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BGCSE

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GEOGRAPHY

PAPER 3 5109/3

Monday **6 JUNE 2011** 9.00 – 11.30 A.M.

Additional materials:
Ordnance Survey Map
Answer sheet

MINISTRY OF EDUCATION NATIONAL EXAMINATIONS

BAHAMAS GENERAL CERTIFICATE OF SECONDARY EDUCATION

INSTRUCTIONS TO SUPERVISORS

Candidates should be issued at the start of the examination with the paper for which they have been entered **EITHER Paper 2 OR Paper 3**.

Paper 3 is targeted at those candidates who would be expected to achieve a grade within the range A to D.

INSTRUCTIONS AND INFORMATION TO CANDIDATES

Do not open this booklet until you are told to do so.

Write your school number, candidate number, surname and initials in the spaces provided at the top of this page.

This paper accounts for 50% of the total marks. There are 8 questions in this booklet.

Candidates must answer any **FOUR** questions from a total of eight questions. If you attempt more than **FOUR** questions only the first **FOUR** answers will be marked. All questions carry twenty-five marks. The mark for each part-question is given in brackets [].

ALL candidates are required to write their answers in the spaces provided for each question.

This question paper consists of 24 printed pages and 4 blank pages.



1. Study the Ordnance Survey Map Extract 1:50,000 of CUREPIPE, Mauritius and complete the following exercise.

(a) List **THREE** functions found in Curepipe.

 [3]

(b) What is the main economic activity in the northeast portion of the map?

 [1]

(c) Describe the site of Midlands (0384) and suggested why expansion of the settlement to the north may be difficult.

 [6]

(d) What **THREE** advantages exist for the location of the farm in grid square 9380?

 [3]

- (e) (i) In what direction does the river flow between eastings 97 and 03 to the south of northing 79?

_____ [1]

- (ii) What is the bearing from the Break Pressure tank (966832) to the Forestry Department located at 986859?

_____ [2]

- (iii) What is the road distance (miles) from the junction (000856) to the junction at 962842?

_____ [2]

- (f) Describe the settlement pattern in grid square 0376.

_____ [2]

- (g) (i) Identify the **MAIN** Wetland area of the map.

_____ [1]

- (ii) Explain **TWO** reasons why it is important to preserve Wetlands.

_____ [4]

2. Fig 1 shows cargo being off-loaded in Port-of-Spain, Trinidad.



- (a) Why does trade exist between countries?

[1]

- (b) What are **TWO** advantages of a country being self-sufficient?

[2]

- (c) List the main export of each of the Caribbean countries listed below.

Countries	Export item
Venezuela	
Jamaica	
Cuba	
Bahamas (Inagua)	

[4]

- (d) (i) Discuss **TWO** advantages for countries that belong to trading blocks.

[4]

- (ii) Explain **TWO** disadvantages for a country that imports more goods than it exports.

[4]

- (e) Suggest **TWO** indicators that would show whether a country is developing or developed.

[4]

- (f) Outline **THREE** measures that governments can undertake to encourage trade.

[6]

3. Fig 2 shows a photograph of covered bananas.



Modern Caribbean Geography

- (a) (i) List **FIVE** activities involved in banana cultivation.

[5]

- (ii) Name **TWO** important producers of bananas in the Caribbean.

[2]

- (b) (i) Explain why the bananas shown in Fig 2 are covered.

[2]

- (ii) Describe **THREE** physical requirements for the cultivation of any crop.

[4]

- (iii) Name **TWO** islands in The Bahamas and for each, give **ONE** agricultural product grown on a large scale there. [4]

ISLANDS	PRODUCTS

- (c) Describe **TWO** problems experienced by Bahamian Farmers and list **TWO** solutions.

[6]

4. (a) The information below represents official information of island Alpeka

Island: Alpeka

size: 17 km²

Economy: Farming

Population: 3 400

Language: French

Calculate the population density of Alpeka.

[2]

- (b) Table A represents statistics gathered for a Population Pyramid of The Bahamas. It shows a portion of the total population of the country in 2000.

Table A

Age	Females (%)
0-4	14.5
5-9	15.8
10-14	14.5
15-19	12
20-24	12.8

- (i) Using the statistics in **Table A** construct the beginning portion for a Population Pyramid below.

