

CARIBBEAN EXAMINATIONS COUNCIL

CARIBBEAN SECONDARY EDUCATION CERTIFICATE®
EXAMINATION

12 MAY 2022 (a.m.)



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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TEST CODE **01225020**

FORM TP 2022078

MAY/JUNE 2022

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/MJ/CSEC 2022



Answer ALL questions.

1. Study the map extract of Pointe-a-Pierre, Trinidad, drawn on a scale of 1:25 000 (provided as an insert) and answer the following questions.

(a) (i) State the six-figure grid reference of the police station near Union Estate.

.....
(2 marks)

(ii) What is the compass direction of the school near Union Estate (grid square 6843) from Trig Station 1047 (grid square 7043)?

.....
(1 mark)

(b) State TWO types of vegetation found along the coastline near Marabella.

.....
.....
(2 marks)

(c) Measure the bearing of Trig Station 1045 (grid square 7344) from Trig Station 1047 (grid square 7043).

Grid bearing
(2 marks)

(d) Measure the distance along the Solomon Hochoy Highway from its junction with Guaracara-Tabaquite Road (grid square 7139) to the point where the highway ends at the southern edge of the map.

Distance
(2 marks)

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- (e) Which of the following terms **best describes** the pattern of settlement found at the following locations on the map extract?

Nucleated, Linear, Dispersed

St Margaret

Marabella

La Carriere

(3 marks)

- (f) List **THREE** physical features of the site of the oil refinery shown on the map. (Examine the area between Eastings 66 and 71, and Northings 39 and 42).

.....

.....

.....

(3 marks)

- (g) Describe **TWO** features of the drainage east of the Solomon Hochoy Highway on the map extract.

1.

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2.

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(4 marks)



(h) Outline THREE ways in which the relief of the land has influenced the land use seen on the map.

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(6 marks)

Total 25 marks

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2. (a) Study Figure 1 below which shows features along a coastline and then answer the questions that follow.

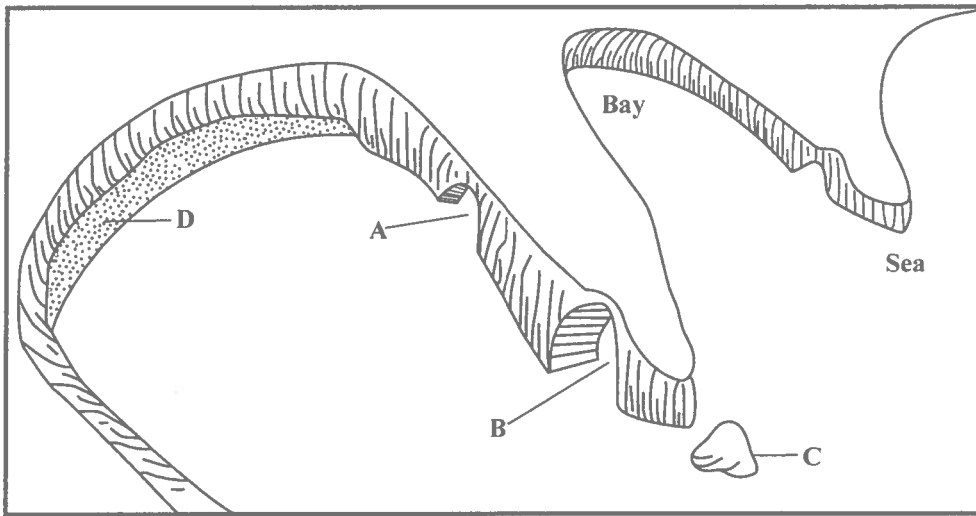


Figure 1. Features of a coastline

- (i) State the type of landform found at

A

B

C

D.

(4 marks)

- (ii) State the MAIN landform that separates the bays.

.....

(1 mark)



(b) (i) Outline the difference between 'weathering' and 'erosion'.

.....

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(4 marks)

(ii) Describe TWO processes by which wave action erodes a coastline.

1.

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(4 marks)

GO ON TO THE NEXT PAGE



(c) Explain how EACH of the following types of weathering takes place.

