TEST CODE **01225032**

FORM TP 2008083

MAY/JUNE 2008

CARIBBEAN EXAMINATIONS COUNCIL

SECONDARY EDUCATION CERTIFICATE EXAMINATION

GEOGRAPHY

Paper 03/2 – General Proficiency

1 1/2 hours

Answer ALL the questions.

In addition to the 1 1/2 hours, candidates are advised to spend 15 minutes reading through this paper and planning their responses. Writing MAY begin during this time.

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. The use of geometrical instruments is permitted.
5. The use of non-programmable calculators is permitted.

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

Copyright © 2007 Caribbean Examinations Council ®.
All rights reserved.

Answer ALL questions.

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

A map extract of Port Antonio, Jamaica, at a scale of 1:50 000 is provided as an insert for Questions 1 and 2.

1. Use the grid provided in Figure 1 to draw a sketch map showing Port Antonio at the same scale. The area is bordered by Eastings 06 and 11 and Northings 66 and 71.

On the sketch map, insert

(i) the coastline

(ii) the Class B road

(iii) the East Town River

(iv) the West Town River and

(v) shade the built-up area of Port Antonio. **(4 marks)**

Grid for Question 1

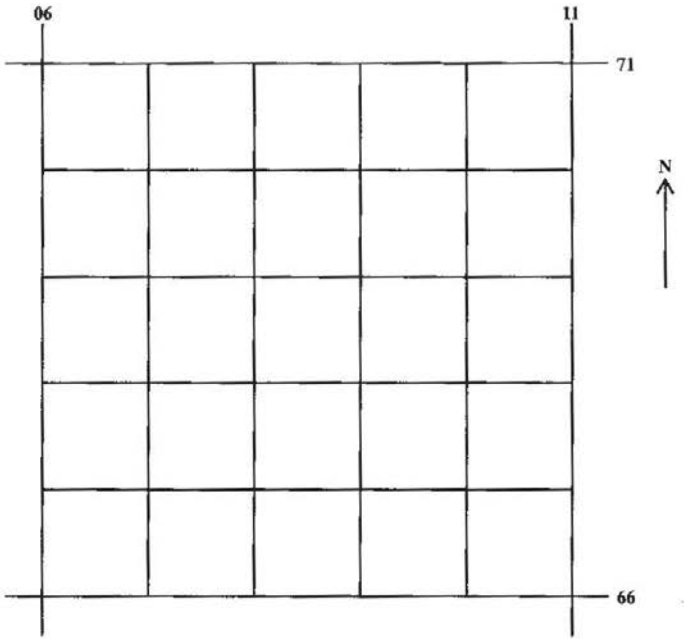


Figure 1. Location map of Port Antonio

2. Imagine you are undertaking a field survey of the traffic flow at the road junction south of Port Antonio at 085678.

Frame a research question or hypothesis for this project to guide the collection of data.

(2 marks)

3. (a) Describe THREE important characteristics of the traffic flow which you would record when conducting the survey indicated in Question 2.

(6 marks)

(b) Describe how you would conduct the survey indicated in Question 2. Be sure to state carefully the time(s) of the day for conducting the survey.

(5 marks)

GO ON TO THE NEXT PAGE

(c) (i) Identify a problem (not including the weather and illness) that you may encounter in conducting the survey in 3 (b) above.

(1 mark)

(ii) State how you would overcome the problem that you identified in 3 (c) (i) above.

(2 marks)

4. **Graph paper is provided for Question 4 (a).** Table 1 shows the flow of vehicles leaving and entering a small town at a certain time.

TABLE 1: FLOW OF VEHICLES DURING 15 MINUTES AT SELECTED HOURS

Time	Number of Vehicles Leaving	Number of Vehicles Entering
6 a.m.	50	25
9 a.m.	95	175
Noon	130	125
3 p.m.	40	100
6 p.m.	150	60

(a) Draw a line graph to present this data using the axes provided in Figure 2.

