

Candidate Name	Centre Number	Candidate Number
		4



## Entry Level

782/01

**John Gray High School**

**GEOGRAPHY**

A.M. MONDAY, 10 March 2008

1½ hours

Examiner's Use Only		
<b>A</b>		25
<b>B</b>		15
<b>C</b>		14
<b>D</b>		26
<b>Total</b>		80

### INSTRUCTIONS TO CANDIDATES

Write your name, centre number and candidate number in the spaces at the top of this page.

Answer **all** questions.

If you have difficulty in reading a question, put up your hand and the teacher-in-charge will read it to you.

### INFORMATION FOR CANDIDATES

The number of marks is given in brackets at the end of each question or part-question.

**SECTION A**

*Answer **all** questions in this section.*

**Circle** the correct answer.

1. Which of the following describes an Atlas? [1]
- (a) The globe
  - (b) A wall map
  - (c) The Atlas Mountains
  - (d) A book of maps.
2. The 0° line of latitude is the [1]
- (a) Equator
  - (b) Tropic of Cancer
  - (c) Tropic of Capricorn
  - (d) Greenwich Meridian.
3. The 0° line of longitude is the [1]
- (a) Equator
  - (b) Tropic of Cancer
  - (c) Tropic of Capricorn
  - (d) Greenwich Meridian.
4. Which of the following is not a continent? [1]
- (a) Africa
  - (b) Asia
  - (c) Europe
  - (d) The United States of America.

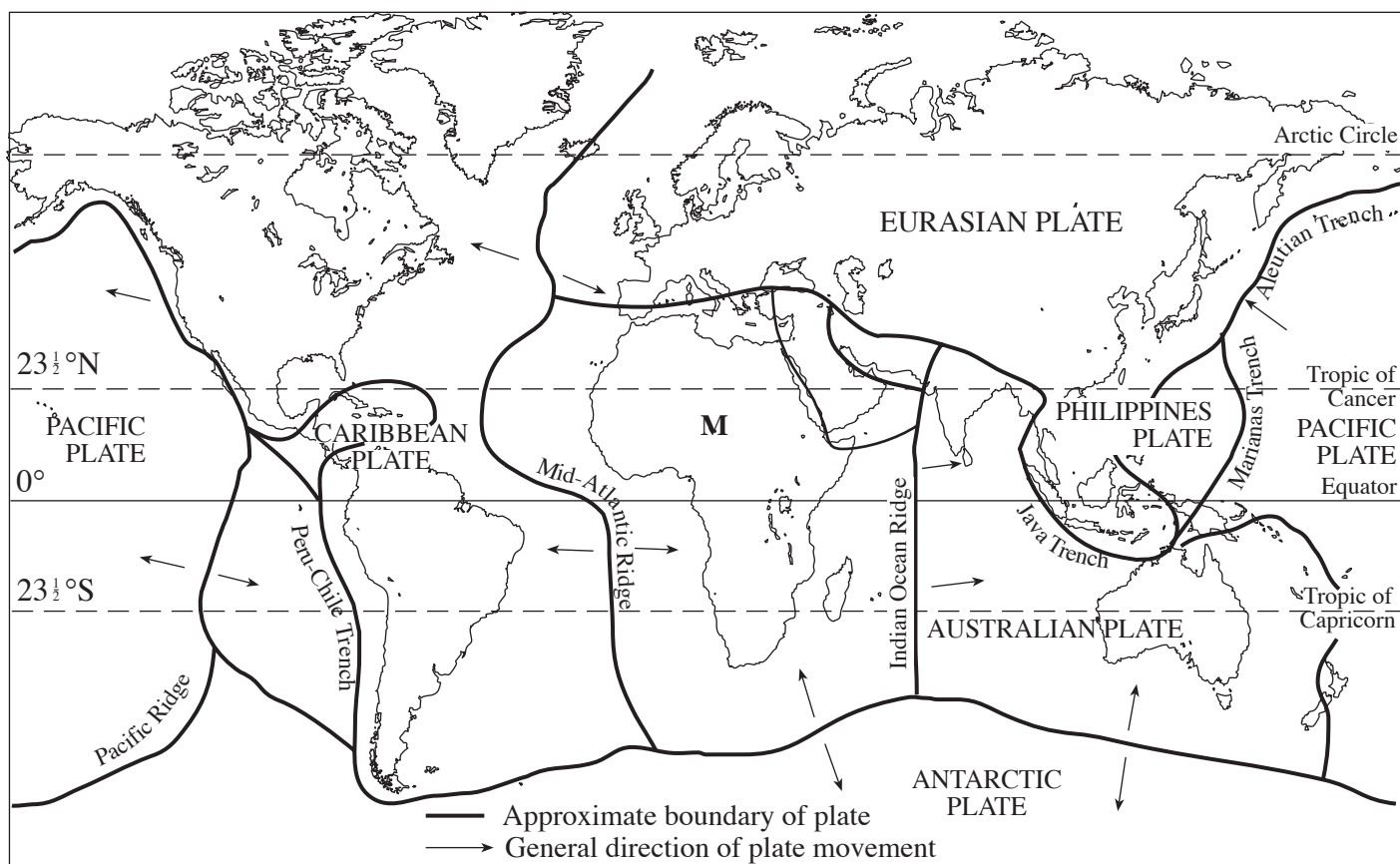
**5.** The Caribbean Sea is found between the continents of

[1]

- (a) North America and South America
- (b) North America and Europe
- (c) South America and Africa
- (d) Africa and Asia.

