

CARIBBEAN EXAMINATIONS COUNCIL

CARIBBEAN SECONDARY EDUCATION CERTIFICATE®  
EXAMINATION

08 JUNE 2017 (a.m.)



M1701225032

FILL IN ALL THE INFORMATION REQUESTED CLEARLY IN CAPITAL LETTERS.

TEST CODE 

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SUBJECT GEOGRAPHY – Paper 032

PROFICIENCY GENERAL

REGISTRATION NUMBER 

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SCHOOL/CENTRE NUMBER  

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NAME OF SCHOOL/CENTRE  

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CANDIDATE'S FULL NAME (FIRST, MIDDLE, LAST)  

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DATE OF BIRTH 

D	D	M	M	Y	Y	Y	Y
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MAY/JUNE 2017

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. Answer ALL questions.
2. Write your answers in the spaces provided in this booklet.
3. Do NOT write in the margins.
4. You may use a silent, non-programmable calculator to answer questions.
5. You may use geometrical instruments.
6. If you need to rewrite any answer and there is not enough space to do so on the original page, you must use the extra lined page(s) provided at the back of this booklet. **Remember to draw a line through your original answer.**
7. **If you use the extra page(s) you MUST write the question number clearly in the box provided at the top of the extra page(s) and, where relevant, include the question part beside the answer.**

**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 10 minutes on Question 1.

1. A map extract of Port Antonio, Jamaica (scale 1:50 000), is provided as an insert for this question.

Figure 1 shows part of this map between Eastings 04 and 07, and Northings 65 and 67 on a scale of 1:25 000. A part of the Rio Grande is included.

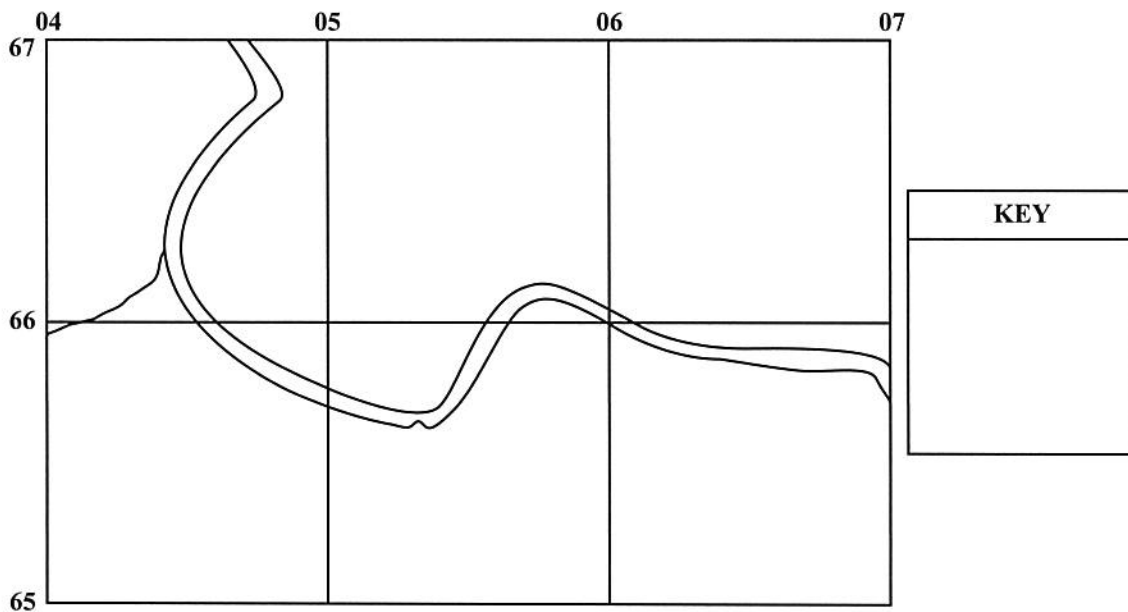


Figure 1. Section of the Rio Grande

Insert the following features on the grid in Figure 1:

- The tributary near Coopers Hill
- An X in the grid 0465 to show an area of river cliff
- The road near Fellowship to Eastings 06
- The area of mixed cultivation between Coopers Hill and Rio Grande (4 marks)



2. (a) Name ONE weather system that causes floods in the Caribbean.

