

TEACHERS WITHOUT BORDERS PROGRAMME

BROUGHT TO YOU BY



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

With grateful thanks to our associate partners, The [National Department of Basic Education](#), The [Independent Examinations Board](#), [Siyavula Education](#), [Smarticks](#), [Noteshare](#), [Lemonlicious](#), [datacentrix](#), and most of all, to the schools and teachers from both the public and private education sectors who as founder contributors, have lent content to the [Teachers without Borders programme](#), for the benefit of all South Africa's learners.

In Bill Gates words, at the Mandela Day 'Living Together' address: "Maintaining the quality of this country's higher education system while expanding access to more students will not be easy. But it's critical to South Africa's future" – working together, we can help achieve this."

Contributing schools to date:

Clifton School	Milnerton High	Rustenburg Girls' High	St Peter's
Durban Girls'	Northwood High	St Anne's DC	St Stithians
Fairmont High	Roedean	St John's DSG	Wynberg Boys' High
Herzlia High	Rondebosch Boys'	St Mary's DSG Kloof	Wynberg Secondary

Name: _____

Form A: _____

Grade 8

GEOGRAPHY

November 2016

Time: 2 hours

Marks: 100

Instructions

- This exam paper consists of 4 questions. You must only answer **THREE** questions.
- Question **1** and **4** are compulsory.
- Start new questions on a new page.
- Number all questions as they are numbered in the question paper.
- You may use a calculator.
- Do not use correction fluid. Rule a line through your mistakes.


Question 1: Mapwork

This question is to be answered **on the question paper**. Detach this page and **staple it to the FRONT** of your script.

Refer to **Figure 1** on **page 3** and answer the questions that follow.

1.1 Is **B** a national park boundary, a provincial boundary or an international boundary? (1)

1.2 What features are represented by these signs/symbols: (3x1=3)

Sign/Symbol	Feature
■ S	
■ P	
	

1.3 From the map give the correct letter for the features listed. (2x1=2)

<u>Feature</u>	<u>Letter</u>
Seasonal lake	
Perennial river	

- 1.4 What is the direction and bearing **from X (C3) to:** (4x2=8)
(NB use the ● as the starting and ending point)

	BEARING	DIRECTION
● Y (D5)		
● Z (A1)		

- 1.5 Write 1:100 000 as a word scale. (1x3=3)

- 1.6 Using the scale **1:250 000**, calculate the distance in km from Z to Y **(NB use the ● as the starting and ending point):** (4x1=4)

- 1.7 Give the co-ordinates (**degrees and minutes**) of the following **(NB use the ●):** (2x4=8)

