

## basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

# NATIONAL SENIOR CERTIFICATE

**GRADE 12** 

**GEOGRAPHY P2** 

**NOVEMBER 2010** 

**MARKS: 100** 

TIME: 11/2 hours

<b>EXAMINATION</b>							
NUMBER							
CENTRE							
MILIMPED							

MARK SCORED	100
MARKER	
SENIOR MARKER	
CHIEF MARKER	
MODERATOR	
TOTAL	
	100

This question paper consists of 10 pages and 1 page for rough work.

#### **RESOURCE MATERIAL**

- 1. An extract from topographical map 3424BB HUMANSDORP.
- 2. Orthophoto map 3424 BB 1 HUMANSDORP.
- 3. NOTE: The resource material must be collected by the schools for their own use.

#### INSTRUCTIONS AND INFORMATION

- 1. Fill in your EXAMINATION NUMBER and your CENTRE NUMBER in the spaces provided on the cover page.
- 2. Answer ALL the questions in the spaces provided in this question paper.
- 3. You are supplied with a 1:50 000 topographical map 3424BB HUMANSDORP and an orthophoto map of a part of the mapped area.
- 4. You must hand in the topographical map and the orthophoto map to the invigilator at the end of this examination session.
- 5. You must use the blank page at the back of this paper for all rough work and calculations. Do NOT detach this page from the question paper.
- 6. Show ALL calculations. Marks will be allocated for calculations.
- 7. You may use a non-programmable calculator.
- 8. The following English terms and their Afrikaans translations are shown on the topographical map.

ENGLISH	AFRIKAANS
Diggings	Uitgrawings
Caravan Park	Karavaanpark
Sewage Works	Rioolwerke
River Mouth	Riviermond
Golf Course	Gholfbaan
Wetland	Vlei

#### **QUESTION 1**

The questions below are based on the 1:50 000 topographical map 3424BB HUMANSDORP, as well as the orthophoto map of a 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		projection.	
	A B C D	Mercator Gauss Conform Lambert Transversal	
1.2	The	landform that is found at <b>P</b> in block B11, is a	
	A B C D	rocky outcrop. cape. sandy beach. coastal rock.	
1.3	Asto	on Bay (E10) has a/an street pattern.	
	A B C D	grid iron radial/cobweb planned irregular/free unplanned irregular	
1.4	The	slope south of Kwa Nomzamo (C2) is	
	A B C D	gentle. steep. convex. concave.	
1.5		aerial photograph which shows contour lines, spot heights, trigonometrical ions and other labelled features, is called a/an	
	A B C D	oblique aerial photograph. topographical map. orthophoto map. vertical aerial photograph.	
1.6	The	mean magnetic declination of this map in 2010 was	
	A B C D	26°50' east of true north. 26°50' west of true north. 24°08' west of true north. 24°08' east of true north.	

1.7	The	index of the map sheet northwest of Humansdorp is	
	A B C D	3324DC. 3324DD. 3325CC. 3424BA.	
1.8	The	co-ordinates of trigonometrical station 140 in block B3 are	
	A B C D	34°01′20″S24°47′44″E / 34°01,3′S24°47,7′E. 34°02′40″S24°48′16″E / 34°02,7′S24°48,3′E. 34°01′20″E24°47′44″S / 34°01,3′E24°47,7′S. 34°02′40″E24°48′16″S / 34°02,7′E24°48,3′S.	
1.9	The	feature numbered 1 on the orthophoto map is a	
	A B C D	soccer field. sewage works. dam. marsh.	
1.10	The	scale of the orthophoto map is than that of the topographical map.	
	A B C D	5 times smaller 5 times larger 40 times smaller	
		(10 x 2)	[20]
QUESTI			
2.1	spot	ermine the magnetic bearing of trigonometrical station 94 in block E1 from the height 97 in block D1 for 2010. Show ALL calculations. Marks will be cated for calculations.	
			(5)

Identify th	ne man-made	feature ma	arked <b>2</b> on t	he orthoph	noto map.	
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Draw a spot heig	free-hand ght 24 (F7) nical map.	(rough)	cross-sec	ction of	the lar	ndform fro (F8) on t
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Draw a spot heig	free-hand ght 24 (F7)	(rough)	cross-sec	ction of	the lar	

Block F	1 on the topographical map is covered by cultivated land. Calculate the
area of calculat	this block in km <sup>2</sup> . Show ALL calculations. Marks are allocated for
ION 3	
Refer to	b both the topographical map and the orthophoto map in answering the
Refer to	The mapped area may be described as a wet region. Give TWC
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.1.3	Find the cemetery numbered 9 on the orthophoto map. In which urban land use zone is the cemetery located?
	(1 x 2)
.1.4	Give ONE reason, visible on the orthophoto map, why the specific location was selected for the cemetery.
	(1 x 2)
1.5	Give a reason for the cultivation of rows of trees on the fruit farms in blocks D9 and D10.
	(1 x 2)
1.6	The streams in block E3 are flowing fairly slowly. Quote evidence from the map to support this statement.
	(1 x 2)
1.7	Krombaai (I6) is often visited by local tourists. Name TWO recreational activities that these tourists engage in during their stay at this resort.
	(2 x 2)
1.8	(2 x 2)  Paradise Beach (G9) is a new urban development. With reference to its location, name TWO strategies that can be implemented to ensure sustainable development of the coastline.
	(2 x 2)

3.1.9			graphical map is irrigate WO advantages of th	
				_
			(2 x	2) (4
3.1.10		out not inhabited by hu	the topographical map uman beings. Give ON	
				<u></u>
			(1 x	2) (2
3.1.11	Identify the landform	numbered 3 – 4 on the	orthophoto map.	
			(1 x	2) (2
3.1.12	•	•	c B11) and Humansdo is of the following, on th	•
		WAVECREST	HUMANSDORP	
	Street pattern			
	Flow of traffic			
			(4 x	2) (8
3.1.13	What street name i Humansdorp (B2)?	s given to the R102	where it runs throug	gh
			(1 x	
				[

ΛI.	IECT		J 4
wι	JESTI	IVI	N 4

i olygo	on feature:
Line fe	
	(2 x 2
With i	reference to the concept of attribute data, answer the following ons.
4.2.1	Define the term attribute data.
	(1 x 2
4.2.2	Name ONE attribute of the N2 in block A2.
Data :	
decisio	ntegration is combining different types of data for the purpose of
decisio	ntegration is combining different types of data for the purpose on-making. Discuss TWO types of data that a farmer in block A5 wier before cultivation.
decision consider the consider the consider the consideration of the con	ntegration is combining different types of data for the purpose con-making. Discuss TWO types of data that a farmer in block A5 wier before cultivation.
decision consideration decision decision consideration decision decisio	ntegration is combining different types of data for the purpose of n-making. Discuss TWO types of data that a farmer in block A5 will be before cultivation.  (2 x 2)  where the topographical magnes are TWO layers of information that were used in compiling the

the store.		

10

NSC

**TOTAL: 100** 

### **ROUGH WORK AND CALCULATIONS**