AFFIX SEAL HERE

CANDIDATE – PLEASE NOTE!

You must sign below and return this booklet with the Answer Sheet. Failure to do so may result in disqualification.

Signature

TEST CODE **000251**

FORM TP 2387

MAY/JUNE 2003

CARIBBEAN EXAMINATIONS COUNCIL

SECONDARY EDUCATION CERTIFICATE EXAMINATION

GEOGRAPHY

Paper 01 – General Proficiency

75 minutes

04 JUNE 2003 (p.m.)

READ THE FOLLOWING DIRECTIONS CAREFULLY

1. In addition to this test booklet, you should have an answer sheet.

2. Each item in this test has four suggested answers lettered (A), (B), (C), (D). Read each item you are about to answer and decide which choice is best.

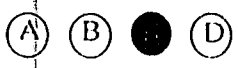
3. On your answer sheet, find the number which corresponds to your item and blacken the space having the same letter as the answer you have chosen. Look at the sample item below.

Sample Item

Hurricanes in the Caribbean area are MOST likely to occur during

(A) February - April
(B) April - June
(C) July - September
(D) October - February

Sample Answer



The best answer to this item is "July - September", so you should blacken answer space (C)

4. If you want to change your answer, be sure to erase your old answer completely and fill in your new choice.

5. When you are told to begin, turn the page and work as quickly and as carefully as you can. If you cannot answer an item, omit it and go on to the next one. You can come back to the harder item later. Your score will be the total number of correct answers.

6. This test consists of 60 items. You will have 75 minutes to answer them.

7. Do not be concerned that the answer sheet provides for more answers than there are items in this test.

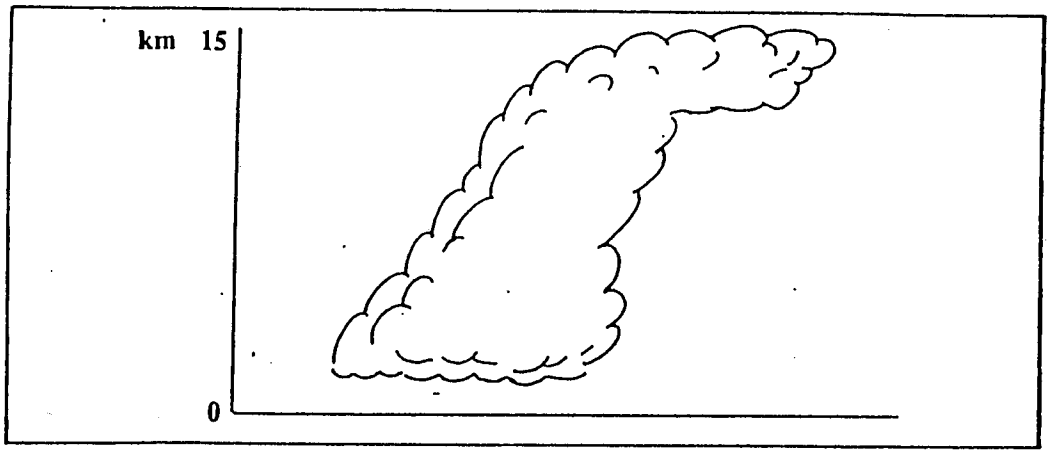
8. The use of silent electronic calculators is allowed.

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DO NOT TURN THIS PAGE UNTIL YOU ARE TOLD TO DO SO

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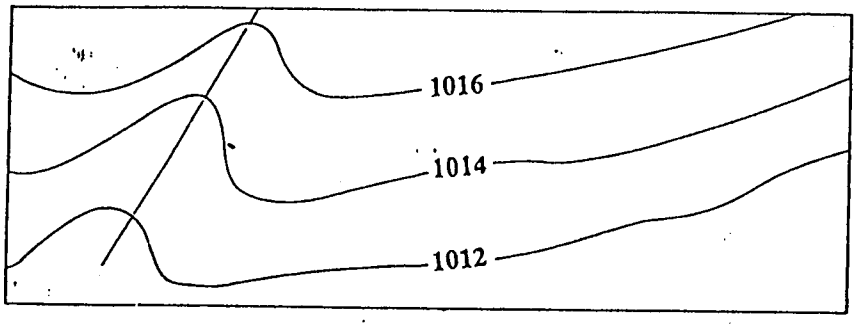
Item 1 refers to the diagram below.



