

CARIBBEAN EXAMINATIONS COUNCIL

CARIBBEAN SECONDARY EDUCATION CERTIFICATE®
EXAMINATION

25 MAY 2017 (a.m.)

M1701225020

FILL IN ALL THE INFORMATION REQUESTED CLEARLY IN CAPITAL LETTERS.

TEST CODE

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SUBJECT GEOGRAPHY – Paper 02

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

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SIGNATURE _____

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FORM TP 2017071



TEST CODE 01225020

MAY/JUNE 2017

CARIBBEAN EXAMINATIONS COUNCIL

CARIBBEAN SECONDARY EDUCATION CERTIFICATE®
EXAMINATION

GEOGRAPHY

Paper 02 – General Proficiency

2 hours 30 minutes

READ THE FOLLOWING INSTRUCTIONS CAREFULLY.

1. This paper consists of FOUR questions. Answer ALL questions.
2. Write your answers in the spaces provided in this booklet.
3. Do NOT write in the margins.
4. Credit will be given for the use of relevant sketch maps and diagrams.
5. You may use a silent, non-programmable calculator to answer questions.
6. You may use geometrical instruments.
7. 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.**
8. **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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01225020/F 2017



0122502003



Answer ALL questions.

1. Study the map extract of Port Antonio, on a scale of 1:50 000 (provided as an insert), and answer the following questions.

(a) State the six figure grid reference of the school at Spring Bank (near Port Antonio).

.....
(2 marks)

(b) Identify a river landform in grid square 0369.

.....
(1 mark)

(c) What is the compass direction of the church at Spring Bank from the transmitter at Boundbrook?

.....
(1 mark)

(d) Determine the bearing of the church at Spring Bank from the post office near St Margaret's Bay.

.....
(2 marks)

(e) Measure the straight line distance from the church at Spring Bank to the point where the Back Rio Grande joins the Rio Grande.

.....
(2 marks)

(f) Calculate the gradient from the 560 m circular contour line at Samba Hill near Northing 64, to the 40 m contour line at the point where the Back Rio Grande joins the Rio Grande.

Do your calculation here.

(4 marks)

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2. Study Table 1 which shows the average annual amount of sediment deposited into River X during the period 2005–2010, and answer the questions that follow.

TABLE 1: SEDIMENT DEPOSITED INTO RIVER X DURING 2005–2010

Year	Amount of Sediment (metric tonnes per year)
2005	300
2006	450
2007	225
2008	700
2009	900
2010	575

- (a) On the grid provided in Figure 1 on page 9,
- (i) draw a bar graph to illustrate the data presented in Table 1
 - (ii) provide a title for the graph
 - (iii) label each axis correctly. (5 marks)

- (b) Describe TWO ways by which a river transports its load.

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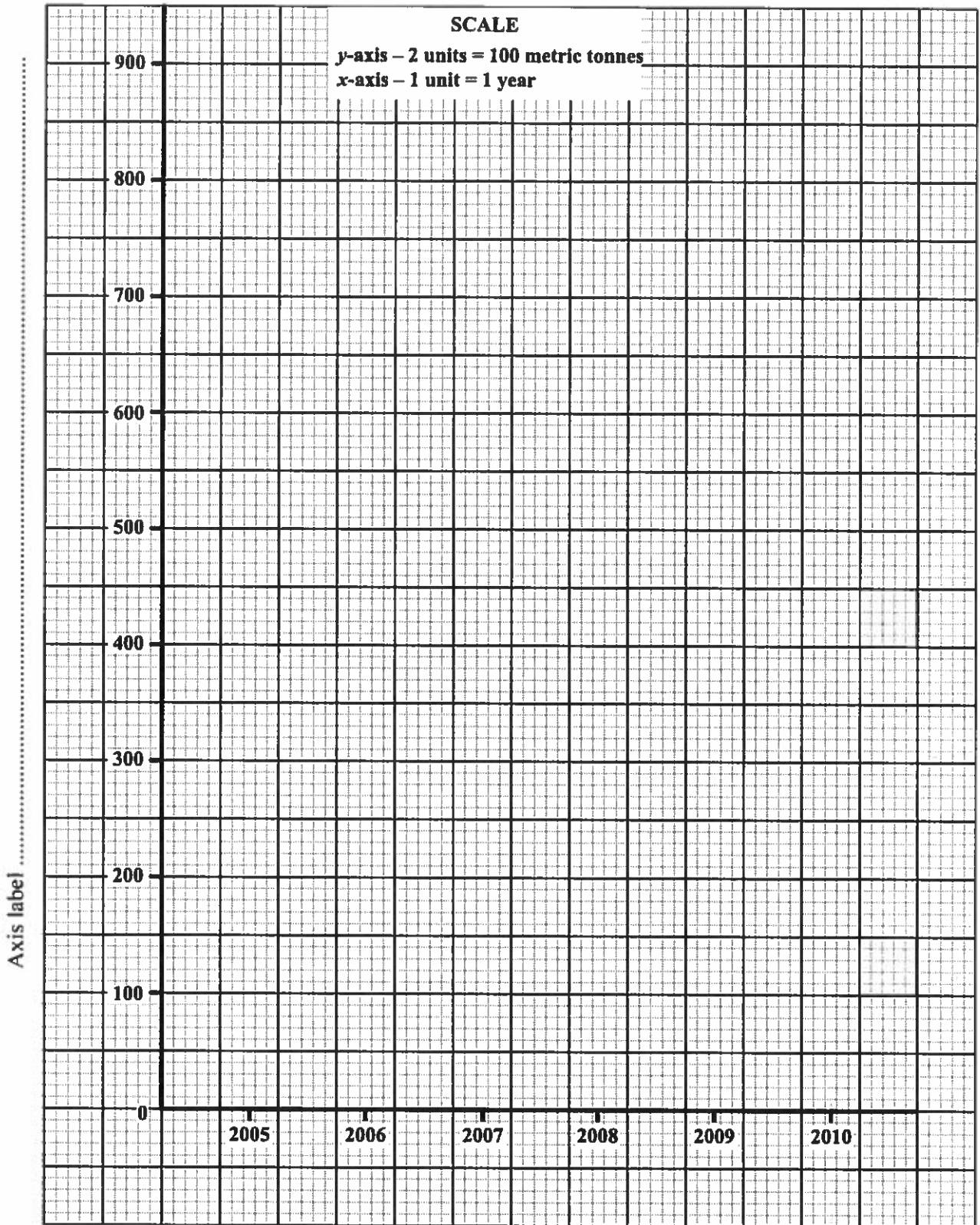
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.....