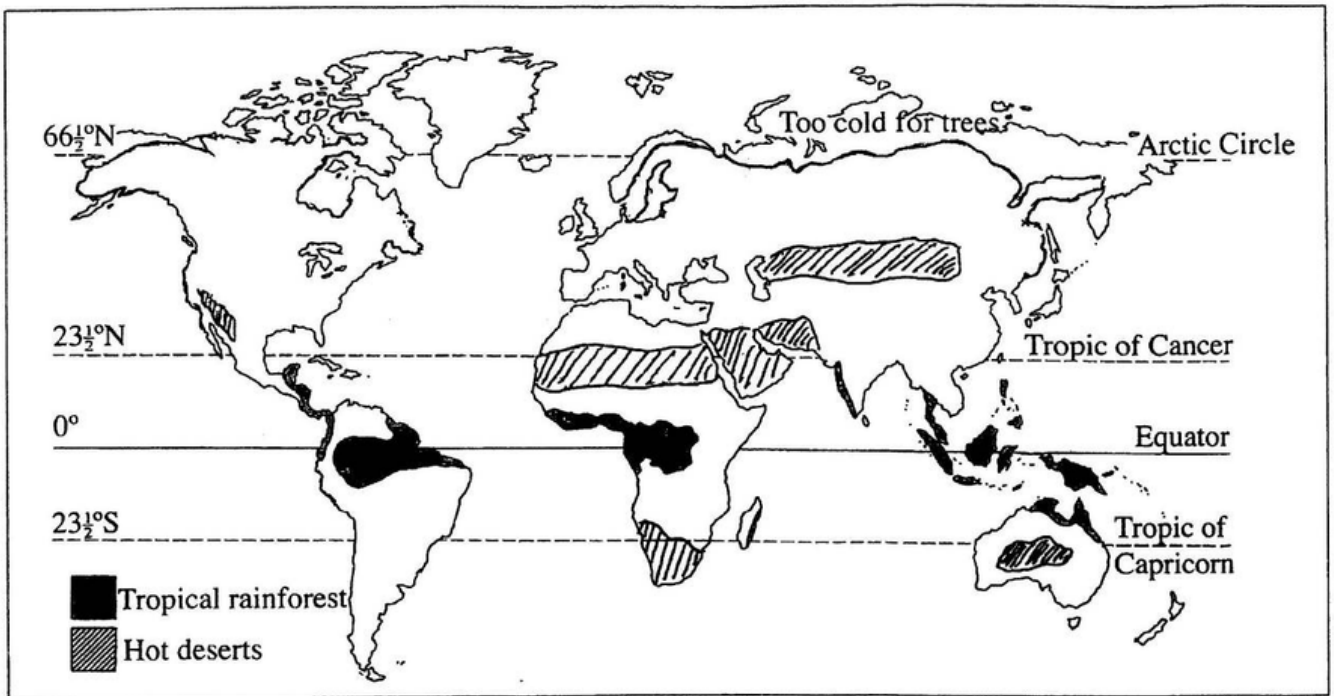
[5]

- (ii) Which age groups make up the dependent population in a country?

[2]

- (iii) Suggest **TWO** ways in which the population statistics such as shown in Fig 3 can be useful to the government.

- (c) Fig 3 shows the Tropical Rainforests and Hot Desert regions that are sparsely populated.



Principles of Caribbean Geography – N. London

- (i) Explain **TWO** reasons for the sparse population of each region below.

Rainforests:

[4]

Hot Deserts:

[4]

- (ii) Discuss **THREE** ways in which a country may control its population.

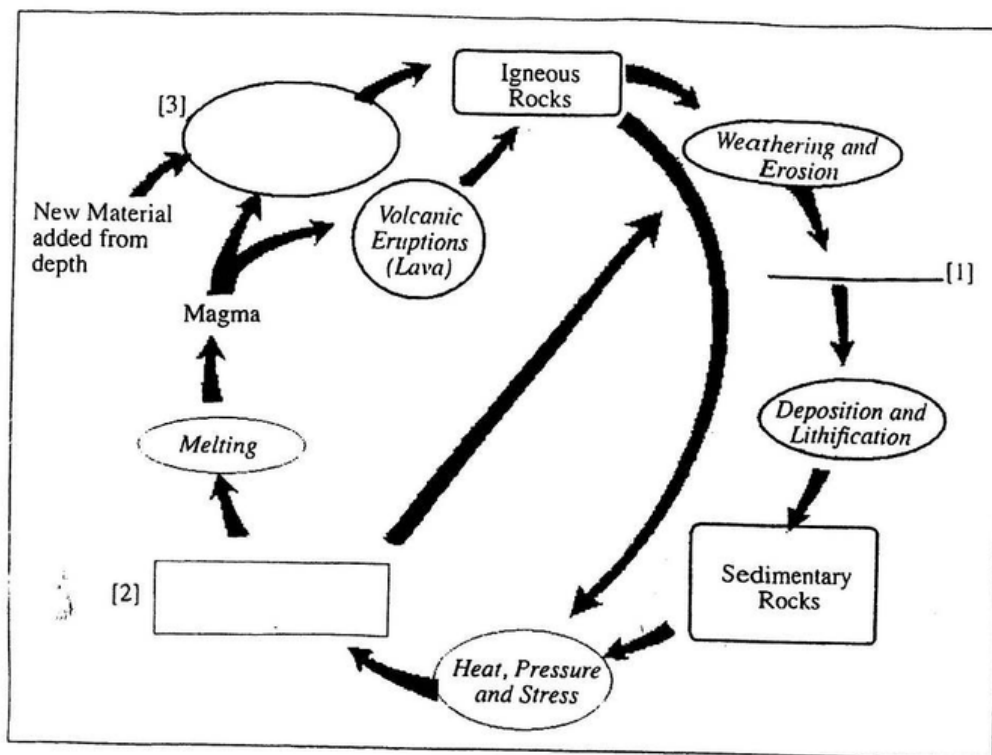
[6]

