



Province of the
EASTERN CAPE
EDUCATION
CHRIS HANI EAST

SOCIAL SCIENCES

GRADE 9

GEOGRAPHY

Term 1 Test

March 2025

Name: _____

School: _____

	QUESTION 1	QUESTION 2	QUESTION 3	QUESTION 4	Learner's mark
	30	6	8	6	
MARKS OBTAINED					

Duration: 1 Hour 30 Minutes

50 Marks

INSTRUCTIONS:

Write in your neatest handwriting.

Make sure that you read the question carefully and that you understand what the question asks

- THIS QUESTION PAPER CONSIST OF 7 PAGES

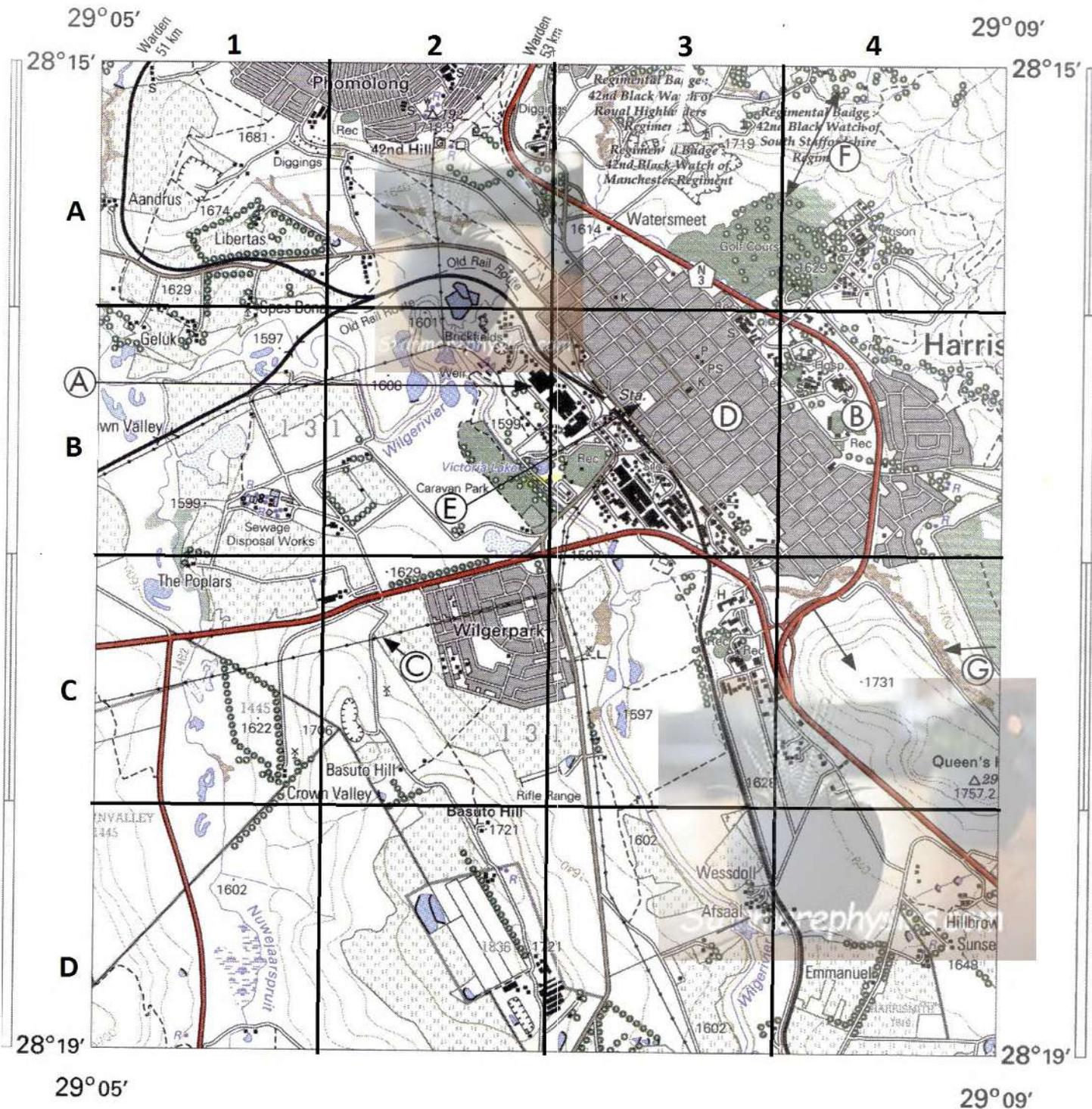
QUESTION 1

[6 Marks]

QUESTION 1

All questions in this section are based on the **Extract of 2829AC HARRISMITH**.

