KZN - DEPARTMENT OF EDUCATION GREENBURY SECONDARY SCHOOL

FINAL EXAMINATION 2016

GEOGRAPHY P2

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DATE:

02/11/16

EXAMINER:

EDUCATOR

D. RAMASAMI

TIME:

1.5 HOURS

MODERATOR: F. PARUK

MARKS: 75

NAME:	·	
GRADE/ DIV:		-

QUESTION	CONTENT	MARKS
ONE	Multiple choice questions	15
TWO	Map calculations	20
THREE	Map and photo interpretation	26
FOUR	Geographical Information System	14

MARKS:
MARKS:

QUESTION ONE

MULTIPLE CHOICE QUESTIONS

The following questions are based on the 1:50 000 topographical map, as well as the orthophoto map. Various options are provided as possible answers to the following questions. Write down thye letter of the correct answer in the spaces provided..

1.1.	The contour interval of the orthoph	oto map is			
	A > mad				
	A) 5M				
	B) 10M			•	
	C) 20M				
	D) 15M				
1.2.	The map projection used on the t	onographical man ia			
1 1 200 5	The map projection asca on the t	opograpnical map is			(
	A) Gauss Conform Projection				
	B) Lamberts Projection				
	C) Mercator				
	D) Universal Transverse.				

1.3.	Queenstown is found in the		1		
	A) Weatern Cape				
	B) KZN			•	
	C) Eastern Cape		r e e		
	D) Gauteng				
:	b) Gadterig				·
1.4.	The scale of the topographic map	isthan the topod	raphic map		
		,	,		
	A) 5 times smaller				
	B) 5 times larger				
,	C) 50 times smaller				. (
	D) 50 times larger				
					Annylanterative performativene
1.5.	The type of rock found on the floo	dplains of Queenstow	n is		
	A) Igneous	Markey and the second of the s		,	
	B) Sedimentary				
	C) Metamorphic				
	D) None of the above			·	,
1.6	The latitudinal position of Queens	town is			
	A) 31° S				
	*				
	B) 26° E				
	C) 31° E				
	D) 26° S				19 to 19
		PTO: PAGE 5			

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1.7.	The river at Q on the topographic map is a/an river	
	A) PerennialB) Non PerennialC) EpisodicD) Exotic	Manager and a second second
1.8.	The road used to travel to East London in a South Easterly direction is a/an	
	A) National road B) Main road C) Secondary road D) Other road	Was a state of the same of the
1.9.	The orthophoto map is an example of a/an	
	A) VerticalC) ObliqueC) High obliqueD) Low oblique	Abyerry Mark Mark All Street Control
1.10.	The magnetic declination in 2016 will be than the MD for 2002.	
	A) SmallerB) BiggerC) SameD) None of the above .	
1.11.	The landuse 14 on the orthophoto map is	
)	A) Primary B) Secondary C) Tertiary D) Quartenary	
1.12.	The land use 3 on the orthophoto map is a	
	A) School B) factory C) Commercial D) Warehouse	Jan 2000 - 1
1.13.	The slope at K on the topographic map is	
	A) Steep B) Gentle C) Concave D) Convex	

		6	4 44	
.14.	The relief of Queenstown	prevents expansion in	a/an direction	
	A) EasterlyB) WesterlyC) South WesterlyD) Northerly			
15.	. Recreational feature 2 on the orth	ophoto map is a/an		
	A) Soccer field			
	B) Golf Course C) Park D) Rugby field			
	z, rugu, vara		(15 x 1)	[15]
	QUESTION TWO MAP CALCULATIONS			
	Calculate the average gradient betwoon the topographic map map	/een spot height 1192 (c	3) and trig beacon 203 (G	·
			harden and the second	
		the state of the s		
		Manager of the Control of the Contro		(4
	Using the topographic map, calcula		or spot neight 1192 (33)	
	from trig beacon 203 (G6) for 2002.			
	grander i de de la companya de la co			
			The second secon	
		•		(4

. State the c	rid reference of the reservoir in G5 on the topographic	. ,
	The reference of the reservoir in Go on the topographic	тар.
		(4
	cross drawn from the topographic map section below a some some section below a some section section below a some section secti	(3)

[20]

QUESTION 3

MAP AND PHOTO INTERPRETATION

3.1.1.	Identify the feature represented by the number 10 on the orthophoto map	(2)
3.1.2.	State one economic advantage of this feature. (Answer 3.1.1.)	,
		(2)
3.2.	Refer to the topographic map and orthophoto map:	
3.2.1.	State one factor favouring farming in the SW corner of the topographic map.	(
		(2)
3.2.2.	Name two recreational activities that can be done in/on the Bonkolo dam (B8/C8)	
3.2.3.	State two measures that people in Queenstown put in place to cater for the low rainfall	(2)
		(2)
3.3.1.	Which cross section, A, B, or C represents the cross section of Bonker'kop between points 7 and 8?	(
	A B C	
		(2)

