FORM TP 2019076

TEST CODE **01225020**

MAY/JUNE 2019

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.

Copyright © 2018 Caribbean Examinations Council
All rights reserved.

0122502003

Answer ALL questions.

1. Study the map extract of Penal, drawn to 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 minor trigonometrical station near Northing 23.

.....

(2 marks)

(ii) What is the compass direction of the oilfield from the minor trigonometrical station?

.....

(1 mark)

(b) Name TWO types of natural vegetation that are present along Easting 63.

.....

.....

(2 marks)

(c) What is the bearing of the hospital slightly north of Pluck from the dam at Grande Terre?

.....

.....

(2 marks)

(d) What is the distance, in kilometres, along the first class road between Northing 26 and Northing 28?

.....

(2 marks)

(e) Give ONE word to describe the gradient of the slope present at EACH of the following locations along Northing 23 moving from east to west.

(i) 25 feet contour line near the disused railway to the first 50 feet contour line (3367)

.....

(ii) 50 feet contour line to the 125 feet contour line in grid 2366

.....

(iii) 100 feet contour line to the 175 feet contour line in grid 2364

.....

(3 marks)

(f) Identify the main type of settlement found in each of the following grid squares.

(i) 6026 .....

(ii) 6926 .....

(iii) 6824 .....

(3 marks)

(g) State FOUR characteristics of the drainage north of Northing 25 shown on the map extract.

1. .....

.....

2. .....

.....

3. .....

.....

4. .....

.....

(4 marks)

(h) Outline THREE factors that may have influenced the distribution of rice cultivation in the area depicted on the map extract.

1. .....

.....

.....

.....

.....

2. .....

.....

.....

.....

.....

3. .....

.....

.....

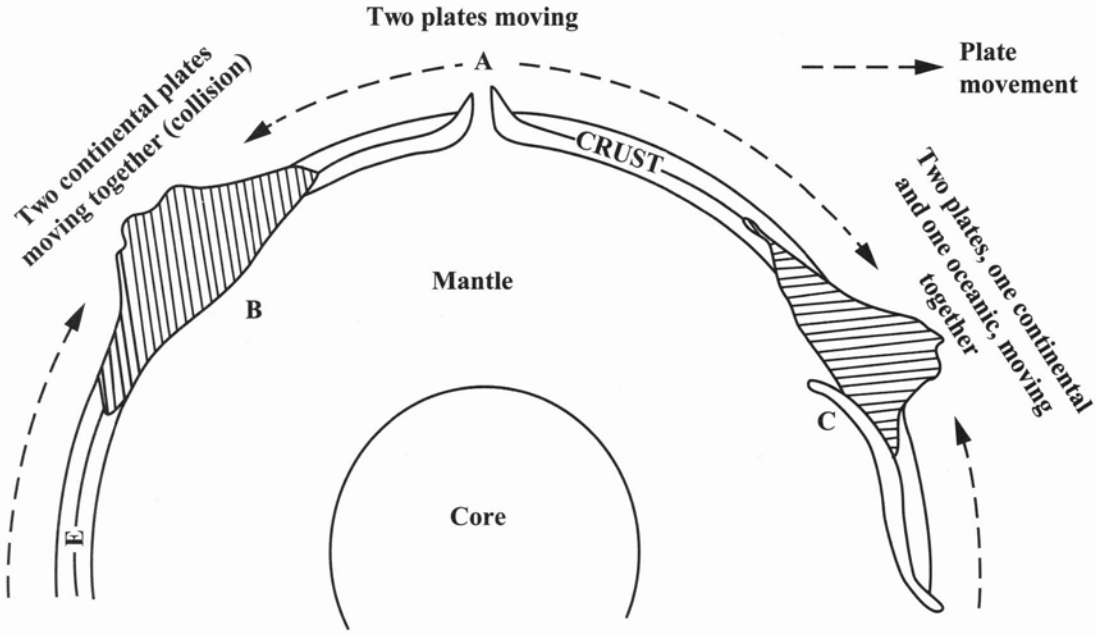
.....

.....

