FORM TP 02025082

TEST CODE 01225020

MAY/JUNE 2025

CARIBBEAN EXAMINATIONS COUNCIL

CARIBBEAN SECONDARY EDUCATION CERTIFICATE® EXAMINATION

GEOGRAPHY

Paper 02 – General Proficiency

2 hours 30 minutes

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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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Answer ALL questions.

1. Study the map extract of Pointe Michel, Lesser Antilles, drawn on a scale of 1:25 000 (**provided as an insert**), and answer the following questions.

(a) State the height of the trigonometrical station (6586) in the town of Pointe Michel.

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(1 mark)

(b) Name ONE social service provided for the population of the town of Pointe Michel.

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(1 mark)

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(c) State the six-figure grid reference of the school at Scotts Head Village (Cachacrou) in the southern section of the map extract.

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(2 marks)

(d) State the compass direction of the trigonometrical station (6981) from the school at Scotts Head Village (6781).

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(1 mark)

(e) Measure and state the bearing of the police station in Soufriere (6783) from the school at Tete Morne (6983).

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(2 marks)

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(f) Measure and state the distance along the surfaced road (main road) from Trigonometrical Station 8 near Scott's Head Village to the police station in Soufriere (6783) along Soufriere Bay. Give your answer to the nearest hundred metres.

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(2 marks)

GO ON TO THE NEXT PAGE

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(g) Complete the table below by using the words from the list to describe the slope of the land at EACH of the following locations on the map.

Gentle, moderate, steep

Grid Square	Description
7183	.....
7284	.....
7082	.....

(3 marks)

(h) Identify THREE features of the site of the town of Soufriere.

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(3 marks)

(i) Describe TWO features of the road network on the map extract west of Easting 69.

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(4 marks)

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(j) Outline THREE ways in which the relief of the land has influenced land use south of Northing 84 on the map extract. Use appropriate examples to support your responses.

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(6 marks)

Total 25 marks

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2. Figure 1 shows the cross-section of a limestone landscape. Study the figure and answer the questions that follow.

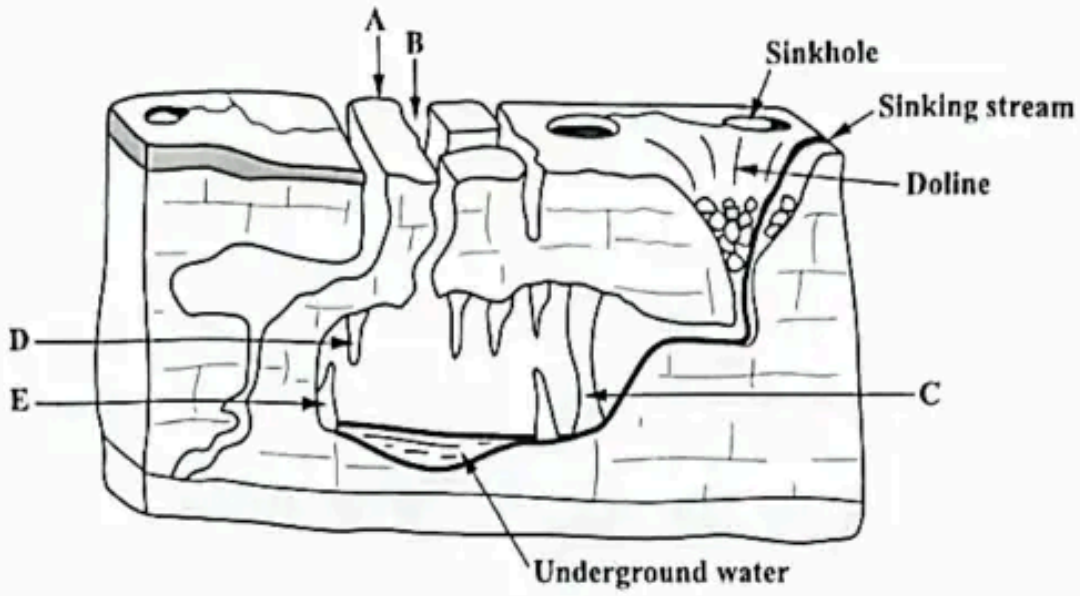


Figure 1. Cross-section of limestone landscape

(a) Name EACH of the features labelled A–E in Figure 1.