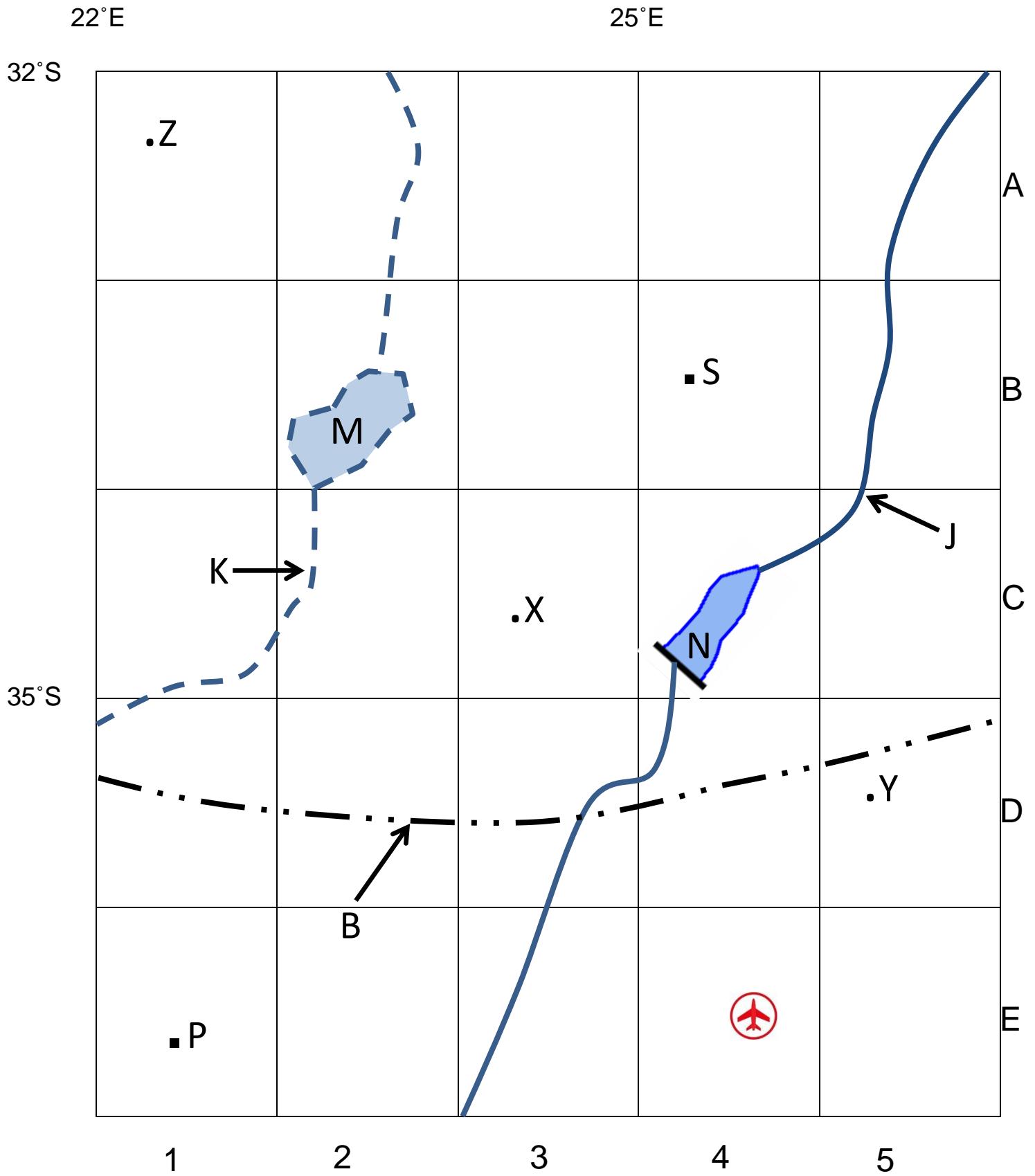
● Z (A1)	
● Y (D5)	

- 1.8 What type of map accurately depicts the physical features and relief of an area? (1)

Total for Question 1 = 30

PLEASE REMOVE AND STAPLE THIS SECTION TO THE FRONT OF YOUR ANSWER SCRIPT.

Figure 1



Scale: 1: 250 000

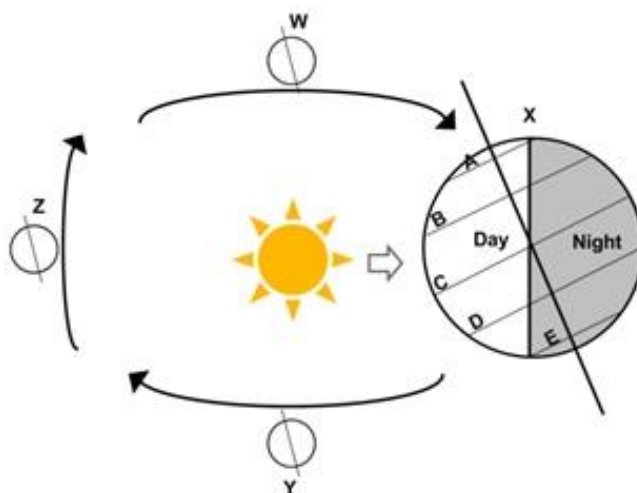
Question 2: Maps, Globes and Climate Regions

2.1 State whether the following statements are **TRUE** or **FALSE**.

- 2.1.1 Lines of latitude are measured from east to west of the equator.
- 2.1.2 When it is 12h00 in South Africa (30°E) it is 14h00 in Japan (140°E).
- 2.1.3 The wettest places on earth are within 25° of the equator.
- 2.1.4 The earth rotates from East to West.
- 2.1.5 North facing slopes are warmer in the southern hemisphere.