5. (a) (i) Complete the diagram below of the Rock Cycle, by labelling the parts numbered 1, 2, 3, using the following labels:

Metamorphic rock

cooling & crystallisation

sediments



Google.com

[3]

- (ii) Differentiate between igneous and metamorphic rocks.

Igneous rocks	Sedimentary rocks
(a)	(a)
(b)	(b)

[4]

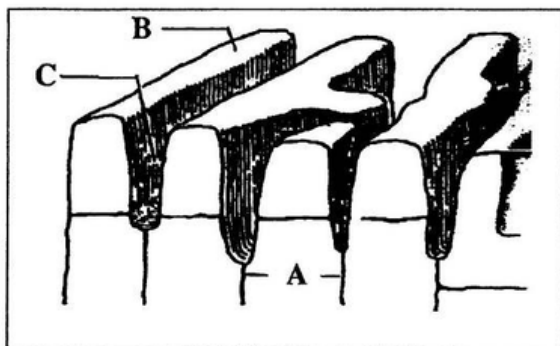
(iii) State **THREE** examples of sedimentary rocks.

[3]

(b) (i) "Limestone is a valuable resource". Explain **THREE** uses of limestone rocks.

[6]

(ii) Fig 4 shows a weathered limestone structure. Name the features labelled A, B, C.



A _____

B _____

C _____

[3]

- (c) (i) List the type of weathering with the correct process in

Processes

Types of weathering

Freeze thaw

Hydrolysis

_____ [2]

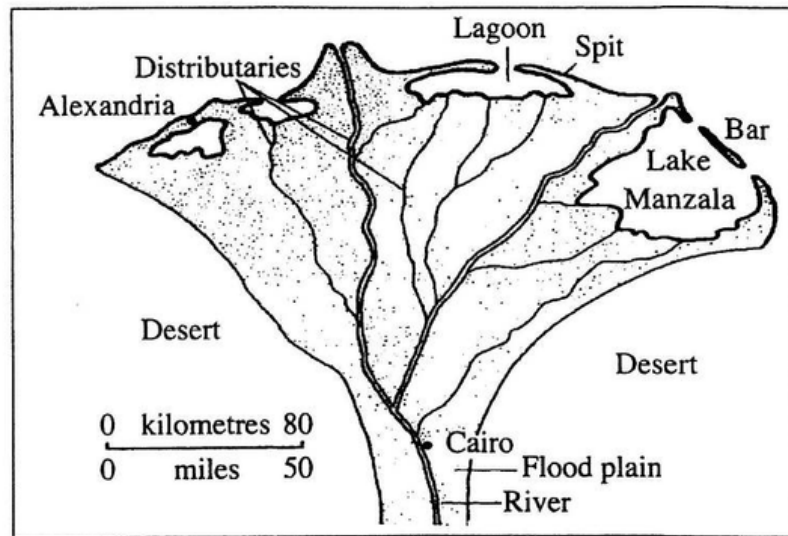
- (ii) Explain the following:

Solution weathering:

Onion Peeling:

[4]

6. (a) Fig 5 shows a delta.



General Geography in Diagrams – R. Bunnet

- (i) Describe the shape of the delta shown above.

[2]

- (ii) In each of the following areas, give **ONE** named example of a delta.

World: _____

Caribbean: _____

[2]

- (b) Explain the formation of a delta.

[6]

- (c) Read the following article on deltas.