.....  
**(1 mark)**

(b) You are required to study flooding in an area that has been repeatedly ravaged by flooding. The authorities are concerned that only certain sections of the population suffer severe damage and some communities are virtually unaffected.

(i) Formulate a research question or hypothesis to guide your study. This will be the aim of the study.

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**(2 marks)**

(ii) Write a brief introduction to provide a background to the study.

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**(2 marks)**

GO ON TO THE NEXT PAGE



3. (a) State TWO human variables and TWO physical variables for which you will collect data.

Human variable: 1. ....  
.....

2. ....  
.....

Physical variable: 1. ....  
.....

2. ....  
.....

**(4 marks)**

- (b) List TWO types of secondary data that you will need for the study.

1. ....  
.....

2. ....  
.....

**(2 marks)**



(c) Describe HOW and WHEN you will conduct the research by answering the following questions.

(i) How will respondents be selected?

.....  
.....  
.....  
.....  
**(1 mark)**

(ii) What instrument(s) will be used to collect the data?

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**(1 mark)**

(iii) List ONE piece of equipment you are likely to use for recording your observations.

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.....  
**(1 mark)**

(iv) State the time of year when you will conduct the study and a reason for choosing that time.

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.....  
.....  
**(1 mark)**

(v) Indicate the time of day when you will visit respondents to collect the data.

.....  
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**(1 mark)**



- (d) (i) State TWO problems that you may encounter when you approach residents to collect information (data).

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**(2 marks)**

- (ii) Suggest a solution to ONE of the problems stated in (d) (i).

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**(1 mark)**





**NOTHING HAS BEEN OMITTED.**



4. Study Table 1 which shows the number of responses from residents regarding the factors contributing to flooding in their communities. The table also provides a rating for these factors by the disaster management unit.

**TABLE 1: PERCEIVED CAUSES OF FLOODS IN THREE COMMUNITIES**

Factors Causing Flooding	Community A	Community B	Community C	Rating for Factor
Unusually high rain	7	5	9	Major
Blocked drains	4	7	3	Minor
Deforestation	2	10	8	Minor
Low-lying area	3	9	6	Major
Littering	5	4	1	Major
Building on the flood plains	6	1	7	Minor
Small river channel	4	3	6	Moderate
<b>Total</b>	<b>31</b>		<b>40</b>	

**A is a farming community.**  
**B is located on the flood plain.**  
**C is an urban community.**

- (a) (i) Determine the total number of responses from residents in Community B.

.....  
**(1 mark)**

- (ii) According to the responses, which factor contributes MOST to flooding overall?

.....  
.....  
**(1 mark)**

- (iii) What percentage of the responses in Community C regard deforestation as a cause of flooding?

.....  
.....  
**(1 mark)**

GO ON TO THE NEXT PAGE





5. Study Table 2 which shows flood control measures recommended by the communities.

**TABLE 2: RECOMMENDED FLOOD CONTROL MEASURES**

Main Measure	Community A	Community B	Community C	Probability of Reducing Flood Risk
Planting trees	9	11	10	High
Dredging of river	5	10	5	Low
Stabilizing river banks	5	9	8	Moderate
Relocating residents	10	2	6	Very high

- (a) On the grid provided **on page 13**, draw a bar graph to show the measures recommended by Community C. Provide a label for EACH axis. **(3 marks)**
  
- (b) With reference to the data in Table 2, explain how TWO flood control measures may reduce flood risk.