Study the map showing the plates of the world below. Then answer Questions 6 and 7.

### PLATES OF THE WORLD



6. The plate to the North of the Caribbean Plate is the [1]

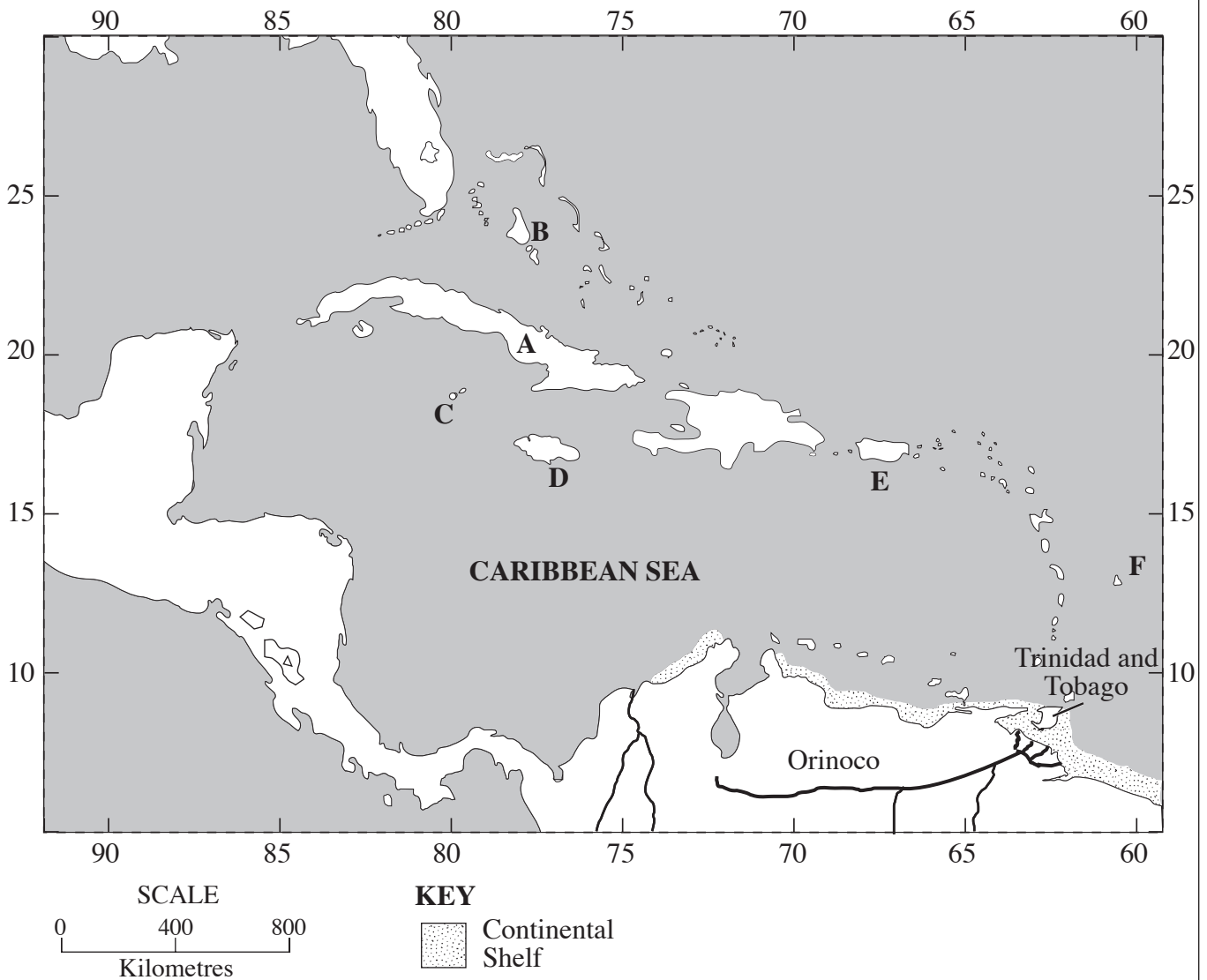
- (a) Cocos Plate
- (b) South American Plate
- (c) African Plate
- (d) North American Plate.

7. Which Plate is labelled M? [1]

- (a) Caribbean Plate
- (b) African Plate
- (c) Cocos Plate
- (d) South American Plate.

- 8.** Which of the following effects of volcanoes is positive? [1]
- (a) adds nutrients to the soil
  - (b) loss of lives
  - (c) loss of property
  - (d) air and water pollution.
- 9.** A settlement that occurs in a line along a road is [1]
- (a) nucleated
  - (b) dispersed
  - (c) linear
  - (d) isolated.
- 10.** Which of the following sectors provide employment for the highest number of Caymanians? [1]
- (a) banking
  - (b) tourism
  - (c) manufacturing
  - (d) agriculture.