Extract of
1: 50000 Scale
2829AC HARRISMITH



REFERENCE		VERKLARING
National Freeway; National Route.....		Nasionale Deurpad; Nasionale Roete
Arterial Route.....		Hoofverkeersroete
Main Road.....		Hoofpad
Secondary Road; Bench Mark.....		Sekondêre Pad; Hoogtemerk
Other Road; Bridge.....		Ander Pad; Brug
Track and Hiking Trail.....		Dowwe Pad en Voetslaanpad
Railway; Station or Siding.....		Spoorweg; Stasie of Sylyn
Other Railway; Tunnel.....		Ander Spoorweg; Tunnel
Embankment; Cutting.....		Opvulling; Deurgrawing
Power Line.....		Kraglyn
Built-up Area (High, Low Density).....		Beboude Gebied (Hoë, Lae Digtheid)
Buildings; Ruin.....		Geboue; Murasie
Post Office; Police Station; Store.....		Poskantoor; Polisiestasie; Winkel
Place of Worship; School; Hotel.....		Plek van Aanbidding; Skool; Hotel
Fence; Wall.....		Draadheining; Muur
Windpump; Monument.....		Windpomp; Monument
Communication Tower.....		Kommunikasietoring
Mine Dump; Excavation.....		Mynhoop; Uitgraving
Trigonometrical Station; Marine Beacon.....		Peilbaken; Seevaartbaken
Lighthouse and Marine Light.....		Vuurtoring en Seevaartlig
Cemetery; Grave.....		Begraafplaas; Graf
International Boundary and Beacon.....		Internasionale Grens en Baken
Provincial Boundary.....		Provinsiale Grens
Protected Area.....		Bewarings Gebied
Perennial River.....		Standhoudende Rivier
Perennial Water.....		Standhoudende Water
Non-perennial River.....		Nie-standhoudende Rivier
Non-Perennial Water.....		Nie-standhoudende Water
Dry Water Course.....		Droë Loop
Dry Pan.....		Droë Pan
Marsh and Vlei.....		Moeras en Vlei
Pipeline (above ground).....		Pyplyn (bo die grond)
Water Tower; Reservoir; Water Point.....		Watertoring; Reservoir; Waterpunt
Coastal Rocks.....		Kuslynrotse
Prominent Rock Outcrop.....		Prominente Klipbank
Erosion; Sand.....		Erosie; Sand
Woodland.....		Beboste Gebied
Cultivated Land.....		Bewerkte Land
Orchard or Vineyard.....		Boord of Wingerd
Recreation Ground.....		Ontspanningsterrein
Row of Trees.....		Rye Bome

1.1. Encircle a correct letter

1.1.1. Lines that indicate equal height above the sea level.

- A. Latitudes
- B. Contour lines
- C. 100 m

1.1.2. A contour interval of the map of Harrismith is.....

- A. 20 m
- B. 20 Km
- C. 100 m

1.1.3. A landform at **A4** is.....

- A. Permanent rock
- B. Perennial river
- C. River valley

1.1.4. One of the following indicators is not the height indicator

- A. Contour lines
- B. Benchmark
- C. Contour interval

1.1.5. In the North eastern part of A4 there is no sign of housing or buildings because;

- A. the area is an ocean
- B. the area is mountainous
- C. is a cultivated area

1.1.6. The highest area in this map is.....

- A. Basuto Hill in D2
- B. Queen's Peak Hill in C4
- C. 42nd Hill in A2

(6X1) 6

1.2. Write any two feature symbols in **C2** and **C3** on each column category below. (6)

Line symbols	Area symbols	Point symbols
1.2.1.		
1.2.2.		

(6)

1.3 Refer to the main river in block **D3**.

1.3.1 What is the name of the main river in block D? (1)

1.3.2 What is the usefulness of the river to the nearby cultivated lands? (1)

1.4. Refer to blocks **A4** and **D4**

1.4.1 Which block (A4 or D4) represents gentle slope? (1)

1.4.2. Give reason for your answer in 1.4.1 (1)

1.5. What is a grid reference of;

1.5.1. A wind-pump in **C2**:

_____ (2)

1.5.2. The reservoir at **D1**:

(2)

1.6. Calculate the distance in **km** from spot height **173** in block **C4** to trigonometrical beacon **29** in block **C4**. (3)

Calculate



1.7. Break down the code of this map (2829AC HARRISMITH) (4)

1.8. What direction is the excavation in **C2** from the reservoir in **D1**? (1)

1.9. **a)** Does Phomolong have electricity supply? (1)

b) Why do you say that? Support your answer. (1)

QUESTION 2

2.1. Match the contour patterns on the left with the landforms on the right.

1

2

3

4

5

6

A

B

C

D

E

F

ANSWERS

1.