1. The cloud type shown above is

(A) cirrus
(B) cumulonimbus
(C) cumulus
(D) cirrocumulus

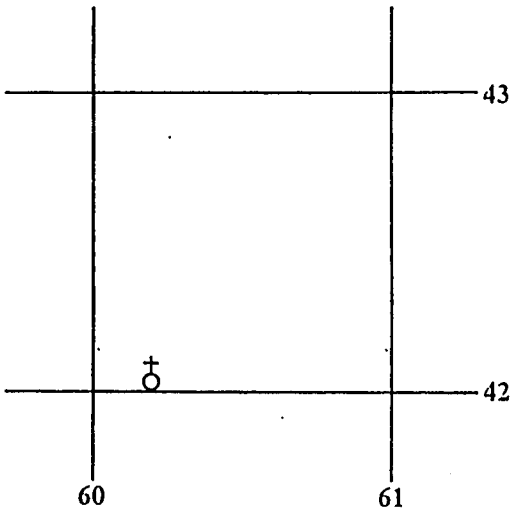
Item 2 refers to the following weather symbol.



2. The weather symbol shown above is

(A) an easterly wave/tropical wave
(B) a cold front
(C) a hurricane
(D) the ITCZ

Items 3 - 4 refer to the following grid.



3. What is the six-figure grid reference for the symbol (♁) shown on the grid above?

(A) 604431
(B) 602420
(C) 431604
(D) 420602

4. The symbol (♁) in the grid above represents a

(A) school
(B) clock-tower
(C) church
(D) post office

5. Which of the following is NOT associated with folding?

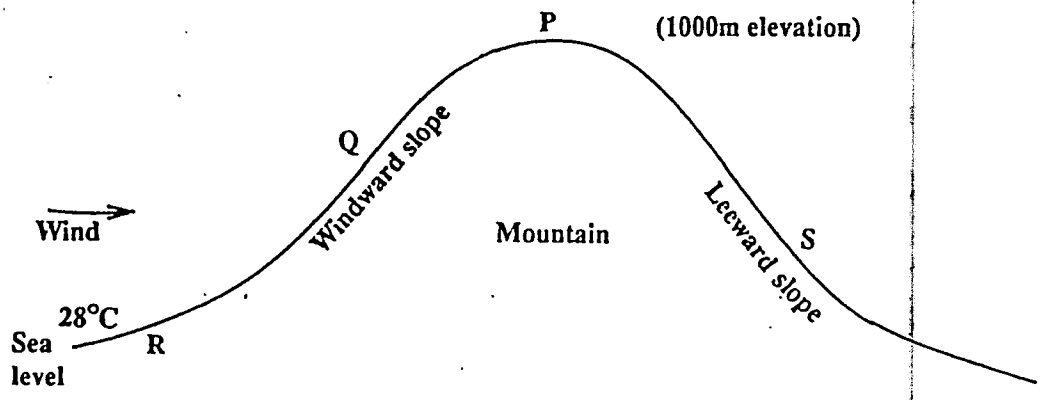
(A) Creation of mountain ranges such as the Alps and Himalayas
(B) Nappes
(C) Anticlines
(D) Horsts block mountains

6. Which of the following may cause marine pollution?

I. Sewage
II. Oil spills
III. Deforestation
IV. Industrial waste

(A) I and II only
(B) II, III and IV only
(C) I, II and III only
(D) I, II, III and IV

Items 7 - 9 refer to the diagram below.



7. The temperature at the top of the mountain would most likely be

(A) 26°C
(B) 22°C
(C) 32°C
(D) 30.3°C

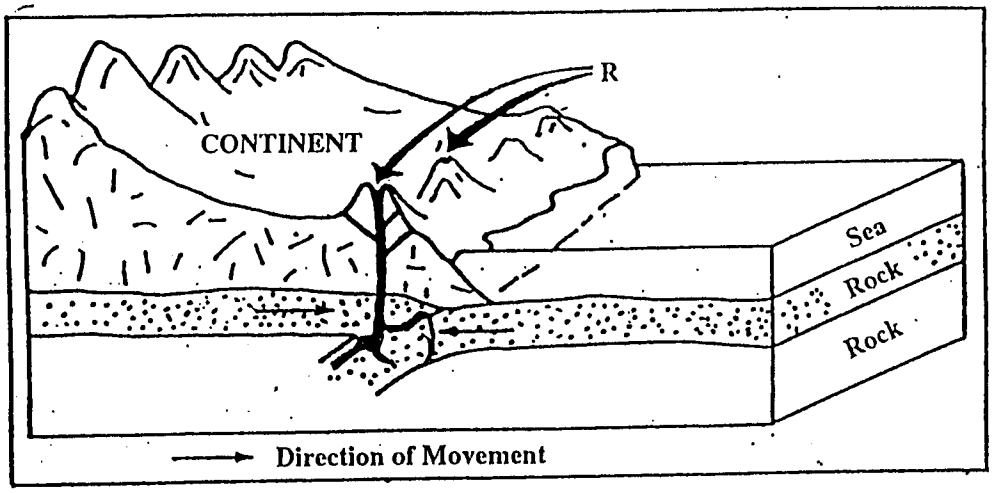
8. The main factor responsible for the difference in temperature between places P and R is