Study the map of the Caribbean. Then answer Questions 11-13.



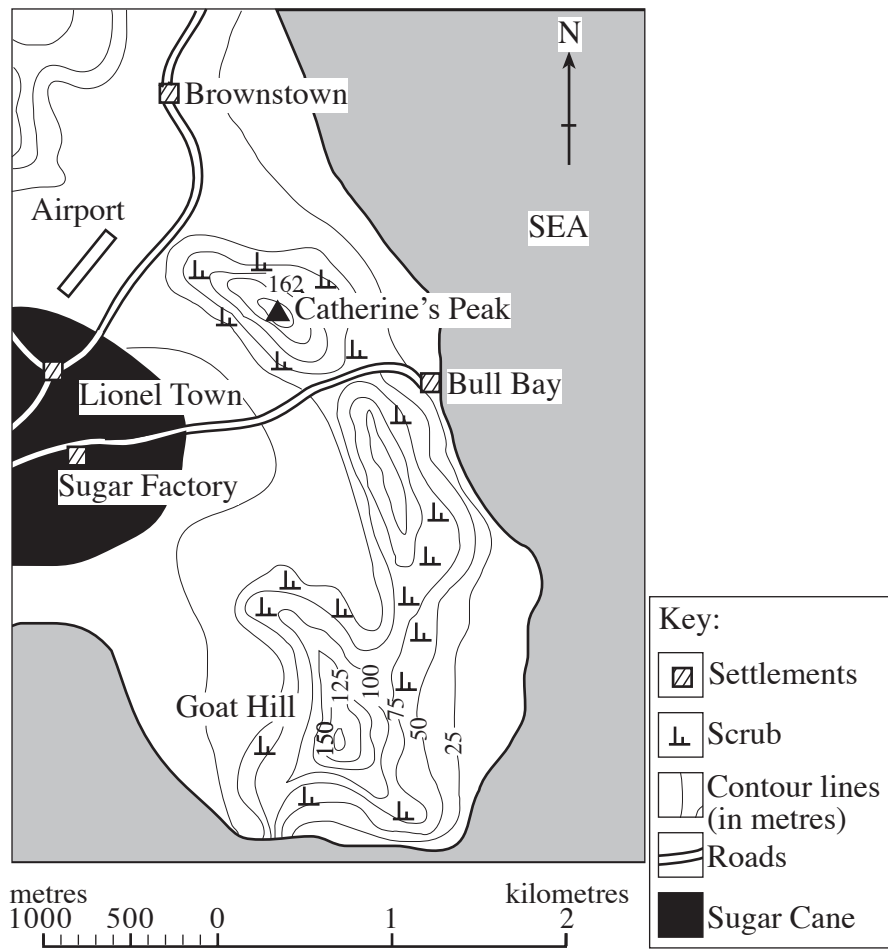
11. The island marked A is

[1]

- (a) Bahamas
- (b) Jamaica
- (c) Cayman Islands
- (d) Cuba.

- 12.** Jamaica lies directly south of [1]
- (a) Cayman Islands
  - (b) Trinidad and Tobago
  - (c) Cuba
  - (d) Puerto Rico.
- 13.** Puerto Rico is represented on the map by letter [1]
- (a) B
  - (b) E
  - (c) D
  - (d) F.

Study the map below. Then answer Questions 14-16.



- 14.** What roughly is the distance in a straight-line from Brownstown to Lionel Town? [1]
- (a) 2.0 kilometers  
 (b) 1.5 kilometers  
 (c) 2.2 kilometers  
 (d) 1.8 kilometers.
- 15.** What is the approximate height above sea level of the top of Goat Hill? [1]
- (a) 150 metres  
 (b) just over 175 metres  
 (c) just under 175 metres  
 (d) 200 metres.



- 16.** What is the contour interval (vertical interval) of the map? [1]
- (a) 50 metres
  - (b) 75 metres
  - (c) 250 metres
  - (d) 25 metres.
- 17.** The Cayman Islands lie between the continents of [1]
- (a) Asia and Australia
  - (b) North America and South America
  - (c) North America and Europe
  - (d) Africa and South America.
- 18.** ‘Plates’ in Plate Tectonics refer to: [1]
- (a) continents with mountains
  - (b) ocean floor boundaries
  - (c) portions of the earth’s crust
  - (d) trench boundaries.
- 19.** Which of the following statements about Plate Tectonics is not true? [1]
- (a) There are three types of plate boundaries
  - (b) Continents and oceans lie on plates
  - (c) There are spaces between the plates
  - (d) Plates are subducted at some boundaries.

