**FORM TP 2014078**

TEST CODE **01225032**

MAY/JUNE 2014

**CARIBBEAN EXAMINATIONS COUNCIL**

# 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 this booklet.
4. You may use a silent, non-programmable calculator to answer items.
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.**

Copyright © 2011 Caribbean Examinations Council
All rights reserved.

**NOTHING HAS BEEN OMITTED.**

**Answer ALL questions.**

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

**1. A map of Speightstown, Barbados (scale of 1:10,000; the northwestern section of Barbados Sheet 3) is provided as an insert for use in this question.**

Figure 1 shows part of the map of Speightstown between Eastings 20 and 22 and Northings 82 and 84 **at half the scale**. The coastline and two water courses are shown.

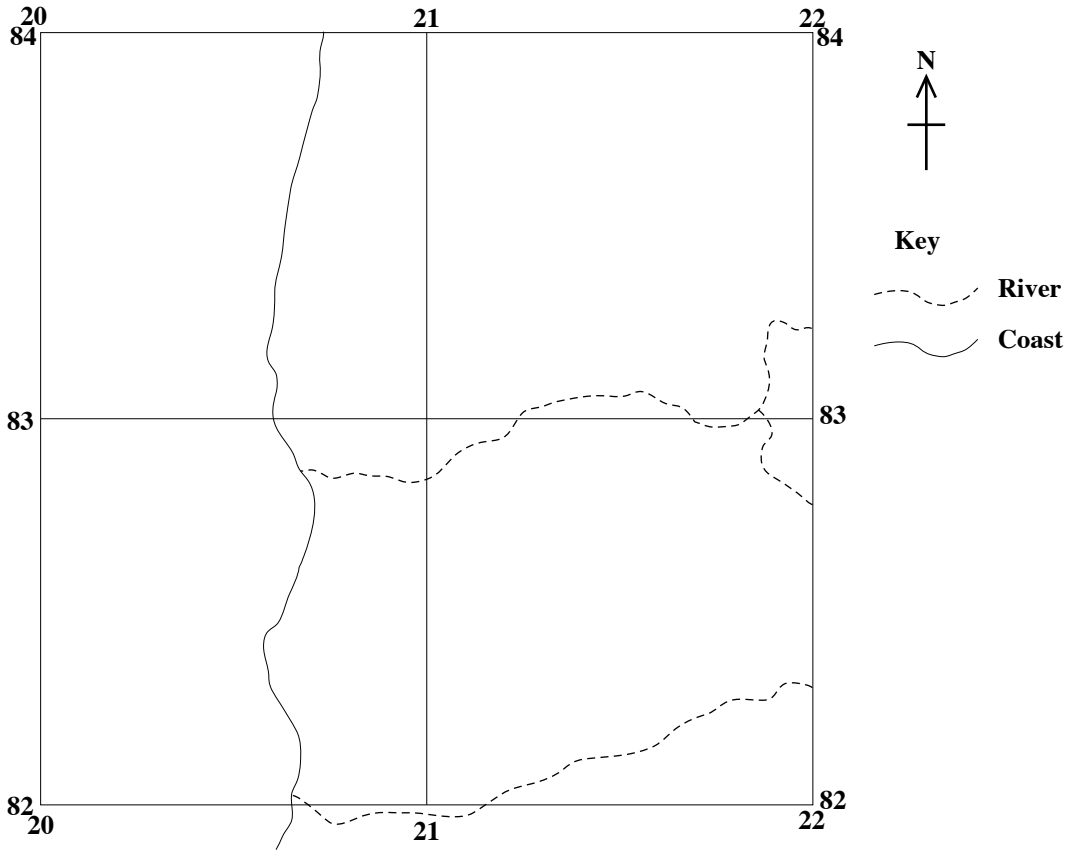



**Figure 1. Part of the map of Speightstown**

Complete the sketch map in Figure 1 by adding the following:

(i) Heywoods Beach

(ii) the 10 metre contour line

(iii) Speightstown

(iv) the scale line for 1 km **(4 marks)**

**2.** It has been suggested that wave action and the beach profile/cross section (including texture) varies during the year with marked differences between the profile before the hurricane season and the profile during the season.

You are to undertake a study to find out if this suggestion is correct.

Formulate 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.

