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## PHOENIX NORTH GEOGRAPHY CLUSTER NOVEMBER EXAMINATION: 2019

## PAPER 2

GRADE 10 MARKS: 75

**DURATION: 90 MINUTES** 

- 1. This paper consists of  $\underline{4}$  questions and  $\underline{10}$  pages.
- 2. The questions in this paper are based on the 1:50 000 topographical map and 1:10 000 orthophoto map of PARYS.
- 3. Write down your answers in the spaces provided.
- 4. Write down your name and division below.

NAME: \_\_\_\_\_\_\_GRADE: 10

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## **Question 1: Multiple Choice Questions**

Choose the correct answer from various options – write only the letter (A-D) in the block provided.

1.1)	The Earth's curved surface is represented on the topographical map projection.	o through the
В. С.	Azimuthal Lambert Cylindrical Gauss Conform	
1.2)	Which statement about the orthophoto map is correct?	
B. C.	Has no contour lines Has a smaller scale than topographical map Is 10 times bigger than the topographical map Contour interval is 5 metres	
1.3)	Point K on the topomap indicates a	
В. С.	Windpump Monument Water Tower Cross	
1.4)	Parys is in the province.	
	Free State	
	Gauteng	
	North West Limpopo	
<b>2  </b> Pag	g e	

1.5)	The type of road at point 3 on the orthophoto map is	
	<ul><li>A. National Freeway</li><li>B. Main Road</li><li>C. Secondary Road</li></ul>	
	D. Arterial Road	
1.6)	The height of the land at point numbered 11 on the orthophoto map is	s m
	A. 1378.72	
	B. 1373.08	
n 19 31	C. 1380	
	D. 1371.52	
1.7)	Height in block C4 on the topographical map is not shown by	
	A. Bench Mark	
	B. Spot Height	
*;	C. Trig Beacon	
•	D. Contours	
1.8)	Points between 13 and 14 on the orthophoto map indicates a	
	A. River	
	B. Forest	
	C. Road	
	D. Racing Track	
	1850s flavor to reversi how'y	
1.9)	The "diggings" on the orthophoto map is represented by the number	
	A. 7	
	B. 10	
	C. 1	
	D. 15	

1.10)	The index of an atlas is located at the of an atlas	
	A. Front B. Middle C. Back D. Centre	
1.11)	The direction of point R from point S on the topographical map is	
	A. NE B. SW C. SSW D. ESE	
1.12)	Very few buildings are evident in block J3 because of the presence o	f
	A. Cultivated Land B. Steep Slope C. A Marsh D. A Road	
1.13)	There is no crop farming taking place in block C, because	
	<ul><li>A. There is an absence of dams</li><li>B. The land is rugged</li><li>C. There is an absence of perennial streams</li><li>D. There is an absence of a road</li></ul>	
1.14)	The Vaal River is a/an river	
	A. Non-perennial B. Perennial C. Episodic D. Exotic	
4   Pa	g e	

	The towns of	is 29 km away from the mapped area
	A. Potchefstroom	
	<ul><li>B. Sasolberg</li><li>C. Fochville</li></ul>	
	D. Dover	
		$(15 \times 1)[15]$
	of deed to apply on the 1819 of	
ues	tion 2: Map Calculation	
1) (	.1 1	v s
1) C	alculate the straight line di	stance between trig beacon 706 (H5) and spot height
008 (	H1). Give your answer in	metres. (3)
	2 . 1	
	x • •	
2) Da	etermine the difference in l	hoight hotman trial home 700 (TIS)
2) De	etermine the difference in l	height between trig beacon 706 (H5) and spot height
2) De	etermine the difference in l	
2) De 68 (1	etermine the difference in l H1). Give your answer in r	height between trig beacon 706 (H5) and spot height netres.
2) De	etermine the difference in l	
2) De	etermine the difference in l	
2) De	etermine the difference in l	
2) De	etermine the difference in l	
2) De	etermine the difference in l	
2) De	etermine the difference in l	
2) De	etermine the difference in left). Give your answer in r	
2) De	etermine the difference in l	
2) De 568 (I	etermine the difference in left). Give your answer in r	
2) De	etermine the difference in left. H1). Give your answer in r	

MD for current year:		
Annual change:		
Fotal change:		
MD for 2019:		
		· —
. 4) Determine the TRUE R	BEARING of trig beacon 706 (H5) from spot height	
.568 (H1)	Difference of this beacon 700 (113) from spot height	(3)
2.5) Calculate the straight lin	ne distance of Allenby Street on the orthophoto map.	(3)
5) Calculate the straight lin	ne distance of Allenby Street on the orthophoto map.	` `
.5) Calculate the straight lin		` `
5) Calculate the straight lin		` `
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## **Question 3: Application and Interpretation** 3.1) The Northern part of the receives seasonal (poor) rainfall. Quote three pieces of evidence from block A5 to substantiate this statement. (6) 3.2) Identify two types of recreational facilities found in G8. (2)3.3) Refer to the Vaal River as it passes West End (H7). State one advantage and one disadvantage as this river passes West End. $(2 \times 2)$ (4) Advantage: Disadvantage: 7 | Page

3.4.1) What type of movement was Sipho involved in?	(1
3.4.2) Describe the impact of the type of movement mentioned in Q3.4.1 above of	n:
a) Edenvale:	
	(2)
b) The Town:	(~)
	(2)
3.4.3) Outline two steps that the government can take in order to reduce the number people leaving areas like Edenvale. $(2 \times 2)$	er of (4)
3.5) What is the significance of the row of trees on the Rietpoort farm in block F6	
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Question 4: Geographical Information System - GIS	
4.1) List two advantages that GIS has over paper maps.	(2)
4.2) Differentiate between hardware and software.	(2)
Hardware:	
Software:	
1.3) Study the sketch showing spatial objects	
landing Strip Landingstrook  Galf  Galf  Gaholipsen  S. School	
2 1) D. C	(2)
3.1) Define the term spatial object.	

4.3.2) Identify the various types of spatial objects in the sketch.	(3)
Line:	
Point:	
Polygon:	
4.3.3) Describe a line.	(2)
	·
4.4) How many types of lines are there in the sketch?	(1)
4.5) State two disadvantages of remote sensing.	(2)
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4.6) Name one remote sensing device that is used to capture data.	(1)
	[15]
GRAND	) TOTAL: [75]
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