- 20.** In the Caribbean region, hurricanes are most likely to occur between the months of [1]
- (a) February and May
  - (b) December and March
  - (c) November and February
  - (d) June and November.
- 21.** How many of these statements about hurricanes are correct? [1]
1. The centre or 'eye' of the hurricane is usually calm.
  2. The course that a hurricane will follow is difficult to predict.
  3. In a hurricane, wind speeds generally exceed 75 knots.
  4. Hurricanes themselves move slowly, and may even remain stationary for a day or more.
- (a) 4
  - (b) 1, 2, and 3 only
  - (c) none
  - (d) 2, 3, and 4 only.
- 22.** The average density of population of a country is worked out by: [1]
- (a) multiplying its population by its area
  - (b) dividing its population by its area
  - (c) adding its population to its area
  - (d) dividing its area by its population.
- 23.** The population of the Cayman Islands has grown rapidly in recent years because there is [1]
- (a) a high death rate
  - (b) a high natural increase
  - (c) a high population density
  - (d) high employment in the islands.

24. People whose job it is to measure, record and forecast the weather of the Cayman Islands are known as: [1]

- (a) Climatologists
- (b) Geologists
- (c) Meteorologists
- (d) Penologists.

25. All of the following are examples of recreational activities **except** [1]

- (a) swimming
- (b) horse back riding
- (c) fishing
- (d) banking.

**Total for Section A = 25**

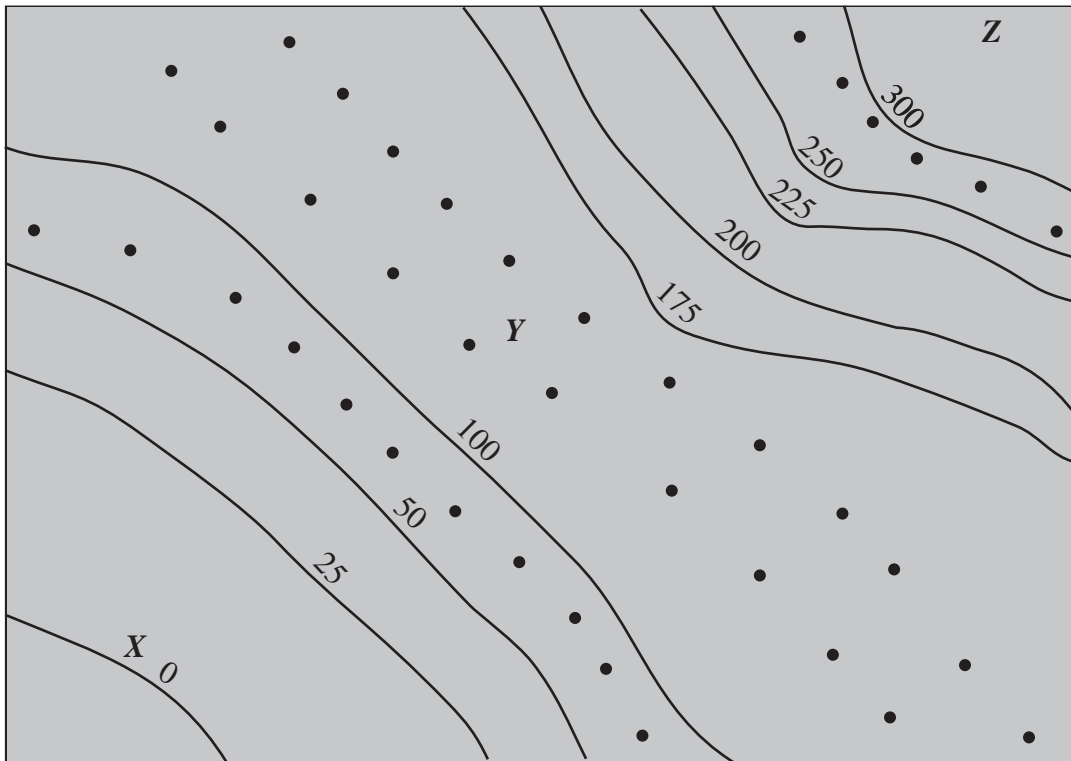
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**Turn over for  
Section B.**

**SECTION B**

Answer **all** questions in this section.

Study the map below. Then answer Questions 1-6.



1. State the V.I. (Vertical Interval) of the map ..... [1]
  
2. Four of the contour lines are shown by dots. Join each set to form a contour line.  
Write in its height. .... [1]
  
3. State the height of the highest contour line. .... [1]
  
4. Write in the word **sea** in its correct location. [1]

5. If a man stands at **X** and looks at **Y**, would he be looking uphill or down hill? [1]

.....

6. (i) Which is steeper **X** to **Y** or **Y** to **Z**? ..... [1]

(ii) Explain your answer. ....