2.

3.

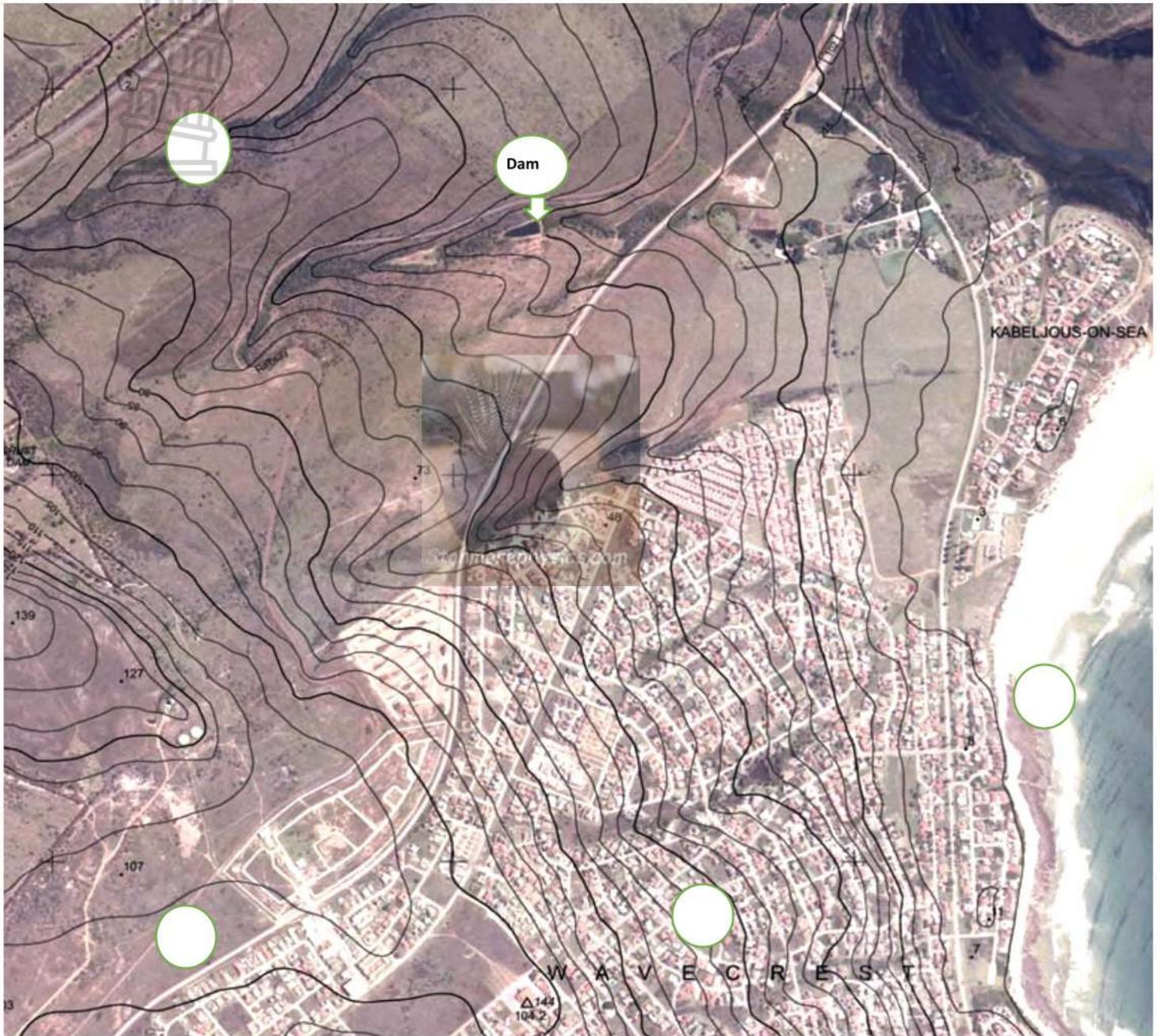
4.

5.