Frost action or freeze/thaw

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(3 marks)

Hydrolysis

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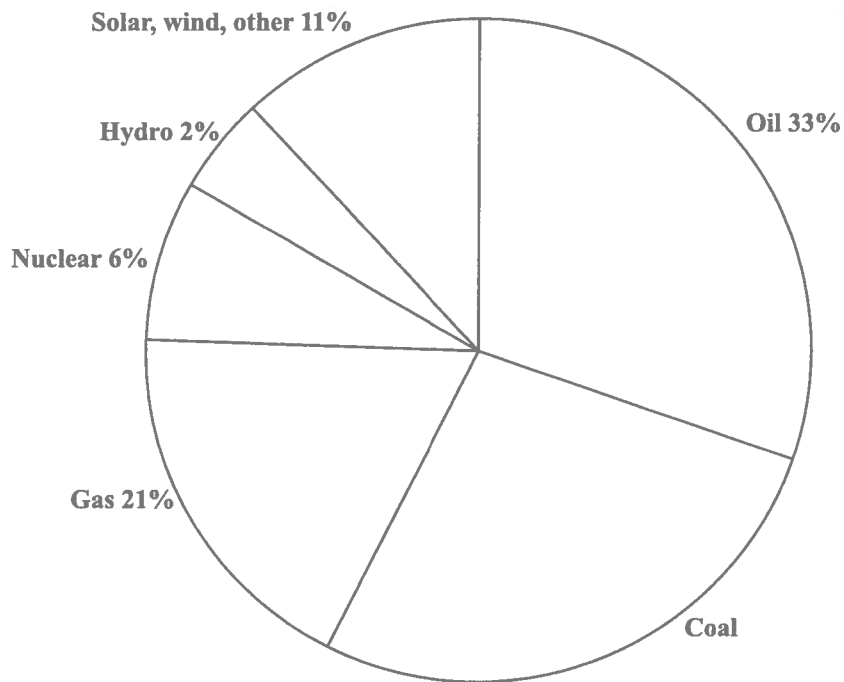
.....

(3 marks)

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3. (a) Study Figure 2 below which shows sources of the world's energy and then answer the questions that follow.



Source: Alley, R. B. et al. *Global Energy Sources*.
Retrieved from <https://www.e-education.psu.edu/earth104/node/1345>

Figure 2. Sources of global energy

- (i) What percentage of global energy comes from hydro?
.....
(1 mark)
- (ii) State the source that is the GREATEST contributor to world energy.
.....
(1 mark)
- (iii) Name the energy source that accounts for six per cent of global energy.
.....
(1 mark)
- (iv) Calculate the percentage of world energy that comes from coal. **Show your working.**
.....
.....
(2 marks)

GO ON TO THE NEXT PAGE



(b) (i) Differentiate between 'primary' and 'tertiary' economic activities.

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(4 marks)

(ii) Name any TWO extractive industries found in the Caribbean.

.....
.....

(2 marks)

(iii) For each extractive industry named in (b) (ii), state ONE country in the region where the industry currently exists on a large scale.

.....
.....

(2 marks)

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4. Study the table below which shows information about coral reefs in the Caribbean and then answer the questions that follow.

TABLE 1: CORAL REEFS IN THE CARIBBEAN

Country	Reef Area (km ²)	Reef at High Risk of Destruction/ Degradation (%)
Antigua and Barbuda	180	51
The Bahamas	3 580	2
Barbados	90	86
Belize	1 420	32
Cuba	3 290	33

Source: Burke, L and J. Maidens. Reefs at Risk in the Caribbean, Washington, D.C.: World Resources Institute, 2004, Retrieved from http://pdf.wri.org/reefs_caribbean_full.pdf

- (a) (i) Which country has the largest area of coral reefs?
.....
(1 mark)
- (ii) State the area of the coral reefs in Belize.
.....
(1 mark)
- (iii) Which country has the highest percentage of its reefs at high risk of destruction/
degradation?
.....
(1 mark)
- (iv) Which country has approximately half of its reefs at high risk of destruction/
degradation?
.....
(1 mark)
- (v) State the country that has been most successful in limiting the effects of human
activity on its coral reefs.
.....
(1 mark)

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- (b) (i) Describe TWO conditions that are necessary for the successful formation of coral reefs in the Caribbean.

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(4 marks)

- (ii) Outline TWO ways in which mangrove wetlands are important to coastal communities in the Caribbean.

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(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: _____