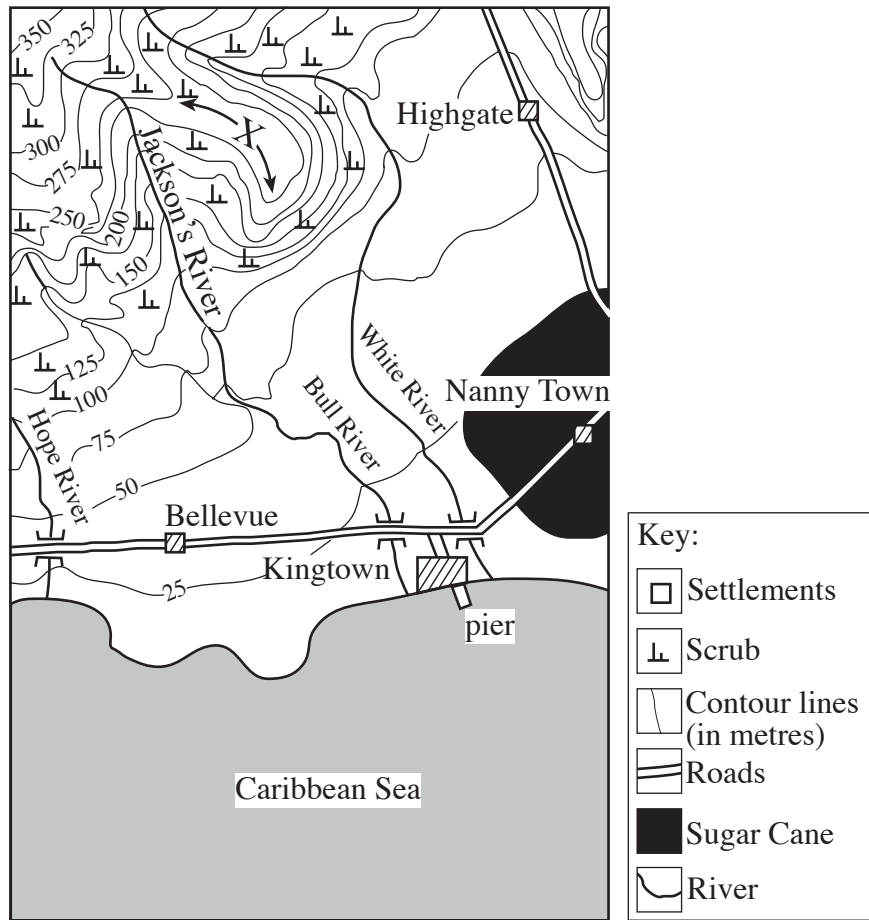
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.....

.....

[2]

Study the map below. Then answer Questions 7-10.



7. In roughly which direction would you travel if you went in a straight line from Nanny Town to Kingtown? [1]

.....

8. What body of water lies to the south of Kingtown? [1]

.....

9. What is the contour interval (vertical interval) of the map? [1]

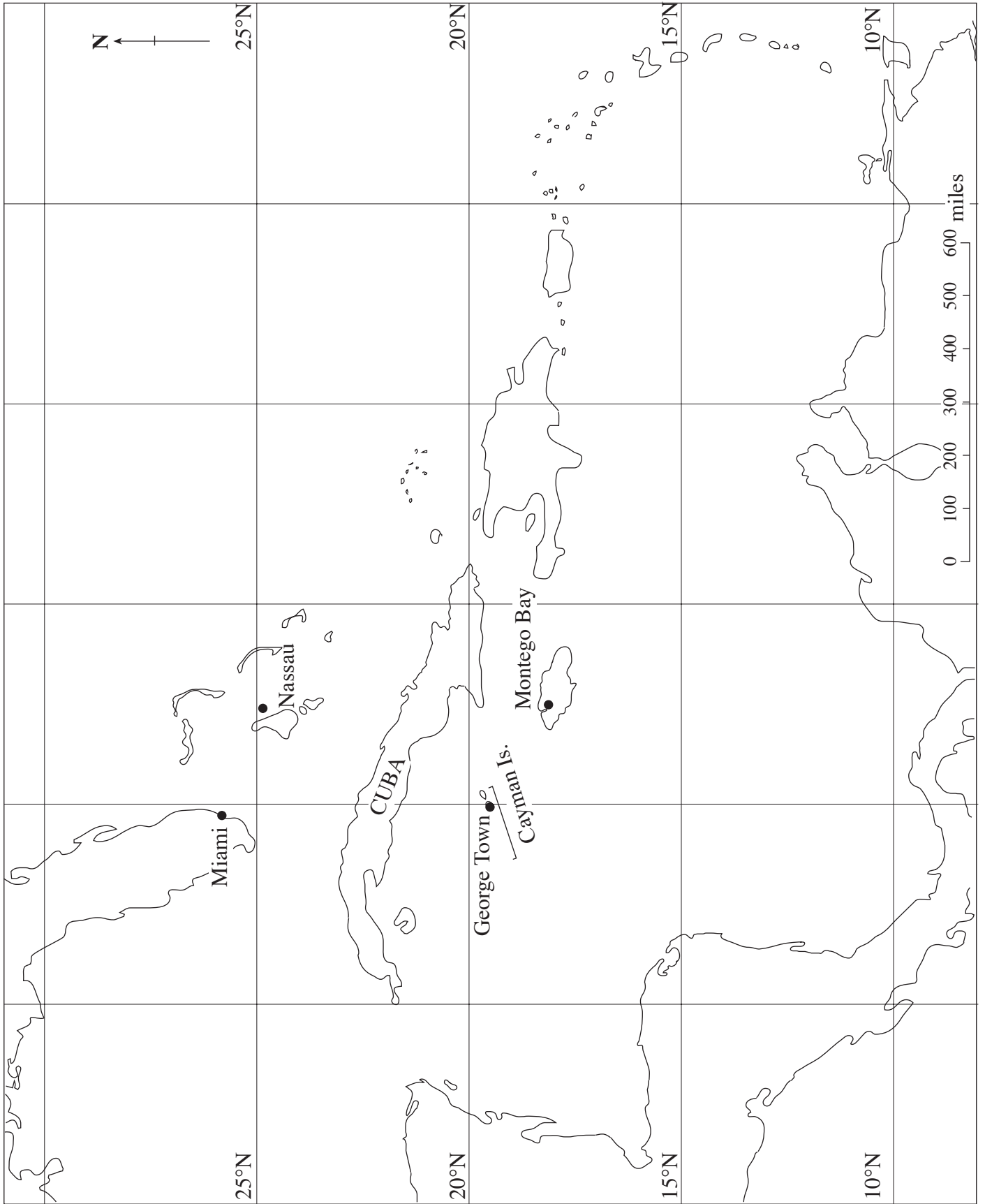
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10. What does the symbol ⊥ represent on the map? [1]