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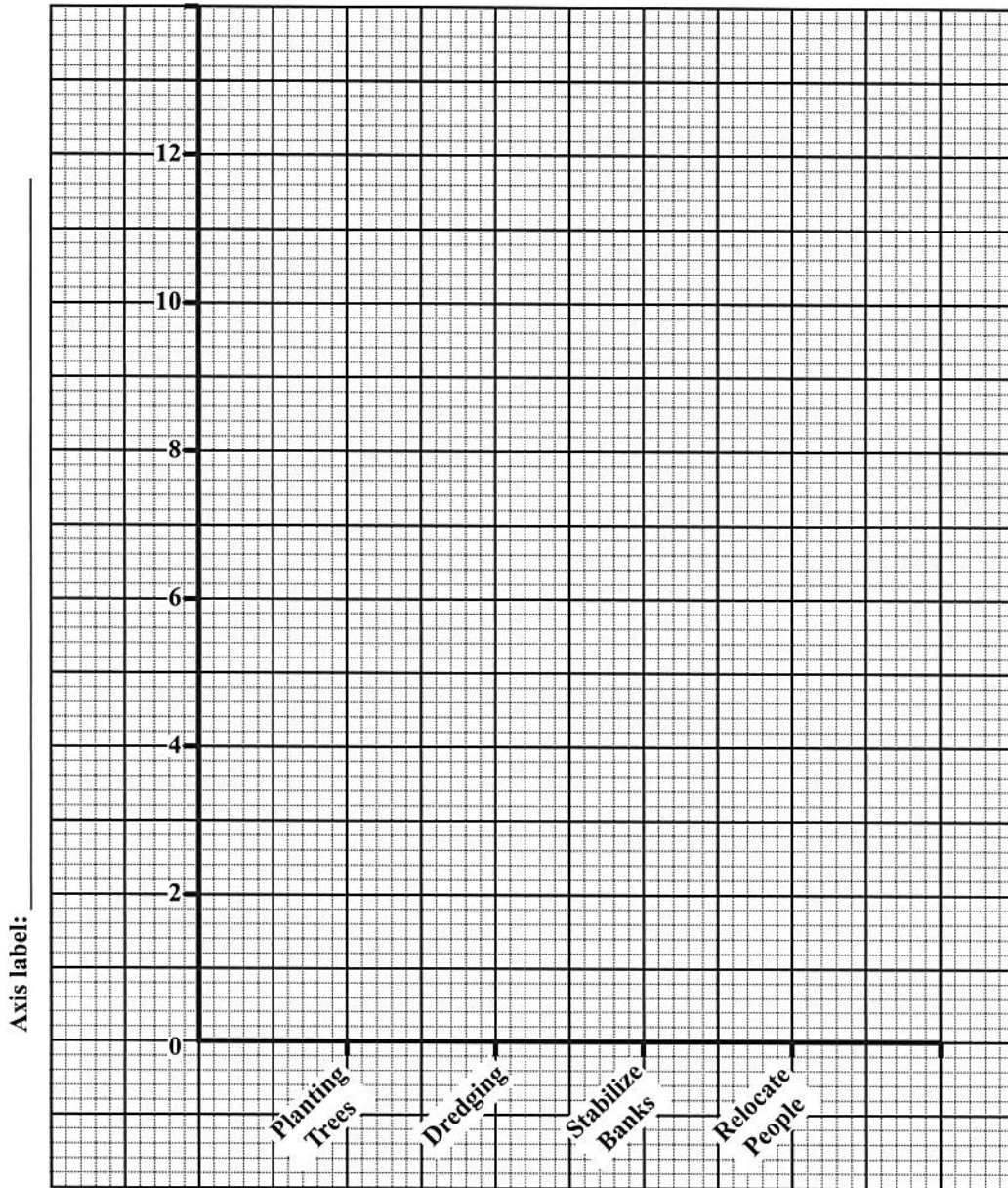
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**(4 marks)**





Axis label: \_\_\_\_\_



6. The reference below was part of a student's SBA bibliography.

*Ross, S. and Rocke, J. Essential Mapwork Skills for the Caribbean, \_\_\_\_\_ Nelson  
Thornes, 2013.*

What piece of information is missing from the reference?

.....  
.....

**(1 mark)**

**Total 40 marks**

**END OF TEST**

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

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# CANDIDATE'S RECEIPT

## INSTRUCTIONS TO CANDIDATE:

1. Fill in all the information requested clearly in capital letters.

TEST CODE: 

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SUBJECT: GEOGRAPHY – Paper 032

PROFICIENCY: GENERAL

REGISTRATION NUMBER: 

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FULL NAME: \_\_\_\_\_  
(BLOCK LETTERS)

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

2. Ensure that this slip is detached by the Supervisor or Invigilator and given to you when you hand in this booklet.
3. Keep it in a safe place until you have received your results.

## INSTRUCTION TO SUPERVISOR/INVIGILATOR:

Sign the declaration below, detach this slip and hand it to the candidate as his/her receipt for this booklet collected by you.

I hereby acknowledge receipt of the candidate's booklet for the examination stated above.

Signature: \_\_\_\_\_  
Supervisor/Invigilator

Date: \_\_\_\_\_



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