“Deltas are very useful to man. In Egypt many people engage in various human activities on deltas. Farming is especially common. Farmers cultivate rice, fruits, vegetables and wheat.”

(New wider World, Punnett & Rae, 2003)

Discuss **TWO** advantages and **TWO** disadvantages of deltas.

[4]

- (d) (i) Explain the difference between a cuspate delta and a bird's foot (digit eight).

[4]

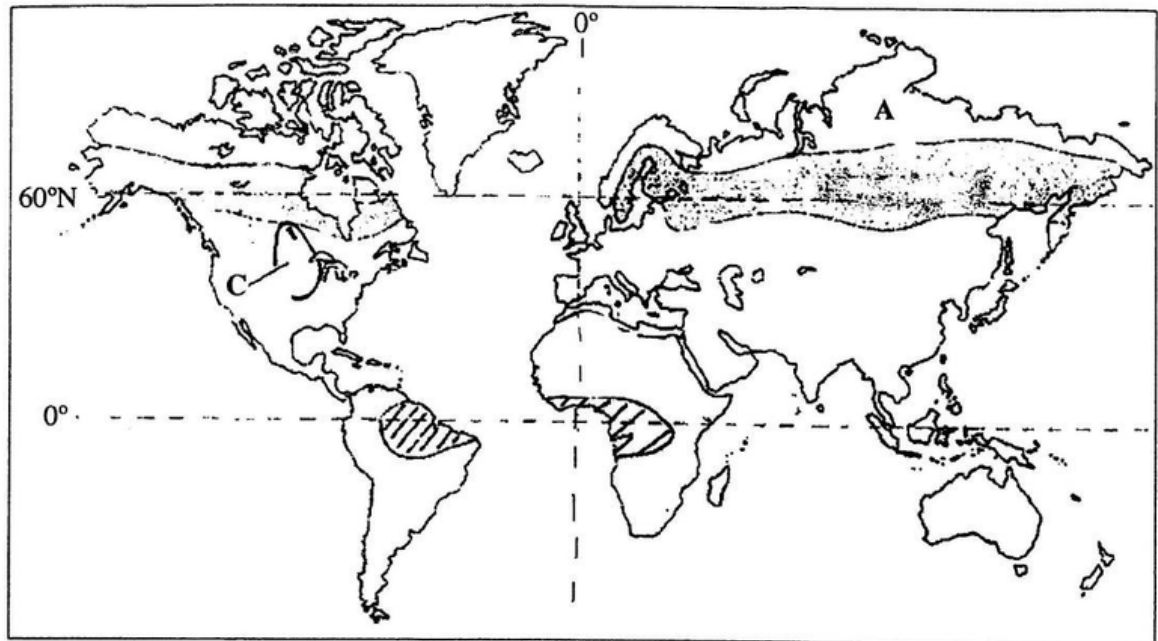
- (ii) In what stage of the river will most deltas form?

_____ [1]

- (iii) Explain **THREE** ways in which rivers may be useful.

_____ [6]

7. Study the Map of the World showing Natural Vegetation.



- (a) Name the type of natural vegetation in the regions labelled A and C.
- (i) A _____ (ii) B _____ [2]
- (b) Explain **THREE** ways in which the vegetation of the Coniferous Forest adapts to the climatic conditions of the region.

[6]

- (c) State **FOUR** ways in which forest ecosystems are of value to humans.

[4]

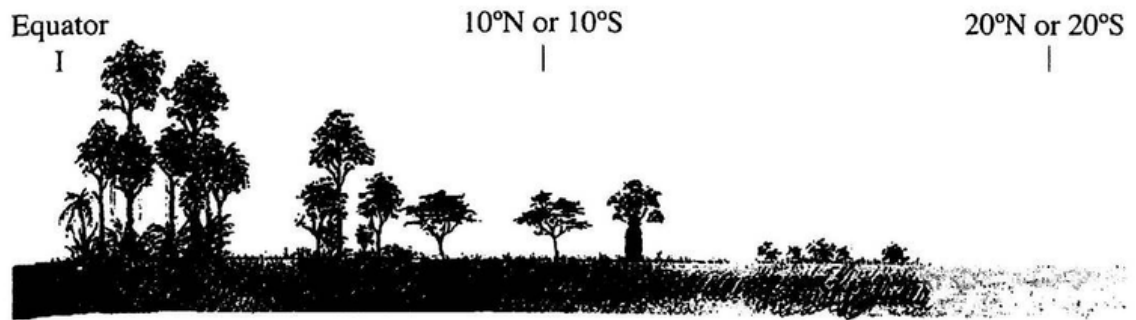
- (d) (i) What is meant by the term deforestation?