_____

_____

_____

**(2 marks)**

**3.** (a) For the study in Question 2, list SIX items on your data sheet about which you would record information.

(i) _____

(ii) _____

(iii) _____

(iv) _____

(v) _____

(vi) _____

**(6 marks)**

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

**How:** _____

_____

_____

_____

**(3 marks)**

**When:** _____

_____

_____

_____

**(2 marks)**

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

_____

_____

_____

**(1 mark)**

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

_____

_____

_____

**(2 marks)**

**4.** You are studying changes in the citrus industry in a Caribbean country over the last fifteen years.

(a) Table 1 shows the amount of citrus exported in 1999.

**TABLE 1: CITRUS EXPORTS FROM COUNTRY X, 1999**

| | |
|---|---|
| Grapefruits | 21 000 tons |
| Lemons and Limes | 1 000 tons |
| Oranges | 2 000 tons |

Using a pie chart, present the data in the space provided below. Add a title for the diagram.

Title: _____

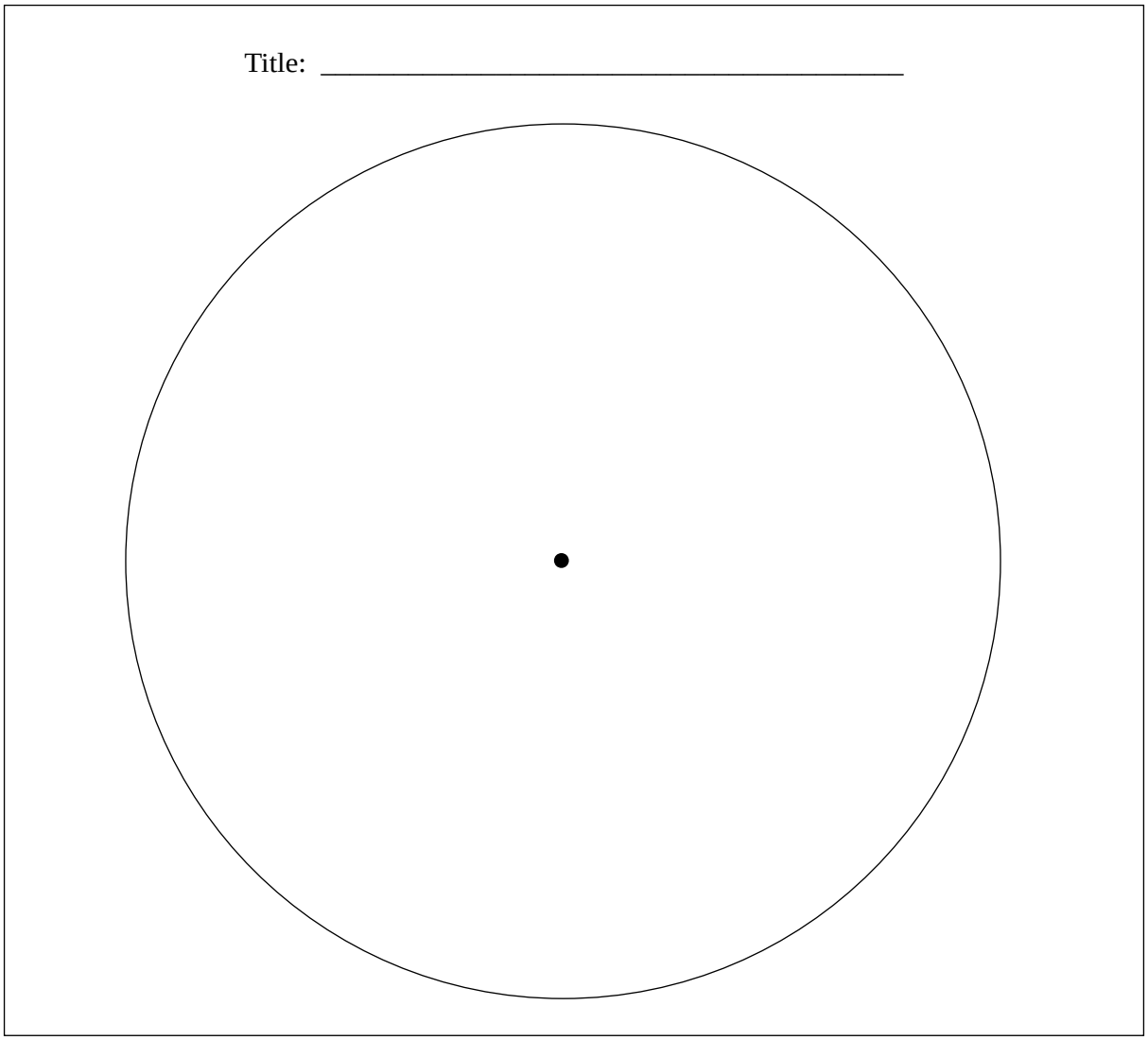


**Figure 2.**

**(3 marks)**

(b) Table 2 summarizes the data collected from large and small farms in Country X.