6. (6)

QUESTION 3

3.1. Study the orthophoto below



An Ortho-photo map of an area near Jeffrey's Bay in the Eastern Cape

3.1.1. What is used on the above photo to determine the height? (2)

_____ and

3.1.2. What is the contour interval of contours on photo? _____ (1)

3.1.3. The altitude (height) of the **Dam** pointed with an arrow on the photo is

_____ (1)

3.1.4. Identify the following features on the image: put the letters **A** to **D** on the photo. (4).

- A.** a gentle slope, **B.** a river valley, **C.** a settlement. **D.** Beach.

QUESTION 4

Study the aerial photographs below and match each photo with a correct letter.

- A.** It is difficult to guess the height of building because you cannot see the sides of the buildings very clearly
- B.** Some features are blocked out in this photograph because of the angle of the camera.
- C.** This photograph was taken with the camera lens in a perpendicular position to the ground
- D.** This is the view from the window of an airplane.



Ellis Park



Ellis Park

		
Type of aerial photograph (2)		
Write the relevant letter		
1x4 =(4)		

(6)

TOTAL = 50 MARKS



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MARKING GUIDE

Question 1

- 1.1.1. B - Contour lines ✓
- 1.1.2. A - 20m ✓
- 1.1.3. C - River valley ✓
- 1.1.4. C - contour interval ✓
- 1.1.5. B - Area is mountainous ✓
- 1.1.6. B - Queens Park ✓

(6)

1.2.

Line symbols	Area symbols	Point symbols
- Power-line	Built-up Area	- Wind-pump
- River	- Cultivated land	- Hotel
- Railway	- Excavation	- Buildings
- Hiking trail	Dam	
- National Route		
- Row of trees	(any 2)	(any 2)
- Other roads (any 2)		

1.3. Wilger river ✓ (1)

1.3.2 For irrigation purpose / farming ✓ (1)

1.4

1.4.1. **A4** ✓ (1)

1.4.2 Contour lines are far apart ✓ (1)

1.5

Stanmorephysics.com

1.5.1. A Wind-pump in C2: **28°17' 31''S** ✓ **29°06' 17'' E** ✓ (2)

1.5.2. The Reservoir at D1: **28°18' 31''S** ✓ **29°05' 27'' E** ✓ (2)

1.6. Calculate the distance in **km** from spot height **173** in block **C4** to trigonometrical beacon **29** in block **C4**. (3)

1.6. FOMULA = 1: 50 000

Distance on map = (2,4 cm – 2.6 cm)

2,4 cm X 0,5 ✓

= 1,2 ✓ KM ✓

(3) (1,2 – 1,3) Answer

1.7.

- **28** = 28° South of equator ✓
- **29** = 29° East of Greenwich meridian ✓
- **A** = A big block ✓
- **C** = A small block of A ✓ (4)



Example

A	B	A	B
A	D	B	D
A	B	A	B
C	D	C	D

1.8. SOUTH WEST ✓ (1)

1.9. a) Yes ✓ (1)

b) There is evidence of power lines at block **A2** ✓

QUESTION 2

Match the contour patterns on the left with the landforms on the right.

ANSWERS

1. B ✓

2. E ✓

3. D ✓

4. C ✓

5. F ✓

6. A ✓

QUESTION 3

3.1. Study the orthophoto below



An Ortho-photo map of an area near Jeffrey's Bay in the Eastern Cape

3.1.1. Contour lines ✓ , trigonometrical beacon ✓ and Spot height ✓ (2) (any 2)

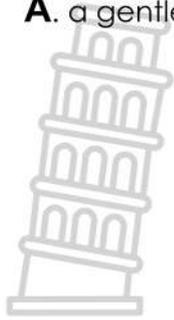
3.1.2. 5 m ✓ (1)

3.1.3. The altitude (height) of the **Dam** pointed with an arrow on the photo is

- ANY HEIGHT BETWEEN **40m AND 55m** ✓ (1)

3.1.2. Identify the following features on the image: put the letters **A** to **D** on the photo. (4)

A. a gentle slope, **B.** a river valley, **C.** a settlement. **D.** Beach.



QUESTION 4

1.12. Study the aerial photographs below and match each photo with a correct letter.

- A. It is difficult to guess the height of building because you cannot see the sides of the buildings very clearly
 B. Some features are blocked out in this photograph because of the angle of the camera.
 C. This photograph was taken with the camera lens in a perpendicular position to the ground
 D. This is the view from the window of an airplane.

	 <p style="text-align: center;">Ellis Park</p>	 <p style="text-align: center;">Ellis Park</p>
Type of aerial photograph (2)	Vertical aerial photograph ✓	Oblique aerial photograph ✓
Write the relevant letter	A ✓	B ✓
	C ✓	D ✓
1x4 =(4)		