FORM TP 2013081

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C A R I B B E A N E X A M I N A T I O N S C O U N C I L

CARIBBEAN SECONDARY EDUCATION CERTIFICATE® EXAMINATION

GEOGRAPHY

Paper 032 – General Proficiency

1 hour 45 minutes

READ THE FOLLOWING INSTRUCTIONS CAREFULLY.

1. This paper consists of **SIX** questions.
2. Answer **ALL** questions.
3. Write your answers in the spaces provided in the booklet.
4. You may use a silent, non-programmable calculator.
5. You may use geometrical instruments.
6. You are advised to take some time to read through the paper and plan your answers.

DO NOT TURN THIS PAGE UNTIL YOU ARE TOLD TO DO SO.

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Answer ALL questions.

You are advised to spend no more than 15 minutes on Question 1.

1. A map of Nevis (scale of 1:25,000) is provided as an insert for use in this question.

Imagine you are preparing to study areas of cultivation and forest on the west slopes of Nevis Peak. With reference to the map, complete the TWO sketch maps as indicated below.

(a) Figure 1 shows an outline of Nevis and the parish boundaries and an area of forest.

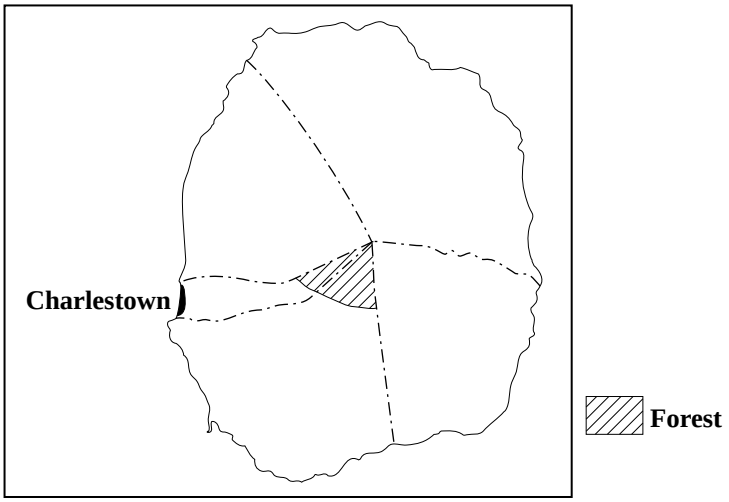


Figure 1. Position of Forest in St. Paul – Charlestown and St. John Figtree

On this map, show the position of Nevis Peak. **(1 mark)**

(b) Figure 2 shows part of the map of Nevis between Eastings 35 and 37 and Northings 95 and 97 at the same scale as the map of Nevis. The 500, 1500 and 2000 foot contour lines are shown.

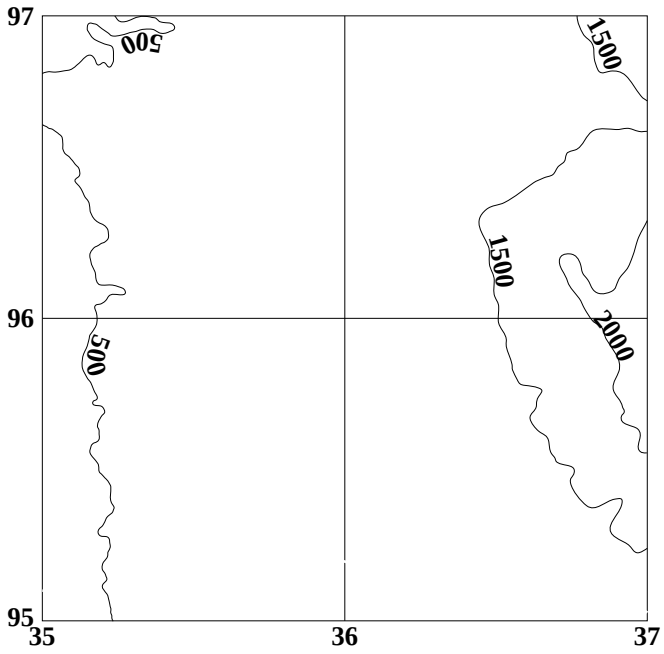


Figure 2. Map of South East St Thomas Lowland

Complete the sketch map in Figure 2 by adding the following:

(i) the 1000 foot contour line **(1 mark)**

(ii) the parish boundary between the parishes of St Thomas Lowland and St Paul-Charlestown **(1 mark)**

(iii) the area of cultivation in squares 3595 and 3695. **(1 mark)**

2. It has been suggested that, at present, most of the tourists coming to Nevis are persons from the Caribbean interested in the rainforest, reefs and ruins and that the beaches are a minor attraction. You are to conduct research to find out if this suggestion is correct.

Form a question or state a hypothesis to guide the collection of data in the field. (This will be the "purpose" or "aim" of your research.)

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(2 marks)

3. (a) For the research in Question 2, list SIX variables on which you would collect information from the tourists.

_____

_____

_____

(6 marks)

(b) Describe **how** and **when** you would conduct the research.

How: _____

_____

_____

_____

(3 marks)

When: _____

_____

_____

_____

(2 marks)

(c) (i) Identify ONE problem **(other than the weather, illness and injury)** that you may encounter in conducting the research in 3 (b) above.