(4 marks)

GO ON TO THE NEXT PAGE

Title



Axis label

Figure 1.

GO ON TO THE NEXT PAGE



- (c) Complete Table 2 by describing the shape and rock structure of the drainage patterns indicated.

TABLE 2: DRAINAGE PATTERN

Drainage Pattern	Shape	Rock Structure
Radial	Circular, dome-shaped	Volcanic cone
Trellis		
Dendritic		

(4 marks)

- (d) Explain how a flood plain is formed. Your answer may be a set of well-labelled diagrams.

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(6 marks)

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3. (a) Figure 2 shows a population pyramid of Barbados for 2014. Study the pyramid, and answer the questions that follow.

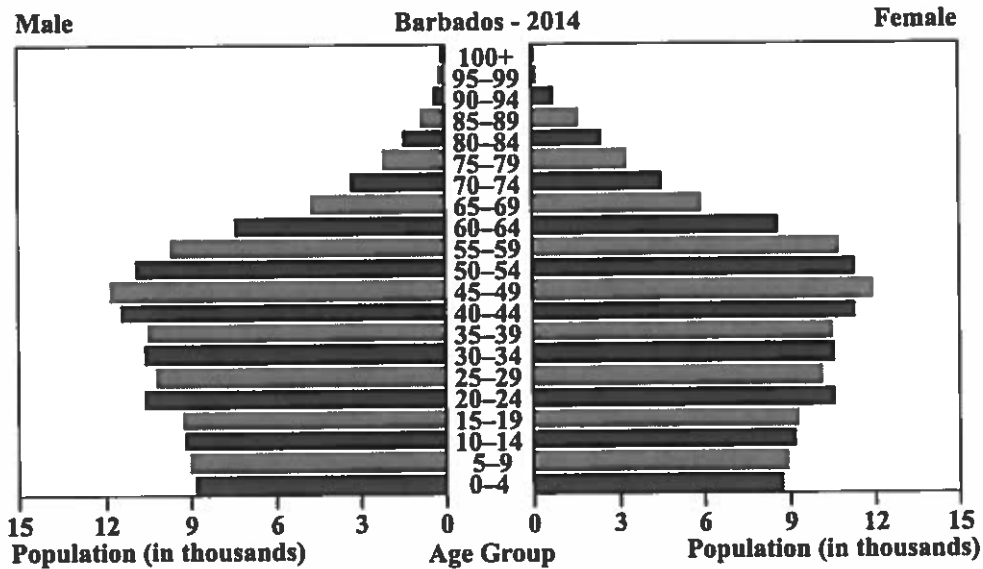


Figure 2. Population pyramid for Barbados

Source: <http://www.indexmundi.com/barbados/age=structure.html>

- (i) What is the age range for each group represented on the population pyramid?
..... (1 mark)
- (ii) Which age group had the LARGEST number of persons?
..... (1 mark)
- (iii) How many females were between the age group 5–9?
..... (1 mark)
- (iv) How many males were between the age group 10–19?
..... (1 mark)
- (v) Identify ONE particular age group which had twice as many females as males.
..... (1 mark)

GO ON TO THE NEXT PAGE



4. (a) (i) Draw a sketch map of a **named** Caribbean country. (3 marks)
- (ii) On the sketch map drawn in (a) (i), indicate the location of a **named** industrial area. (2 marks)



(b) (i) Define the following terms:

Global warming:

.....
.....
.....
.....
.....
.....

Greenhouse effect:

.....
.....
.....
.....
.....
.....

(4 marks)

(ii) Complete Table 3 by stating the human activity that results in the production of the greenhouse gas or the greenhouse gas produced by the activity indicated.

TABLE 3: HUMAN ACTIVITY AND GREENHOUSE GASES

Human Activity	Greenhouse Gas
Burning of fossil fuels, deforestation	
	Nitrogen oxide
Livestock and rice production	
	Chlorofluorocarbons (CFCs)

(4 marks)

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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 02

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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