

NORMAN HENSILWOOD HIGH SCHOOL EXAMINATIONS



DATE	13 JUNE 2011
GRADE	11
SUBJECT	GEOGRAPHY PAPER II
TIME	1 ½ HOURS
MARKS	100
EXAMINER	D. MILLAR
MODERATOR	J. HOLLAND

NORMAN HENSILWOOD HIGH SCHOOL

DEPARTMENT OF GEOGRAPHY

GRADE 11 JUNE 2011

PAPER II: MAPWORK AND PHOTO INTERPRETATION

EXAMINER: DAVID J. MILLAR

TIME: 1,5 HOURS

MODERATOR: JAWAAD HOLLAND

TOTAL: 100

NAME:

INSTRUCTIONS:

1. In the space above, write your name.
2. Complete the answers on this answer sheet.
3. Make sure you have the following resources sheets:
 - 1:50 000 Topographical Map 3322CD & 3422 AB GEORGE
 - 1:10 000 Orthophoto 3322 CD 24 GEORGE WEST
4. Resources sheets must be returned at the end of the examination.
5. Check the mark allocation of each question and respond accordingly.
6. Remember that this is an examination: use your time carefully and write legibly.

QUESTION 1 : SKETCH MAP SKILLS [13 marks]

Refer to the **SKETCH MAP** (loose sheet that must be returned for marking). To answer the following questions refer to the topographical map and the orthophoto and **complete the answers to the following questions ON the sketch map.**

- 1.1 Indicate the situation of the **George Airport** with the letter **A**. (2)
- 1.2 You are scheduled to play golf with Ernie Els at Fancourt Golf Club. Indicate **Fancourt** with the letter **B**. (2)

- 1.3 Indicate the **Gwaing River** with the letter **C**. (2)
- 1.4 Indicate the **flow of the Gwaing River** with **arrows**. (2)
- 1.5 Indicate **Rooiklip (coast)** with the letter **D**. (2)
- 1.6 **Draw the borders** of the **area covered by the orthophoto**. (3)

QUESTION 2 : CLIMATOLOGY [10 marks]

Study the 1:50 000 map ONLY to answer the following questions

- 2.1 What evidence on the topographical map shows that George receives rainfall throughout the year? (2)

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- 2.2 What is the reason WHY George receives rainfall throughout the year? (2)

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- 2.3 Aeroplanes always land or take off against the wind. If the position of the main runway at George Airport is taken into account, what are the directions of the prevailing winds in George? (NB: Both wind directions must be mentioned in your answer). (2x2=4)

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- 2.4 Calculate the length of the main runway in kilometers. (2)

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QUESTION 3 : GEOMORPHOLOGY [23 marks]

Study the 1:50 000 map ONLY to answer the following questions.

3.1 What agent of erosion is the most probable cause of this undulating landscape on which the urban settlement of George has developed?

..... (1x2=2)

3.2 Heroldsbaai (Herold's Bay) is a beautiful coastal village south of George Airport. Name any TWO geomorphological features of the area that contributed to the development of this town (evidence is on the map)? (2x2=4)

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3.3 Underline the correct answer in brackets:

Scott's Bank and Voëlklip are called (peninsulas/headlands). (1x2=2)

3.4 Quote ONE piece of evidence from the topographical map to show that Herold's Bay is a coastline of emergence. (1x2=2)

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3.5 What is the bearing from the hotel in Heroldsbaai to the cave (34° 01' 10" S 22° 29' 20" E) along the river east of Andersonville?

..... (1x2=2)

3.6 The Skaapkoprivier (Skaapkop River) flows between Pacaltsdorp and Thembaletu (south of George). What geomorphological feature is found along the river's course that proves that the river does not have an equal gradient (evidence is on the map)?

..... (1x2=2)

3.7 You are invited to hike through the picturesque Witfonteinbos (forest) from the Witfontein settlement (270 m) to Power railway station. Calculate the average GRADIENT (as a ratio) of the hike. Use the correct FORMULA and show ALL calculations. (5)

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3.8 How have civil engineers overcome difficulties with the terrain (physical relief features) when building the railway line NORTH from Power railway station? Mention any TWO solutions. (2x2=4)

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QUESTION 4 : SETTLEMENT GEOGRAPHY [32 marks]

Study the George settlement on both the 1:50 000 topographical map and the 1:10 000 orthophoto to answer the following questions.

4.1 Identify the land-use zones at A, B and D and give ONE reason for your answer. (6x2=12)

A: _____
Reason:

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B: _____
Reason:

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D: _____
Reason:

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4.2 Explain why D is situated on the outskirts of the town of George.
(2x2=4)

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4.3 If the prevailing wind direction is taken into account, which TWO suburbs (residential areas) will be subjected to air pollution from the factories at George Industria? (Hint: Question 2.3 may assist)
(2x2=4)

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4.4 Why can Heather Park be regarded as an affluent (upmarket) residential area? Give TWO reasons. (2x2=4)

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4.5 The N 2 highway runs to the south of the town of George. Tabulate TWO ADVANTAGES and TWO DISADVANTAGES of the N 2 to the residents of George. (4X2=8)

ADVANTAGES	DISADVANTAGES
1.	1.
2.	2.