.....

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MAP OF THE CARIBBEAN





**Study the map of the Caribbean. Then answer Questions 11 - 13.**

**11.** In which direction would you fly if you left Montego Bay bound for Nassau? [1]

.....

**12.** The distance between Nassau and Miami is approximately ..... miles. [1]

**13.** The distance between George Town and Miami is approximately ..... miles. [1]

**Total for Section B = 15**

15

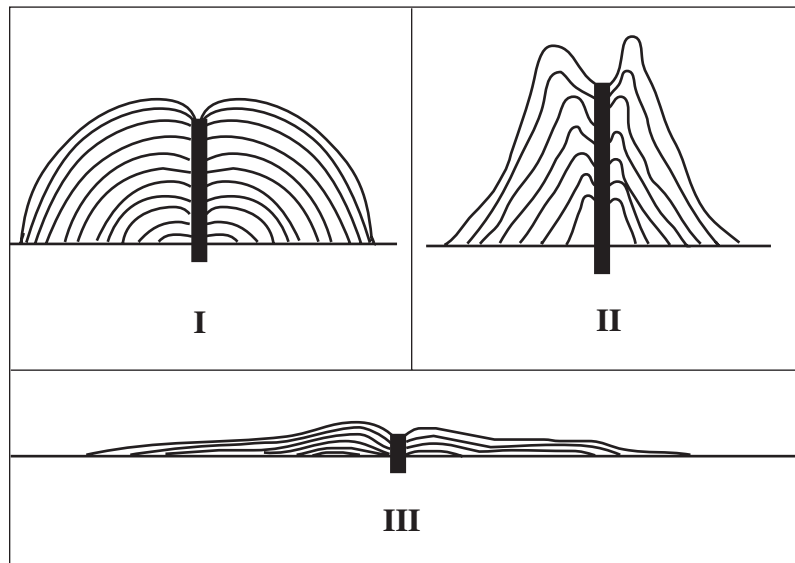
**Turn over for  
Section C.**

**SECTION C**

*Answer all questions in this section.*

**Study the diagram below. Then answer Questions 1 - 3.**

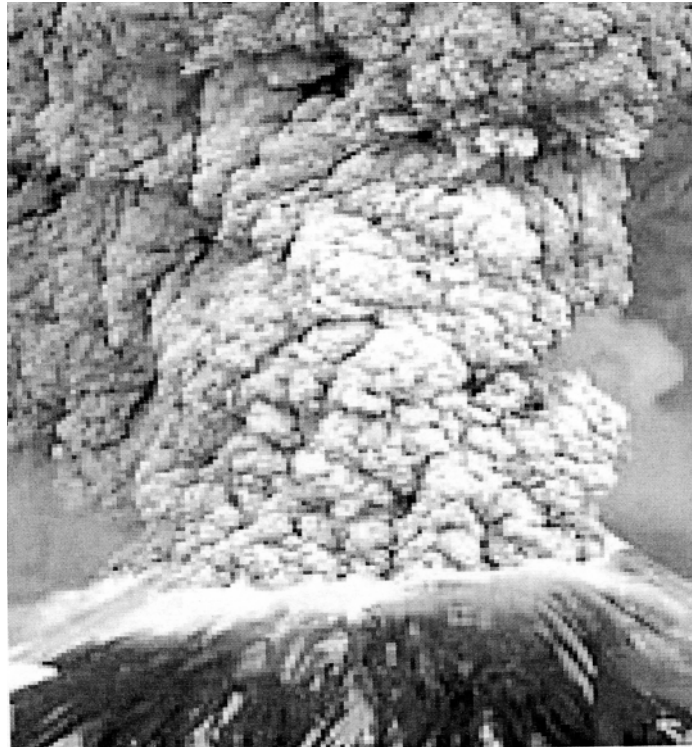
**Types of Volcanoes**



1. Name the **three (3)** types of volcanoes marked at: [3]
  - I. ....
  - II. ....
  - III. ....
  
2. Which volcano has the steepest slope? ..... [1]
  
3. Which volcano has the gentlest slope? ..... [1]

Study the picture below, which shows a volcanic eruption. Then answer Questions 4 - 6.