3.3.2.	State the height of the trig beacon in D7.	(2)
3.3.3.	Refer to the topographic map and orthophoto map and identify the land use/ feature. L (specify type)	, ,
	S	
	6 (type of slope)	(10
3.3.4.	State two reasons for the location of the sewage works in E4. 1.	
	2.	(2) [26]
	QUESTION 4	
	GEOGRAPHICAL INFORMATION SYSTEM	
4.1.	What is Geographical Information system?	(0)
4.2.	a)	(2)
	b)	
4.3.	Give an example of primary data for a student doing research on crime of his area.	(4)
		(1)

Rasi	er:			
Vec	or:		· ·	
	prompting (principle) and a second principle of the se		•	
	- The stands described to the second of the state of the	Manufacture and the second		Bulgara var er er jir yegeblashtiyan meriliren ergir yed blandray
3ive ar	example of a p	oolygon in G4		
- Companish salar tayan akay anaka salah kayaka s				
		ТО	PTAL = 75	
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		•		

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QUESTION ONE

в√ 1.1.

1.9. A √

1.2. ΑV 1.10. B √

C√ 1.3.

1.11. ΑV

A√ 1.4.

 $A \sqrt{}$ 1.12.

в√ 1.5.

1.6. ΑV 1.13. C√

1.7. В√ 1.14. D√

В√ 1.15.

ΑV 1.8.

QUESTION TWO

HE √

OR VI/HE

$$= 1417.3 - 1192 \,\mathrm{m}$$
 : $14.2/2 \,\mathrm{km}$

VI

(14.0 - 14.4)

: 7.1km x1000

(7.0 - 7.2 km)

: 7100 m √

(7000 - 7200)

225.3/225.3

1

: 7100/225.3

: 31.5 √

(31 - 32)

2.2. TB =
$$180^{\circ} + 44^{\circ} \sqrt{=220^{\circ}} \sqrt{}$$

$$(42^{\circ} - 46^{\circ}) = (221^{\circ} - 226^{\circ})$$

$$MB = TB + MD \sqrt{}$$

$$= 220^{\circ} + 24^{\circ} 16'$$

2.3. $Area = L \times B$

$$L = 7.7 / 10 = 0.77 \text{ km } \sqrt{}$$

$$(7.5 - 7.9)$$

B =
$$7.1 / 10 = 0.71 \text{ km } \sqrt{}$$

$$(6.9 - 7.3)$$

Area =
$$0.77 \times 0.71 = 0.55 \text{ km} 2 \sqrt{}$$

$$(0.52 - 0.58)$$

2.4. Latitude - 31° 56′
$$\sqrt{23''}$$
 \sqrt{S}

$$(20'' - 25'')$$

$$(17'' - 21'')$$

2.5.1. VE = VS/HS = 2cm rep 20m/1:50000
$$\sqrt{\ }$$
 = 1cm rep 10m/1:50000 = 1:1000/1:50000 $\sqrt{\ }$ = 50000/1000 = 50 times $\sqrt{\ }$

2.5.2. Allows us to study details of the cross section. $\sqrt{\sqrt{}}$

QUESTION THREE

- 3.1.1. Road/national road $\sqrt{}$
- 3.1.2. Helps in transportation of goods and services $\sqrt{\sqrt{}}$
- 3.2.1. Flat land, presence of water, transport $\sqrt{\sqrt{}}$
- 3.2.2. Fishing $\sqrt{\ }$, swimming $\sqrt{\ }$ (any water sport)
- 3.2.3. Reservoirs $\sqrt{\ }$, dams, furrows $\sqrt{\ }$
- 3.3.1. A √√
- 3.3.2. 1468.9 √√
- 3.3.3. L-river VV

S – recreation/sportsfield $\sqrt{\sqrt{}}$

- 9 residential $\sqrt{\sqrt{}}$
- U railway line $\sqrt{1}$
- 6 − steep slope $\sqrt{\sqrt{}}$
- 3.3.4. Flat land $\sqrt{}$

Away from residential area $\sqrt{}$

River

QUESTION FOUR

- 4.1. The use of computer technology to study geographical data $\sqrt{\sqrt{}}$
- 4.2. Primary information collected by the user $\sqrt{\sqrt{}}$ Secondary using info researched by other people $\sqrt{\sqrt{}}$
- 4.3. The student can interview residents in his area $\sqrt{}$
- 4.4. Raster information represented by means of pixels/grid cells $\sqrt{\sqrt}$ eg. Orthophoto map \sqrt Vector Information represented by means of points lines and polygons $\sqrt{\sqrt}$ eg. topographic map \sqrt
- 4.4. Farm,√Dam