

NATIONAL SENIOR CERTIFICATE

GRADE 10

GEOGRAPHY P2

EXEMPLAR PAPER

CENTRE NUMBER:	EXAMINATION NUMBER:			

MARKS: 75

TIME: 1,5 hours

This question paper consists of 9 pages.

147 2 E

CENTRE NUMBER:	EXAMINATION NUMBER:

RESOURCE MATERIAL:

- An extract from the topographic map 2826BB VIRGINIA
- Orthophoto map 2826 BB 14 MELODING

NOTE: The resource material must be collected by the schools for their own further use.

INSTRUCTIONS AND INFORMATION

- 1. Write your centre and examination numbers in the spaces provided.
- 2. Answer ALL the questions on this question paper.
- 3. Number the answers correctly according to the numbering system used in this question paper.
- Candidates should study the 1:50 000 TOPOGRAPHIC MAP 2826BB VIRGINIA and the ORTHOPHOTO MAP 282BB 14 MELODING before attempting to answer the questions.
- 5. The features on the topographical map are indicated by letters and the features on the orthophoto map by numbers.

The following English terms or their Afrikaans translations are shown on the 1:50 000 topographic map.

ENGLISH	AFRIKAANS
Canal/Furrow Cemetery Hospital Mine Shaft Camping site Slimes dam Golf course Limestone Drive-in theatre Aerodrome/Airport	Voor Begraafplaas Hospitaal Myn Skag Kampeerterrein Slikdam Gholfbaan Kalksteen Inryteater Vliegveld
Siphon	Oortappunt
Siphon River North	Oortappunt Rivier Noord
Show grounds Weir	Skougronde Studam of stuwal

	1400	
CENTRE NUMBER:		EXAMINATION NUMBER:

QUESTION 1

Various possible options are provided as answers to the following questions. Choose the correct answer and write the letter (A - D) in the block next to the question (1.1 - 1.10).

,.			
1.1	Virgir	nia is located in the Province.	
	A B C D	Gauteng Northern Cape KwaZulu-Natal Free State	
1.2	The	mean magnetic declination in July 2001 was west of true north.	
	A B C D	19° 20' 19° 44' 19° 32' 07° 32°	
1.3	The	road R73 to the north-west of Virginia leads to	
	A B C D	Hennenman. Winburg. Theunissen. Welkom.	
1.4		two primary economic activities which are predominant (are most rtant) in this region are	
	A B C D	mining and agriculture. mining and fishing. agriculture and forestry. mining and forestry.	
1.5	The a	altitude of Virginia is metres.	
	A B C D	approximately 1 400 2 826 between 1 300 and 1 340 between 1 280 and 1 300	

	(CENTRE NUMBER:	EXAMINATION NUMBER:
.6	On the	•	th-west of the 2826BB Virginia topographical
	A B C D	2827AC. 2826BC. 2727CC. 2726DC.	
.7	Choc	ose the INCORRECT answe	r below.
		easier to interpret the info	rmation on an orthophoto map than on a
	A B C D		res are printed on the orthophoto map. orthophoto map is 20 metres.
.8	The	contour interval on the topog	raphical map is metres.
	A B C D	30 50 10 20	
.9		type of farming which predor photo map and the topograp	minates in the region depicted (shown) on the phical map is farming.
	A B C D	milk commercial grain subsistence fruit	
.10	The	dominating (most important)	mineral mined in the area is
	A B C D	gold. copper. diamonds. coal.	
			(10 x 2)

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QUESTION 2

2.1 Calculate the distance in km of the stretch of the road numbered 9 on the orthophoto map. Show ALL the calculations.

 (4×1) (4)

2.2 Feature C (block E10) indicates a wetland on the farms Bloemhoek en Doomrivier. Why is it important that wetlands should be preserved and not used for cultivation?