**PICTURE OF VOLCANIC ERUPTION**



4. Write **one (1)** negative/bad thing that may happen to an island if a volcano erupts. [1]

.....

5. Write **one (1)** good thing that may result from a volcanic eruption. [1]

.....

6. Write **one (1)** precaution to be taken in the event of a volcanic eruption. [1]

.....

7. Using the chart below, describe how Hurricane Ivan affected the economy, the society and the environment of the Cayman Islands after it made landfall in September 2004.  
**The first one has been done for you in each column.** [6]

ECONOMY	SOCIETY	ENVIRONMENT
a. Lots of money lost from businesses that were destroyed.	a. People were left homeless.	a. Many species of trees were destroyed.
b.	b.	b.
c.	c.	c.

**Total for Section C = 14**

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**SECTION D***Answer all questions in this section.*

1. (a) The term *population density* means [2]

.....

.....

- (b) State **two (2)** factors that determine population density. [2]

1. ....
2. ....

**Study Table 1 below and then answer Questions 2 (i) - (iii).**

**Table 1 Population and Population Density (1980 Census)**

Country	Population	Area (km <sup>2</sup> )	Average density (per km <sup>2</sup> )
Antigua and Barbuda	75 000*	440	170
Bahamas	210 000	13 935	
Barbados	254 000	430	591
Belize	145 000	22 963	6
Dominica	74 000*	751	99
Grenada	98 000*	344	285
Guyana	884 000	215 000	4
Jamaica	2192 000*	10 992	
Montserrat	12 000	104	115
St. Kitts-Nevis	44 000	269	164
St. Lucia	116 000	616	188
St. Vincent	99 000	389	254
Trinidad/Tobago	1067 000	5 128	208

*Source: FAO Production Year Book Vol. 34 \* 1970 Census*

2. (i) Which country has the highest population? [1]

.....

(ii) Name the country that has the lowest population? [1]

.....

(iii) Calculate the population density of

Jamaica ..... per km<sup>2</sup> [1]

Bahamas ..... per km<sup>2</sup> [1]

3. Explain the following terms: [4]

(i) Death Rate .....

.....

(ii) Life Expectancy .....

.....

(iii) Unemployment .....

.....

(iv) Underemployment .....

.....

4. Study the information in Table 2 below. Then answer Questions (i) - (iii).

**Table 2 Population and Life Expectancy**

Country	Population 1995 (000)	Life Expectancy (yrs)
Antigua	65	74
St. Lucia	148	71
Jamaica	2 547	74
Bahamas	65	73

*Source: Wilson: Caribbean Environment for CXC Geography, pp 234*

- (i) Name the country with the lowest life expectancy. [1]

.....

- (ii) What is the life expectancy of the Bahamas? [1]

.....

- (iii) Which country has the largest population yet the highest life expectancy? [1]

.....

5. List **three (3)** negative impacts of population growth on the Cayman Islands. [3]

1. ....

2. ....

3. ....