[1]

- (ii) "Despite the devastating effects of deforestation, it continues to take place." Explain why this occurs.

[2]

(iii) Figure 6 shows changes in vegetation.

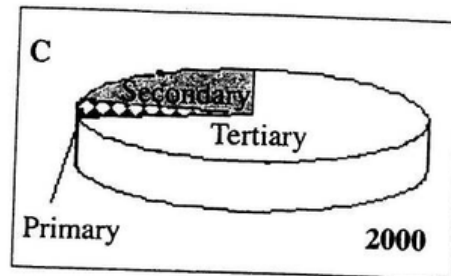
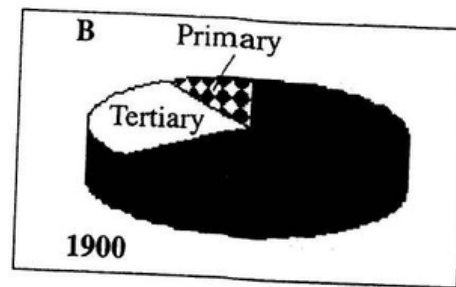
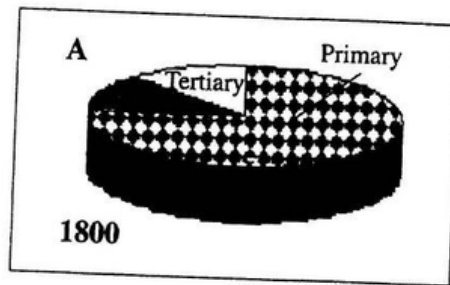


Describe **TWO** ways in which the vegetation shown changes from its humid margin to its arid margin.

[4]

(iv) Outline **TWO** effects of deforestation and list **TWO** solution measures.

8. (a) The Pie Graphs below show Employment Structures.



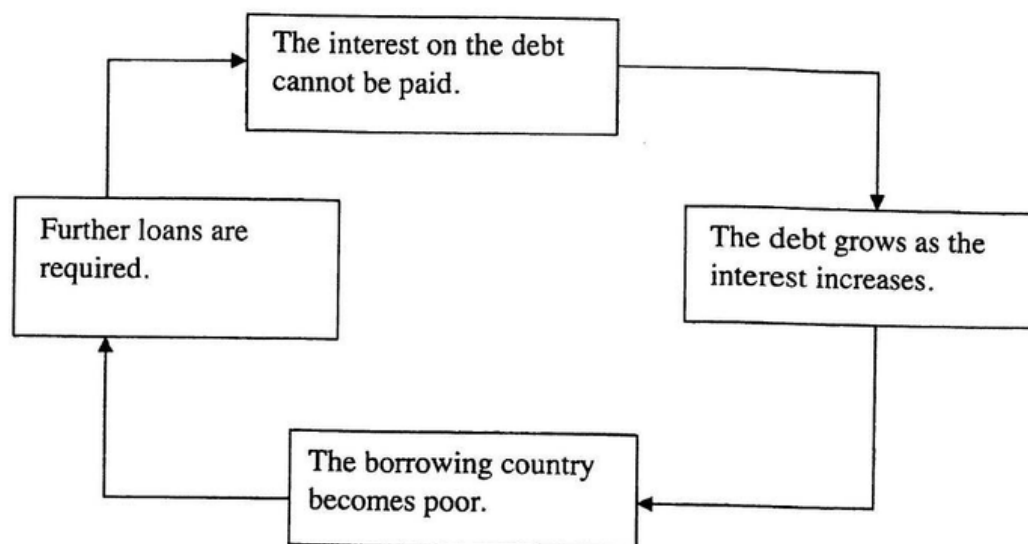
- (i) Which diagram is most representative of The Bahamas' employment structure?

_____ [1]

- (ii) Describe the differences that occurred in each category of employment over the years 1800–2000.

_____ [6]

(b) Fig 7 shows a Cycle of Debt.



(i) How does the cycle in the diagram affect a poor country's growth and development?

[3]

(ii) What **TWO** suggestions could be made to prevent poor countries from falling into this vicious cycle of debt?

[2]

- (c) (i) What does the abbreviation GNP mean?

_____ [1]

- (ii) Explain **TWO** ways (for each factor) in which having a high GNP affects a country in each of the following ways:

Socially:

_____ [4]

Economically:

_____ [4]

- (iii) What is the relationship between countries that have the majority of their population working in the primary sector and their GNP?

[2]

- (iv) What is the informal sector of the economy and give **ONE** example.

[2]