(5x1) [5]

2.2 Study the diagram below showing the earth's path and answer the questions that follow.



- 2.2.1 What season is the northern hemisphere experiencing at X? (1)
- 2.2.2 Give ONE reason for your answer to question 2.2.1. (1x1=1)
- 2.2.3 Explain the term equinox. (2x1=2)
- 2.2.4 What date is the spring equinox in the southern hemisphere? (1)
- 2.2.5 Describe THREE reasons why we experience seasons. (3x2=6)
- 2.2.6 What is the name of the path of the earth around the sun? (1)

[12]

2.3 Study the table below and answer the questions that follow.

	LATITUDE	JAN. TEMP.	JULY TEMP.	TEMP. RANGE	DISTANCE FROM THE SEA
MAHIKENG	25°S	30°C	17°C	23°C	780 KM
PORT NOLLOTH	30°S	18°C	12°C	6°C	5 KM
DURBAN	30°S	28°C	21°C	7°C	5 KM
DAKAR	14°N	21°C	27°C	2.3.3	10 KM
NIGER	13°N	31°C	41°C	10°C	2100 KM

- 2.3.1 Why does Mahikeng have a greater temperature range than Durban? (2x1=2)
- 2.3.2 Why are Port Nolloth's temperatures so much lower than Durban's? (2x2=4)
- 2.3.3 What is the temperature range of Dakar? (1x2=2)
- 2.3.4 What is the definition of the temperature range? (2x1=2)

[10]

2.4 Fill in the correct words in the sentences below. Write down the letter then the answer e.g. (d) eclipse:

2.4.1 Climate describes the general(a)..... conditions that a place can expect. It is(b)..... over a(c)..... period of time.

[3]

Total for Question 2 = 30

☞ **NB.** Answer **EITHER** question 2 **OR** question 3

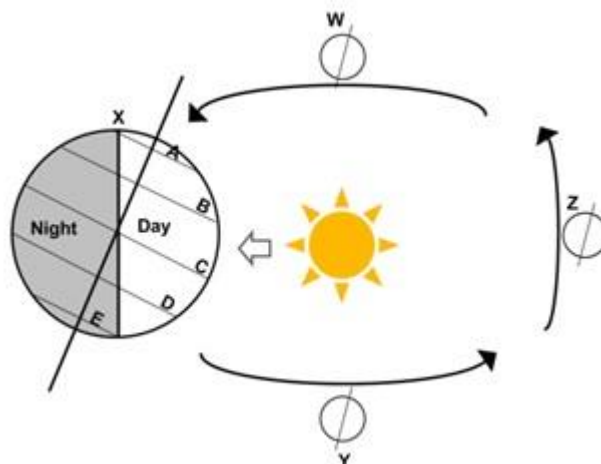
Question 3: Maps, Globes and Climate Regions

3.1 State whether the following statements are **TRUE** or **FALSE**.

- 3.1.1 Temperature decreases with a decrease in latitude.
- 3.1.2 The mean annual temperature is the average maximum and minimum temperatures for every day in the year over a period of many years.
- 3.1.3 Air pressure is measured with an anemometer.
- 3.1.4 Weather is the atmospheric conditions at a particular place and time.
- 3.1.5 If the time is 6pm in Cape Town (30°E) it will be 4pm in London (0°).