**TABLE 2: FACTORS AFFECTING CITRUS PRODUCTION IN COUNTRY X**

| Factors | Percentage of Small Farms Affected | |
|---|---|---|
| | Large | Small |
| Hurricanes | 95 | 70 |
| Droughts | 35 | 65 |
| Pests and Diseases | 75 | 45 |
| Decline in Demand | 100 | 85 |
| Labour Shortage | 65 | 0 |

Write an analysis of the data presented in the table.

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

**(6 marks)**

**5.** Imagine you are studying the wind direction in Barbados as part of your research on the beach profiles. You recorded the wind in January as shown in Table 3 below.

**TABLE 3: WIND DIRECTION IN JANUARY IN STUDY AREA**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1st | E | 8th | E | 15th | NE | 22nd | NE |
| 2nd | E | 9th | SE | 16th | E | 23rd | E |
| 3rd | NE | 10th | SE | 17th | E | 24th | E |
| 4th | NE | 11th | E | 18th | SE | 25th | NE |
| 5th | NE | 12th | NE | 19th | E | 26th | E |
| 6th | E | 13th | NE | 20th | NE | 27th | SE |
| 7th | NE | 14th | NE | 21st | NE | 28th | SE |
| 29th | NE | | | | | | |
| 30th | NE | | | | | | |
| 31st | NE | | | | | | |

(a) State how you would collect the wind data shown in Table 3.

_____

_____

_____

**(1 mark)**

(b) Construct a bar graph to show the data in Table 3 using the graph paper below.

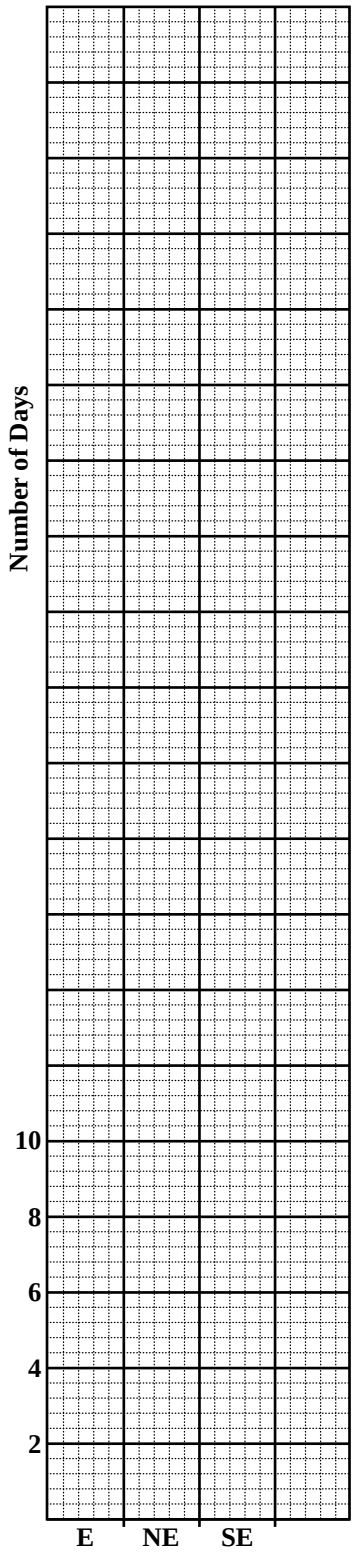



**Figure 3.**

**Title:** _____

**(3 marks)**

GO ON TO THE NEXT PAGE

(c) Outline SIX points which summarize the data in Table 3.

_____

_____

_____

_____

_____

_____

**(6 marks)**

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

- Name of author
- Name of publisher
- Title of book
- Year of publication

What is the fifth element?

_____

**(1 mark)**

**Total 40 marks**

**END OF TEST**

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