QUESTION 5 : ECONOMIC GEOGRAPHY [12 marks]

Primary economic (farming; forestry) activities are still the basis for the town and surrounding areas' economy.

- 5.1 What is the predominant land-use in the south-western part of the map? (Hint: use the key). (1x2=2)

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- 5.2 Which primary activity is found predominantly in the northern sections of the mapped area? Give ONE piece of evidence from the map to support your answer. (2x2=4)

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- 5.3 Commercial farming takes place on most of the farms on the mapped area. List THREE pieces of evidence from the map to support this statement. (3x2=6)

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QUESTION 6 : GENERAL QUESTIONS [10 marks]

Underline the correct answer

- 6.1 The orthophoto was taken during the (morning; afternoon).
6.2 Thembaletu is a (township; informal settlement).
6.3 The Gwaingrivier enters the sea at the (mouth; source).
6.4 Wave refraction will take place between (Hansiesbank and Voelklip; Voelklip and Scott's Bank).
6.5 The brickworks at Thembaletu are a (secondary; tertiary) economic activity.

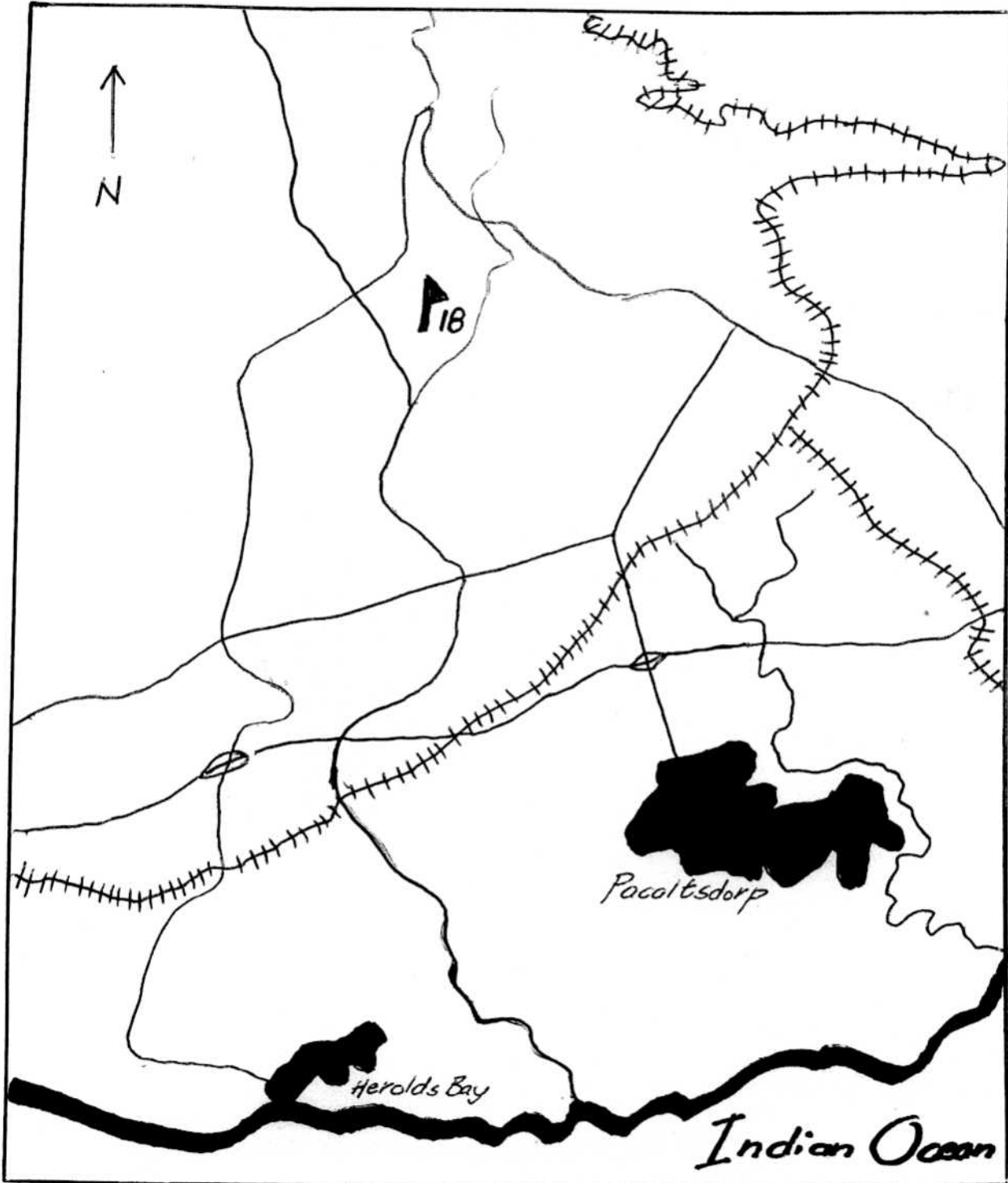
(5x2=10)

[100]

SKETCH MAP

GRADE 11 GEOGRAPHY JUNE EXAMINATION PAPER 2

NAME: _____



0 1 2 3 4 5 km