A .....

B .....

C .....

D .....

E .....

(5 marks)

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(b) (i) Complete the Venn diagram below by writing the terms associated with weather and/or climate in the correct positions. 'Long-term' has been included in the diagram as an example.

Temperature, predictable, unpredictable, short-term, longitude

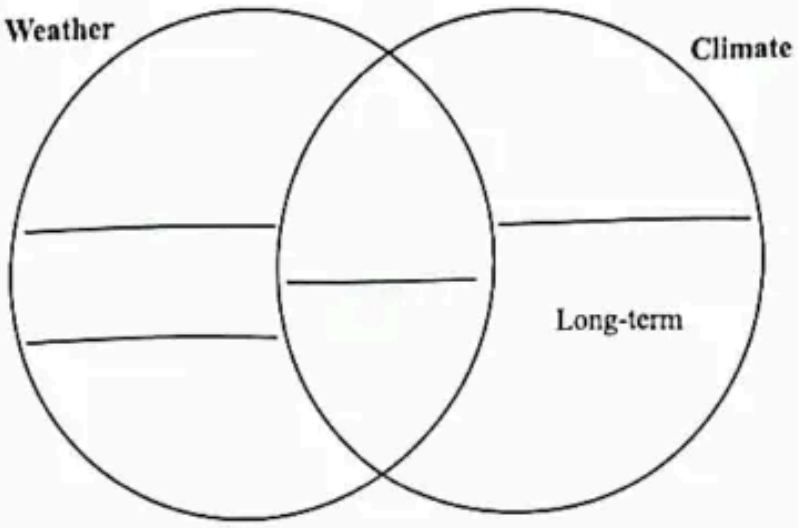


Figure 2. Weather and climate Venn diagram

(4 marks)

(ii) Define the following terms.

Permeable rock

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Weathering

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(4 marks)

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0 1 2 2 5 0 2 0 0 8

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(c) The Cockpit Country in Jamaica is known to have a high level of biodiversity, but under this area is a unique karst landscape with various features.

Explain how TWO of the following features are formed in a karst landscape.

- Swallow holes/sink holes
- Surface depressions/dolines
- Caves

(6 marks)

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(d) Explain THREE ways in which precipitation in a tropical marine climate differs from that in an equatorial climate.

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(6 marks)

Total 25 marks

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3. (a) Table 1 shows the number of migrants entering Trinidad and Tobago between 2018 and 2022. Study the table and answer the questions that follow.

TABLE 1: NUMBER OF MIGRANTS ENTERING TRINIDAD AND TOBAGO, 2018–2022

Year (End of December Each Year)	Number of Migrants Entering Trinidad and Tobago
2018	567
2019	696
2020	575
2021	590
2022	567

Adapted from Helen Harris, Essential Math Skills. Ed. Heather Davis. Philip Allan for Hodder Education, 2016. Retrieved 31 March 2023, from https://www.hoddereducation.co.uk/media/Documents/Geography/Essential-Maths-Skills-For-Geography_Sample-Pages.pdf

(i) State the modal number of migrants entering Trinidad and Tobago.

.....

(1 mark)

(ii) State the median number of migrants for the period.

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(1 mark)

(iii) Calculate the mean number of migrants for the period. (Show all working.)

(3 marks)

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(b) (i) With reference to migration, outline the difference between a push factor and a pull factor. Your answer should include an example of each.

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(4 marks)

(ii) Describe TWO pull factors **other than the one given in (b) (i)** which have contributed to out-migration from the Caribbean region since the 1990s.

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(4 marks)

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(c) Explain TWO benefits which are derived from primary sector activities in the Caribbean.