_____

_____

_____

_____

(1 mark)

(ii) State how you would overcome the problem that you identified in (c) (i) above.

_____

_____

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_____

(2 marks)

4. The climate of Nevis influences its agriculture.

(a) Table 1 shows the average high and low temperatures in Charlestown.

TABLE 1: AVERAGE HIGH AND LOW TEMPERATURES IN CHARLESTOWN

°C	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
High	28	27.5	29	29.5	30	30	30	30.5	30.5	30	29	28
Low	23	22	23	24	25.5	25.5	25.5	25.5	25	24.5	23	23

Using the data in Table 1 above, plot a line graph to show the low temperatures on the graph provided below as Figure 3.

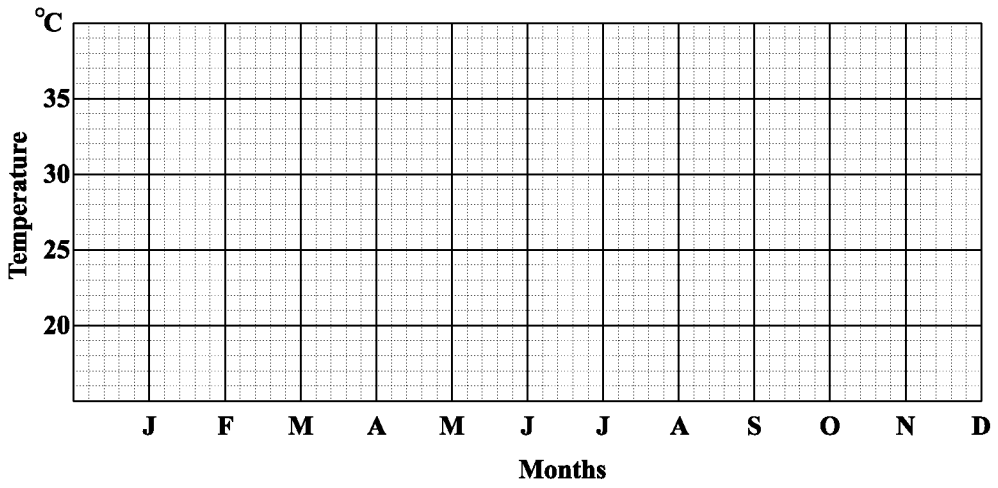


Figure 3. Low Temperature Graph for Charlestown

(3 marks)

(b) Study Table 1 on page 6, and show how TWO features of the temperature may make the climate suitable for agriculture.

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(6 marks)

5. Imagine you are studying the micro-climate in an area in eastern Nevis and have recorded the rainfall during February in one year as shown in Table 2 below.

TABLE 2: MILLIMETRES OF RAINFALL IN FEBRUARY IN STUDY AREA

1st	3 mm	8th	4 mm	15th	5 mm	22nd	3 mm
2nd	0 mm	9th	3 mm	16th	0 mm	23rd	0 mm
3rd	0 mm	10th	0 mm	17th	6 mm	24th	4.5 mm
4th	3 mm	11th	3 mm	18th	0 mm	25th	0 mm
5th	0 mm	12th	0 mm	19th	4 mm	26th	0 mm
6th	8 mm	13th	4 mm	20th	4 mm	27th	0 mm
7th	4 mm	14th	0 mm	21st	6 mm	28th	6 mm

(a) Name the instrument used to collect rainfall data shown in Table 2.

_____

(1 mark)

(b) Using the grid below, construct a bar graph to show rainfall for the last week of February.

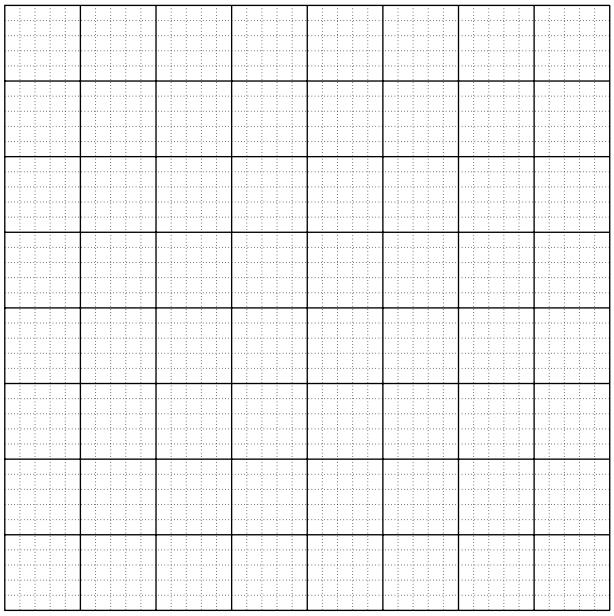


Figure 4. Rainfall in Last Week of February

(3 marks)

(c) The data provided in Table 2 are above the average rainfall of 47 mm for February in all of Nevis. Suggest SIX reasons for this.

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(6 marks)

6. Four of the five elements of a book which are given in a bibliography are listed below:

- The name of the author
- Name of publisher
- Title of the book
- Year of publication

What is the fifth element that should be stated in a bibliography?

_____

_____

(1 mark)

Total 40 marks

END OF TEST

IF YOU FINISH BEFORE TIME IS CALLED, CHECK YOUR WORK ON THIS TEST.