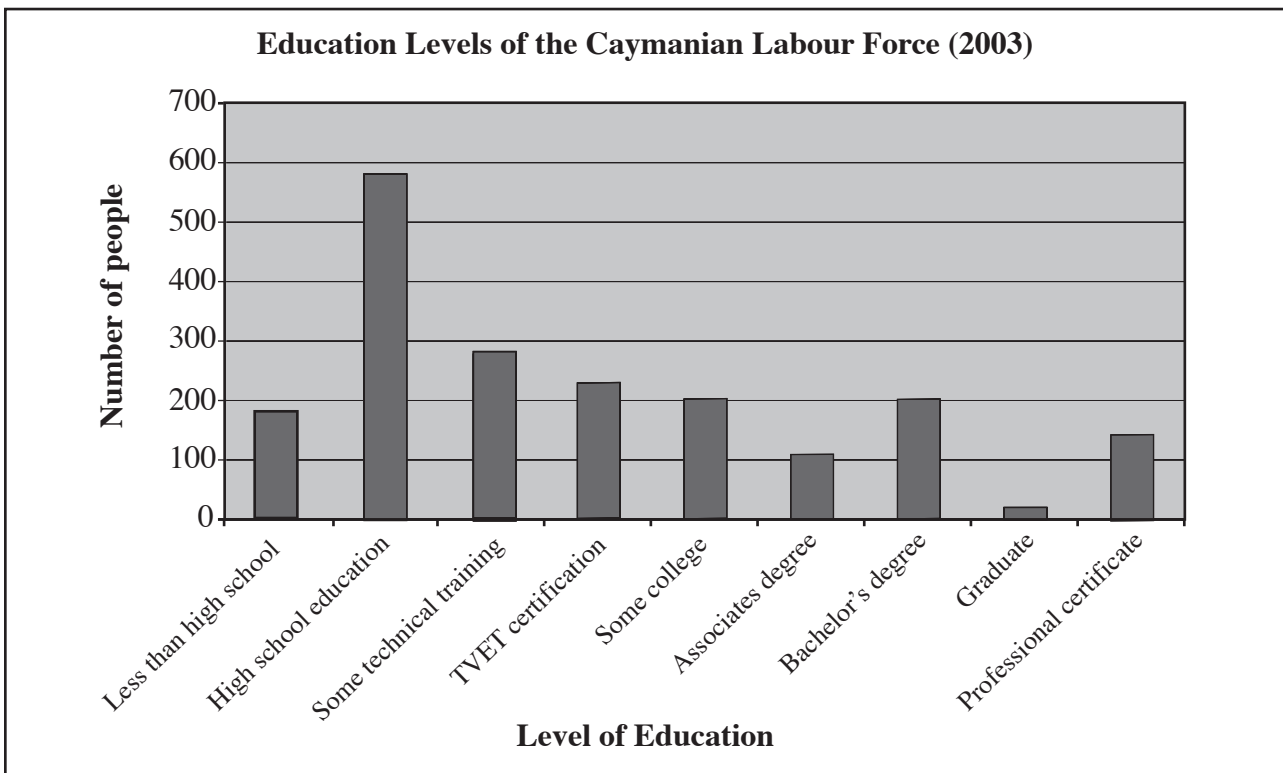


6. Complete the table below by filling in the blanks.

[3]

EMPLOYMENT ACTIVITY in the Cayman Islands.	TYPE OF WORKER (Primary, Secondary or Tertiary)
Tortuga Rum Company and Stingray Brewery.	(a)
Tourism, banking and government.	(b)
Farming and fishing.	(c)

7. Study the results of the educational levels of the Caymanian Labour Force (2003). Then answer Questions (a) and (b).



(a) How many people surveyed had a high school education?

[1]

.....

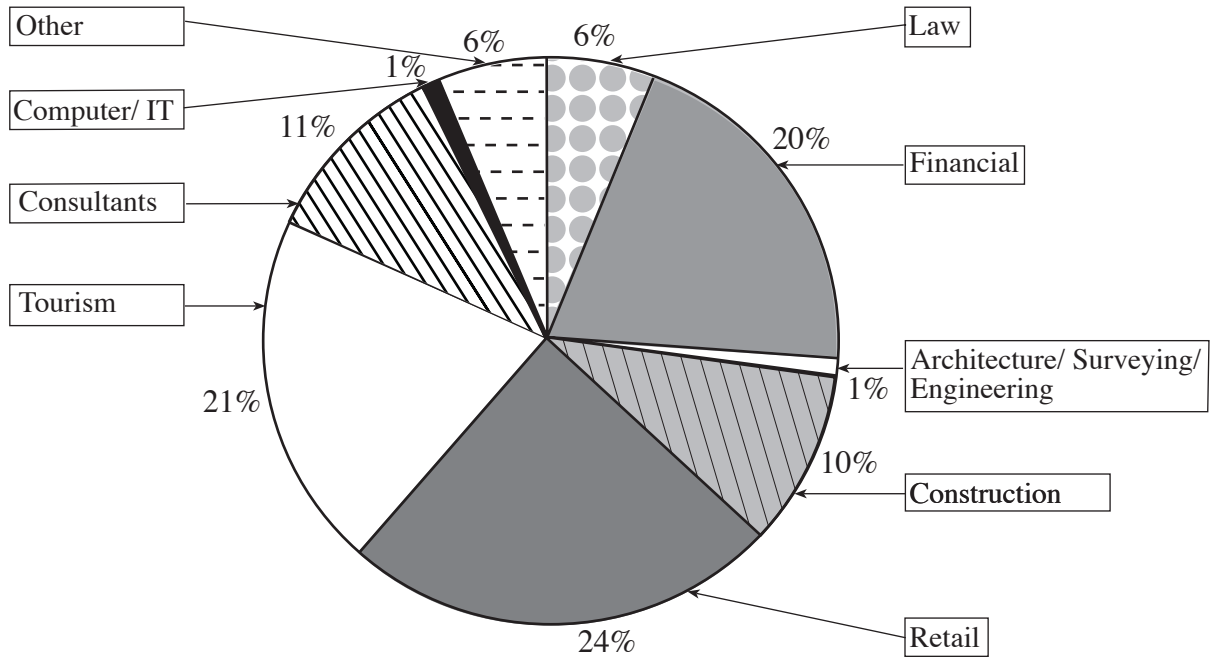
(b) What was the number of people surveyed that had obtained a Bachelor's degree at the time of the survey?

[1]

.....

8. Study the pie chart below. Then answer Questions (a) - (c).

Percentage breakdown of Caymanians in the Workforce



The Department of Employment Relations Cayman Islands Workforce. Skills Assesment Survey (2003).

(a) In which employment activity are most Caymanians working? [1]

.....

(b) What percentage (%) of Caymanians work in the tourism sector? [1]

.....

(c) What was the source of information for the pie chart? [1]

.....

**Total for Section D = 26**

**TOTAL = 80 MARKS. END OF EXAMINATION**