 (1×2) (2)

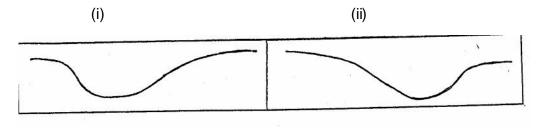
- 2.3 Identify and name the following physical features on the topographic map:
 - 2.3.1 A: (block C11) the erosion feature

 $(1 \times 2) \qquad (2)$

2.3.2 J: (block K11) the type of river (permanent, periodic or episodic)

 (1×2) (2)

2.3.3 N to O: Select the correct cross-section drawing, (i) OR (ii).



(1 x 2) (2)

	NTRE NUMBER: EXAMINATION NUMBER:
2.3.4	Name THREE tributaries of the Sand River.
	(3 x 2
	the farm Nuwemoed at the following co-ordinates (position) and the following questions:
28° 07' 26° 57'	
2.4.1	What type of farming (intensive or extensive) is practised or Nuwemoed?
2.4.2	Give TWO characteristics of this type of farming to support you answer in QUESTION 2.4.1.
	(2 x 2)
2.4.3	(2 x 2) Why is there no cultivation in the area between the canal and the Sand River? Give ONE possible reason.
2.4.3	Why is there no cultivation in the area between the canal and the
2.4.32.5.1	Why is there no cultivation in the area between the canal and the Sand River? Give ONE possible reason.
	Why is there no cultivation in the area between the canal and the Sand River? Give ONE possible reason. (1 x 2) Calculate the gradient from spot height 1366 (block G10) to
	Why is there no cultivation in the area between the canal and the Sand River? Give ONE possible reason. (1 x 2) Calculate the gradient from spot height 1366 (block G10) to

CE	NTRE NUMBER:	EXAMINATION NUMBER:
2.5.2		following sentences to describe the gradient lated in QUESTION 2.5.1:
	(a) The gradient is(b) The gradient is(c) The gradient is	relatively steep.
		(1 x 2)
TION 3		
photo m	,	features 1, 2 and 6 as indicated on the orto-
		(3 x 2)
•	he area in and around Vole to the residents of Virg	/irginia. Name THREE recreational activities inia.
		(3 x 2)
around		the environment due to the mining activities damage to the environment be rectified or
		(1 x 2)

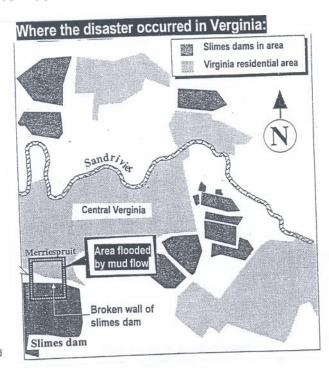
CENTRE NUMBER:	EXAMINATION NUMBER:

3.4 Read the following extract about Virginia from a newspaper article which appeared on Thursday, 24 February 1994 and study the accompanying sketch map.

THE NIGHT THE MUD CAME

A mass of water rained down onto Virginia due to a cloud burst on Tuesday night and caused the wall of a slimes dam to break. Waves of mud as high as the roofs of the houses poured over the homes of this small mining community. The cloud burst occurred at approximately nine o'clock on Tuesday night. The pressure of the water ripped a 50 metre gap into the wall of the slimes dam.

The damage is astronomical and caused untold pain and suffering to hundreds of people. Merriespruit is the closest to the slimes dam, only about 320 metres. The mud flowed over the houses in two streams of about 425 metres wide.



Please turn over

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3.4.1 Which suburb of Virginia was affected by the mud flow?

 (1×2) (2)

3.4.2 Give the alphanumeric reference (on the topographic map) for this suburb.

 (1×2) (2)

EXAMINATION NUMBER:	TRE NUMBER:	CEN
e topographic map, caused the disaster?	Which dam X, Y or Z or	3.4.3
(4) (2)		
(1 x 2)		
es of mass movement (mass wasting) the influence of gravity or gravity and		3.4.4
(1 x 2)		

TOTAL:

75