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(6 marks)

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(d) Explain how any TWO economic factors have influenced the development of agriculture in the Caribbean.

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(6 marks)

Total 25 marks

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4. (a) Figure 3 is a schematic diagram which shows the distribution of the incoming solar radiation. Study the diagram and answer the questions that follow.

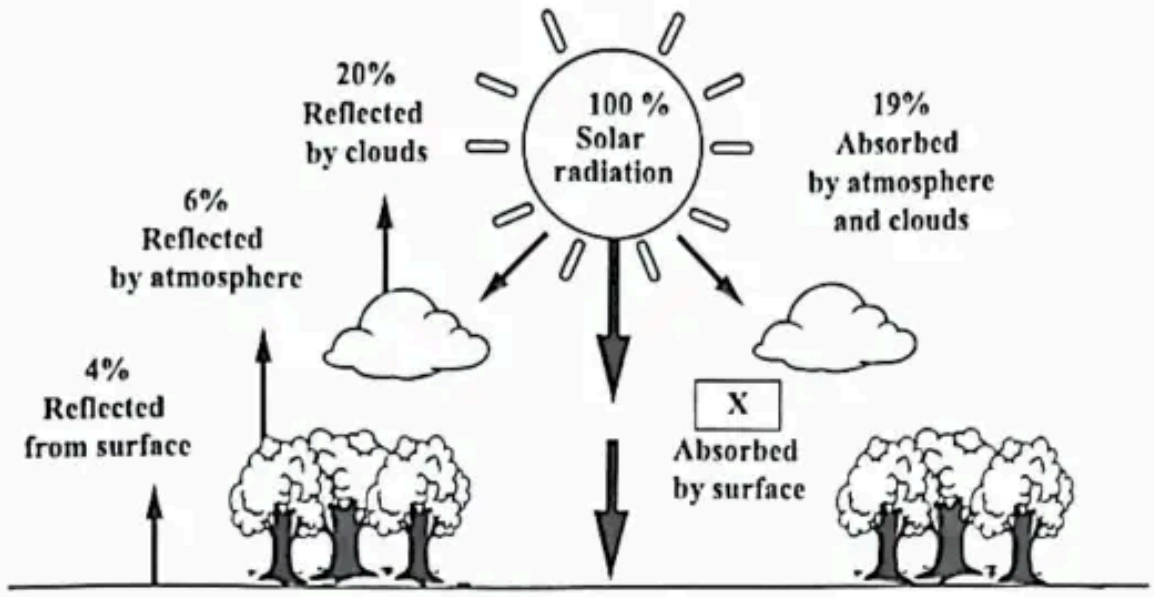


Figure 3. Distribution of the incoming solar radiation

Adapted from Pidwirny, M. (2006). Atmospheric Effects on Incoming Solar Radiation. Fundamentals of Physical Geography, 2nd Edition. Retrieved 29th March, 2023 from http://www.physicalgeography.net/fundamentals/7f.html

(i) State what happens to 19% of the incoming solar radiation.

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(1 mark)

(ii) Determine the percentage of solar radiation that is reflected before it reaches the earth's surface.

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(1 mark)

(iii) Determine the percentage of solar radiation that is reflected in total.

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(1 mark)

(iv) Calculate the percentage of solar radiation that is absorbed at the Earth's surface, **X**. Show all working.

(2 marks)

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(b) (i) Explain what is meant by the term 'global warming'.

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(4 marks)

(ii) Describe TWO ways in which the clearing of land for arable farming contributes to global warming.

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(4 marks)

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(c) Over the last 30 years, Caribbean countries have experienced an economic decline in the sugar industry. In order to manage this decline, countries have had to transform their economies and repurpose agricultural lands.

Explain TWO ways in which Caribbean countries have diversified land use in sugar producing areas. Use appropriate examples to support your responses.

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(6 marks)

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(d) Explain TWO ways in which agriculture contributes to environmental degradation in the Caribbean.

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(6 marks)

Total 25 marks

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END OF TEST

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

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