(5x1) [5]

3.2 Study the diagram below showing the earth's path and answer the questions that follow.



- 3.2.1 What season is the southern hemisphere experiencing at X? (1)
- 3.2.2 Give TWO reasons for your answer to question 3.2.1. (2x1=2)

- 3.2.3 What is the name of the path of the earth around the sun? (1)
- 3.2.4 Choose the correct letter A, B, C, D or E from the diagram, which best suits the captions below. (4x1=4)
- Tropic of Cancer
 - Equator
 - Arctic Circle
 - Tropic of Capricorn
- 3.2.5 Explain the term solstice? (2x1=2)
- 3.2.6. Give the date of the winter solstice in the southern hemisphere. (1)
- 3.2.7 What is the correct term for when a planet travels once around an object? (1)
- [12]**

- 3.3.1 You and your friends spend the first morning of your Christmas holiday at Clifton 2nd Beach and in the afternoon you decide to have a picnic on top of Lion's Head, which is approximately 700m above sea level. The temperature at Clifton 2nd Beach is 25°C. What is the temperature at the top of Lion's Head?
(Show all calculations) (4)



- 3.3.2 Based on your calculation in 3.3.1; what is the relationship between altitude and temperature? (2)
- [6]**
- 3.4.1 Briefly describe **three** ways that mountains influence temperature. (3x2=6)
- 3.4.2 Give **one** example of a mountain range that **you have learnt about** that influences temperature. (1)
- [7]**

Total for Question 3 = 30

NB. Question 4 is compulsory

Question 4: Settlement, Trade and Transport

- 4.1 Match the term in column A with the best definition in column B. Write down only the question number and appropriate letter. E.g. 4.1.6 H

	COLUMN A		COLUMN B
4.1.1	Rural depopulation	A	Jobs where people work on the land or sea extracting natural resources
4.1.2	Counter-migration	B	A settlement in the countryside far away from a town or city.
4.1.3	Migrate	C	A settlement that is built up.
4.1.4	Primary activities	D	An increase in the proportion of the total population living in urban settlements
4.1.5	Urbanisation	E	Decline in the number of people living in rural areas.
		F	To move away from your home.
		G	Migration from urban areas back to rural areas.

(5x1) **[5]**

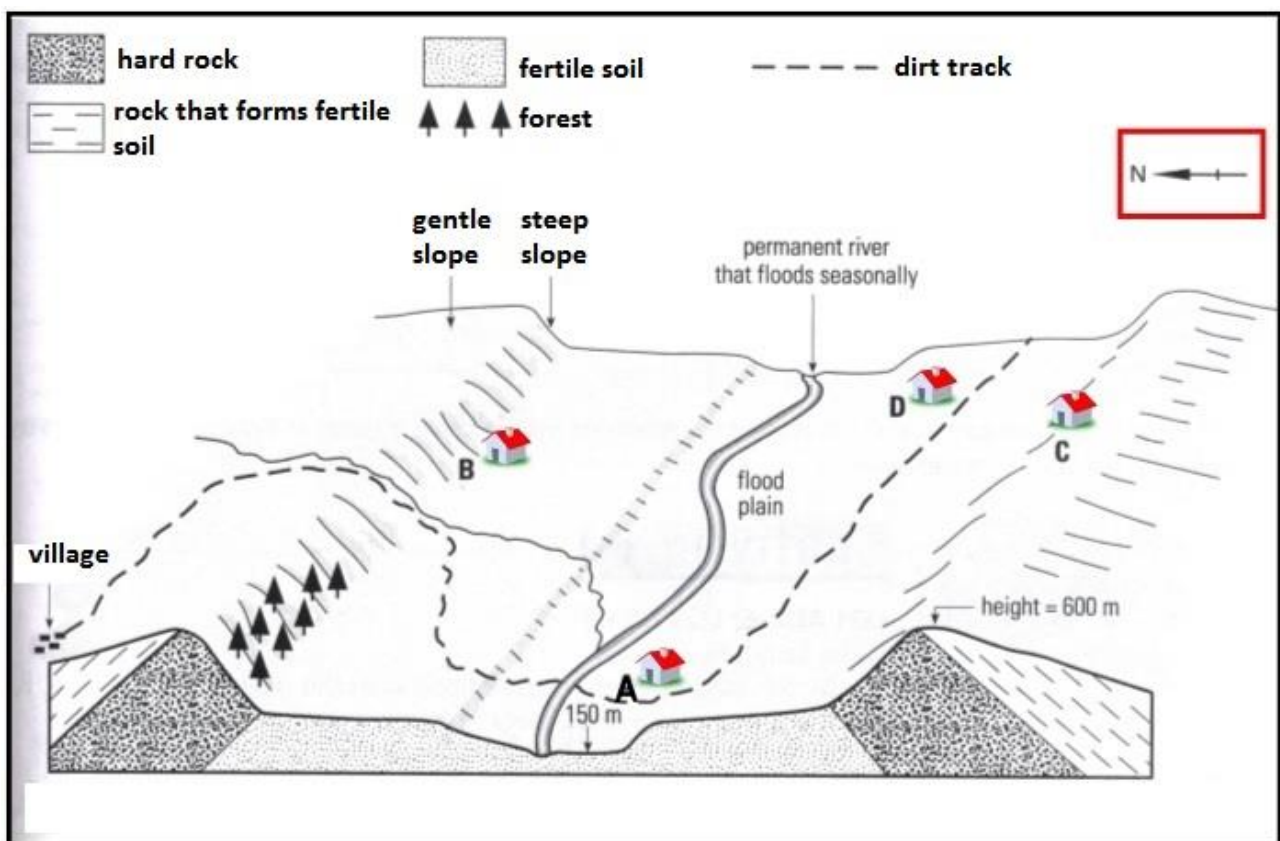
4.2 Refer to the cartoon below that illustrates rural-urban migration and answer the questions that follow:



- 4.2.1 Give two reasons why this family could be **PUSHED** from a rural area to an urban area. (2x1=2)
- 4.2.2 Give two reasons why this family could be **PULLED** to an urban area from a rural area. (2x1=2)
- 4.2.3 Give two possible impacts of rural-urban migration on rural areas? (2x1=2)

[6]

4.3 Refer to the diagram below and answer the questions that follow



- 4.3.1 There are 5 important factors to be considered before people settle at a **site**. List two of them. (2x1=2)
- 4.3.2 You and your family have decided to move away from Cape Town and settle in the rural area shown in the diagram above. You have decided to choose site **D**.
- (a) Considering its **site** and **situation** give **TWO** reasons why your family chose **D**. (2x2=4)
- (b) Considering its **site** and **situation** give **ONE** reason why your family did not choose **A**. (1x2=2)
- (c) Considering its **site** and **situation** give **ONE** reason why your family did not choose **C**. (1x2=2)

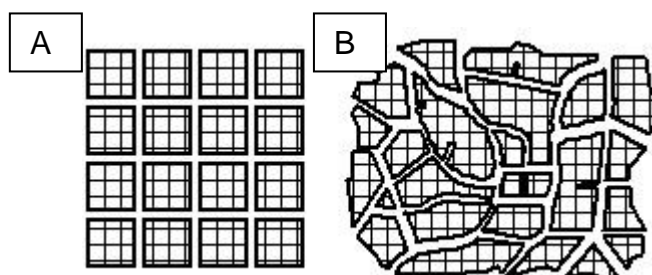
[10]

4.4 Trade is the activity or process of buying, selling or exchanging goods or services. Refer to the figure below and answer the questions that follow.



- 4.4.1 There are FOUR factors one has to consider when transporting goods of which speed and time are examples. Mention TWO other factors. (2x1=2)
- 4.4.2 Choose the best transport type for the following products:
- a. Apples from Ceres to Cape Town (1)
 - b. Cars from Korea to Durban (1)
- 4.4.3 Explain your reason for 4.4.2 a. (1)
- 4.4.4 Explain your reason for 4.4.2 b. (1)
- 4.4.5 Name the international airport at Johannesburg. (1)
- 4.4.6 Name TWO types of private transport. (2x1=2)
- 4.4.7 If you were to transport a load by truck, which national road would you take from:
- a. Cape Town to Gauteng? (1)
 - b. Port Elizabeth to Durban? (1)
- 4.4.8 Give ONE advantage and ONE disadvantage of making use of rail transport. (2x1=2)
- [13]**

4.5 Refer to the diagrams below and answer the questions that follow.



- 4.5.1 Identify the two street patterns labelled A and B. (2)
- 4.5.2 Give one advantage and one disadvantage for each of the street patterns. (2+2=4)

[6]

Total for Question 4 = 40