Does the orthophoto map or the topographical map have a higher spatial resolution?	
		(1 x
	TOTAL ·	