(6 marks)

Total 25 marks

2. (a) Study the diagram below which shows plate boundaries and then answer the questions which follow.



(i) Name the plate boundaries shown at

A .....

C .....

(2 marks)

(ii) What type of mountain is formed at B?

.....

(1 mark)

(iii) State ONE landform associated with the plate boundary shown at A.

.....

(1 mark)

(iv) State the name of ONE active volcano located in the Caribbean.

.....

(1 mark)

(5 marks)

GO ON TO THE NEXT PAGE

0122502007

(b) (i) Describe how EACH of the following features is formed.

Sills .....

.....

.....

.....

.....

.....

Dykes .....

.....

.....

.....

.....

.....

(4 marks)

(ii) Describe what happens when a continental plate meets an oceanic plate.

.....

.....

.....

.....

.....

.....

(4 marks)

(c) Explain why the shape of a basic lava cone is different from the shape of an acid lava cone.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

(6 marks)

(d) Explain the cause of earthquakes at convergent and transform boundaries.

Convergent boundaries

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

Transform boundaries

.....

.....

.....

.....

.....

.....

.....

.....

.....

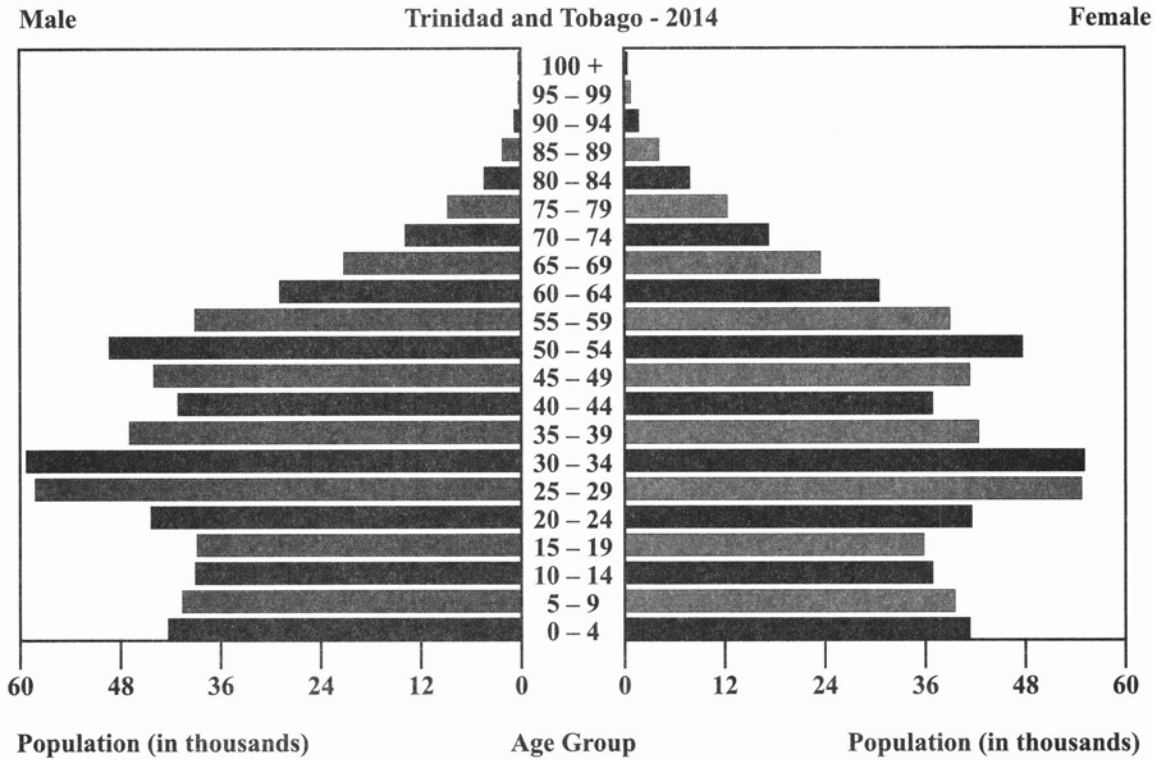
.....