(3 marks)

Graph Paper for Question 4 (a)

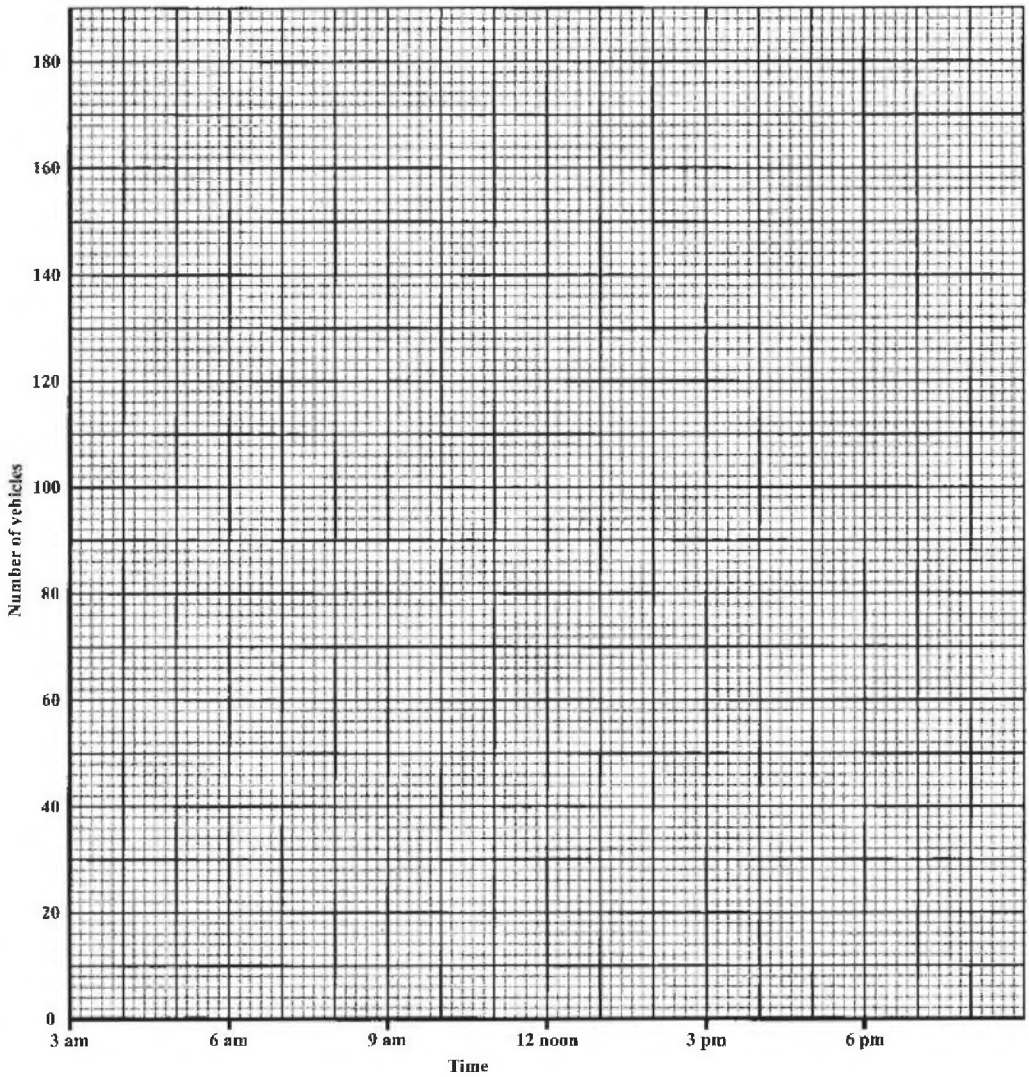


Figure 2. Flow of vehicles

(b) Suggest **THREE** reasons for the pattern of the traffic entering and leaving the town.

(6 marks)

5. Study Table 2 which shows the reported causes of landslides for a Caribbean island in 2000 and 2005 and answer the questions that follow.

TABLE 2: MAIN CAUSES OF LANDSLIDES IN A CARIBBEAN ISLAND IN 2000 AND 2005

Main Causes	Number of Landslides	
	2000	2005
Earthquakes	5	7
Heavy rainfall	19	10
Deforestation	11	17
Building on steep slopes	25	18

(a) (i) Draw a pie chart to present the data for 2000.

(3 marks)

(ii) Name ONE other method that you could use to illustrate the data for 2000.

_____

(1 mark)

GO ON TO THE NEXT PAGE

(b) Compare the causes of landslides occurring in 2000 and 2005.

(6 marks)

6. In preparing a report you have used a text, Hazards, by Garrett Nagle which was published in 1998 by Thomas Nelson and Sons Ltd. in London.

Present the information as part of a bibliography for the report.

(1 mark)

Total 40 marks

END OF TEST