(6 marks)

Total 25 marks

GO ON TO THE NEXT PAGE

3. (a) Study the graph below which shows a population pyramid of Trinidad and Tobago for 2014, and then answer the questions that follow.



Source: Retrieved 02 January 2018 from https://www.indexmundi.com/trinidad_and_tobago/age_structure.html.

(i) What is the range for EACH age group represented in the population pyramid?

.....

(1 mark)

(ii) Which age range has the GREATEST number of males?

.....

(1 mark)

(iii) State ONE age range that has a population of over 48 000 female members.

.....

(1 mark)

(iv) Which age range has the LEAST number of persons below 25 years?

.....

(1 mark)

GO ON TO THE NEXT PAGE

(v) Which age range has the largest number of persons over 45 years?

.....

(1 mark)

(5 marks)

(b) (i) Define the term 'primary economic activities'.

.....

.....

.....

(2 mark)

(ii) Describe how EACH of the following factors has influenced out-migration in the Caribbean since the 1990s.

Economic

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

Social

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

Political

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

(6 marks)

(c) Compare the characteristics of large scale and small-scale farming in the Caribbean using the following headings

Size of farms

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

Farming practices

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

Labour supply

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

Technology

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

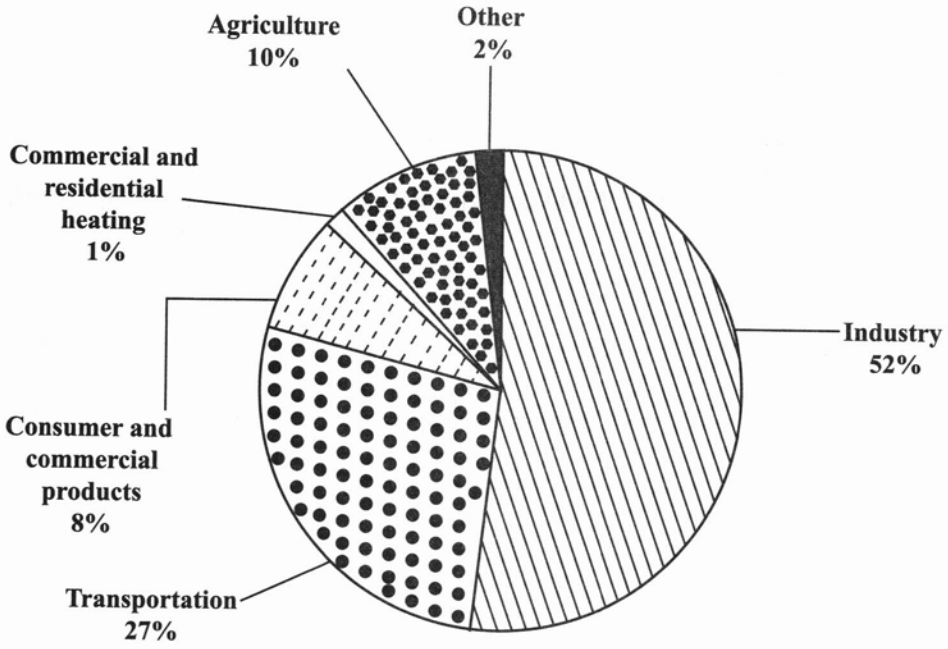
(12 marks)

Total 25 marks

GO ON TO THE NEXT PAGE

4. (a) Study the pie chart below which shows sources of emission of air pollutants and then answer the questions which follow.

Sources of Emission of Air Pollutants



Source: Retrieved 6 November 2017 from https://www.researchgate.net/figure/Sources-of-Emissions-of-Air-Pollution-International-Energy-resources-2011_fig1_313894270

(i) What percentage of air pollutants results from the transportation sector?

.....

(1 mark)

(ii) What percentage of air pollutants results from industry?

.....

(1 mark)

(iii) What sector contributes the LOWEST percentage of pollutants to the air?

.....

(1 mark)

GO ON TO THE NEXT PAGE

(iv) Suggest ONE conclusion that can be drawn from the information given in the chart.

.....

.....

.....

(2 marks)

(5 marks)

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

1. .....

.....

.....

.....

2. .....

.....

.....

.....

(4 marks)

(ii) Outline TWO ways in which coral reefs protect the coastal region in the Caribbean.

1. .....

.....

.....

.....

2. .....

.....

.....

.....

(4 marks)

GO ON TO THE NEXT PAGE



(c) Explain TWO ways in which agriculture contributes to degradation of the coral reefs in the Caribbean.

1. .....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

2. .....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

(6 marks)

(d) Discuss TWO measures that have been implemented at the national level of MOST countries to ensure the sustainability of coral reefs. Use examples to support your answer.

1. .....

.....

.....

.....

.....

.....

.....

.....

.....

2. .....

.....

.....

.....

.....

.....

.....

.....

.....

(6 marks)

Total 25 marks

END OF TEST

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

The Council has made every effort to trace copyright holders. However, if any have been inadvertently overlooked, or any material has been incorrectly acknowledged, CXC will be pleased to correct this at the earliest opportunity.



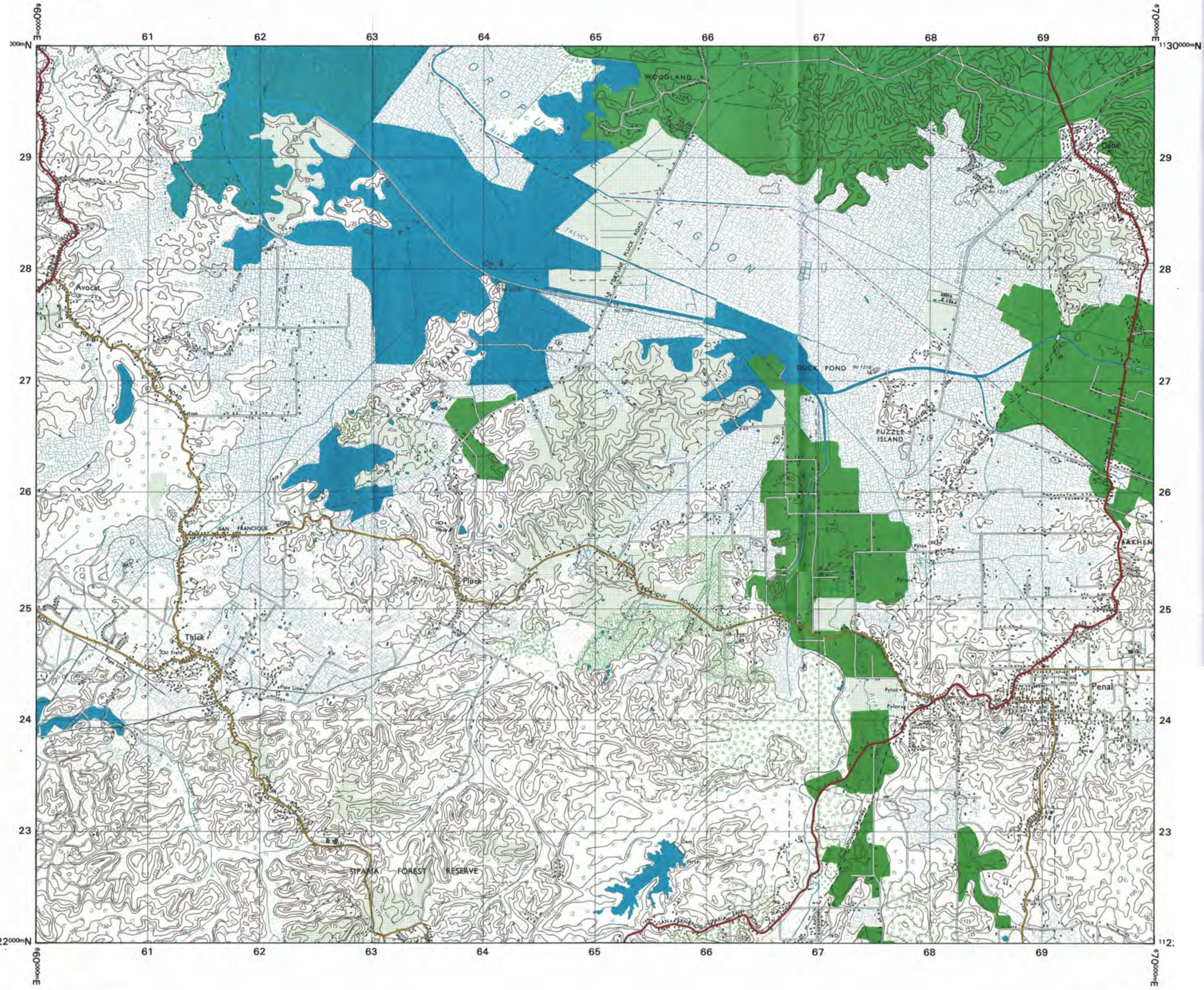
1:25,000

Extract No 758/TRINIDAD

Extracted from Series E 804 (DOS 316/1)
Sheet 63 Edition 1-DOS 1977

Seven colours should appear above; if not then return to the invigilator.

TRINIDAD
PENAL



© Crown copyright 1977
Reproduction in whole or in part by any means is prohibited without the prior permission of the Ordnance Survey.

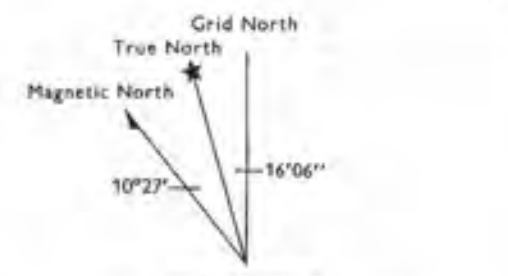
Prepared by Ordnance Survey
Printed by Stephen Austin and Sons Ltd., England for
Caribbean Examinations Council, 1988

SCALE 1:25,000

Mile 1 ¾ ½ ¼ 0 1 2 3 4 Miles

Feet 3000 0 3000 6000 9000 12000 15000 18000 21000 Feet

Metres 1000 500 0 1 2 3 4 5 6 Kilometres



At Sheet Centre
Magnetic Variation as at January 1975
Annual Change : 6' West

Grid :-	U.T.M. Zone 20
Projection :-	Transverse Mercator
Spheroid :-	International
Unit of Measurement :-	Metre
Meridian of Origin :-	63° West of Greenwich
Latitude of Origin :-	Equator
Scale Factor at Origin :-	0·9996
False Co-ordinates of Origin :-	500,000m Easting Nil m Northing
Datum :-	Naparima 1955

Boundary - County
- Ward
- Forest

Railway - (Disused)

Road - 1st Class
- 2nd Class
- 3rd Class & Town Roads
- 4th Class

Footpath

Building - Public, Other

Areas of small or temporary buildings

Power Transmission Line

Trigonometrical Station - Main, Minor △ ▽

Height in feet given to ground level ·108

Contours (V.I. 50 feet with 25 feet interpolation) 525 500 475

Contour showing depression

Public Works Department PWD

Church, Chapel, School Ch Cha Sch

Mosque, Temple, Rest House Mos Tem RHo

Police Station, Post Office Pol S PO

Health Office, Hospital HO Hosp

Market, Antiquity Mkt Fort

Warden's Office WO

Community Centre, Sports Ground C Cen SpGd

Cemetery

Mud Volcano V

Derrick, Windmill, Windpump D WMl WPp

Borehole, Spring, Well BH Spr Wx

Reservoir Resr

Swamp Forest

Mangrove

Swamp

Rice

Forest

Scrub

Savannah

Forest Plantation

Coconut (Isolated symbol represents palm tree)

Citrus

Sugar Cane

Vegetable Garden

Other Cultivation & Plantation

Line of Trees, Positioned Tree

Shade Trees with other Classes



IN AREAS OF HIGH VEGETATION THE ACCURACY OF CONTOURS RELATIVE TO THE UNDERLYING GROUND SURFACE CANNOT BE GUARANTEED