(A) altitude
(B) latitude
(C) cloud cover
(D) distance from the sea

9. From the diagram above, which of these statements is MOST LIKELY to be true?

(A) Place P will receive more rainfall than place S.
(B) Place S will receive more rainfall than place Q.
(C) Place R and P will receive the same amount of rainfall.
(D) Place Q will receive less rainfall than place R.

Items 10 – 11 refer to the diagram below.



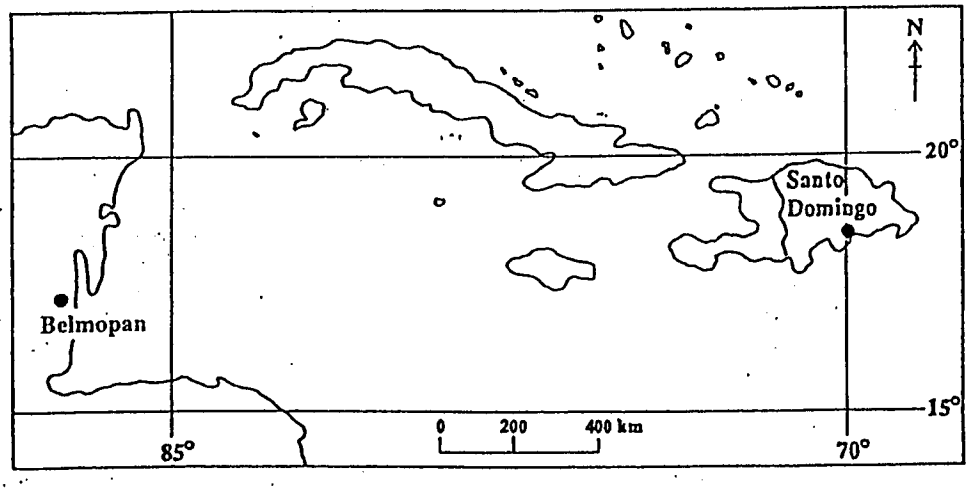
10. The plate margin shown is

(A) conservative
(B) creative
(C) convergent
(D) convectional

11. The features shown at R are

(A) volcanoes
(B) fold mountains
(C) block mountains
(D) a volcanic island arc

Items 12 – 13 refer to the following map of the Caribbean.



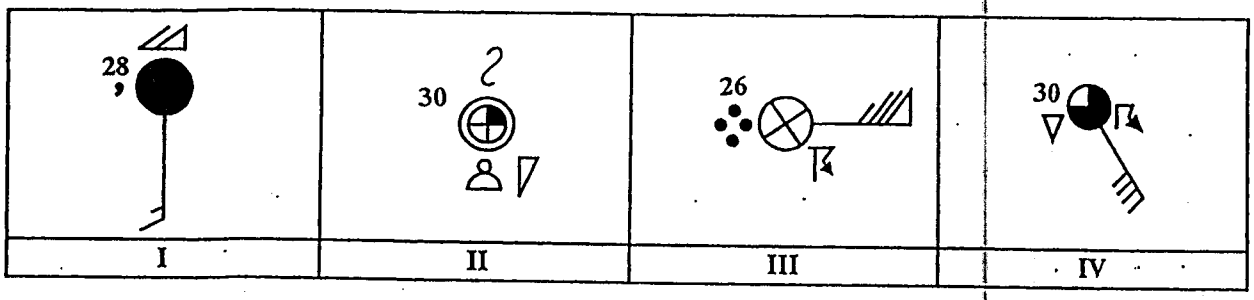
12. Belmopan is located nearest to

(A) 17° South, 88° West
(B) 17° North, 88° West
(C) 18° South, 85° West
(D) 18° North, 88° East

13. If the time at Belmopan is 3.00 p.m., what is the time at Santo Domingo?

(A) 4.00 p.m.
(B) 2.00 p.m.
(C) 4.00 a.m.
(D) 2.00 a.m.

Items 14 - 15 refer to the following diagrams of station models.



14. $\frac{3}{8}$ cloud cover, cirrocumulus, cumulus clouds and past showers.

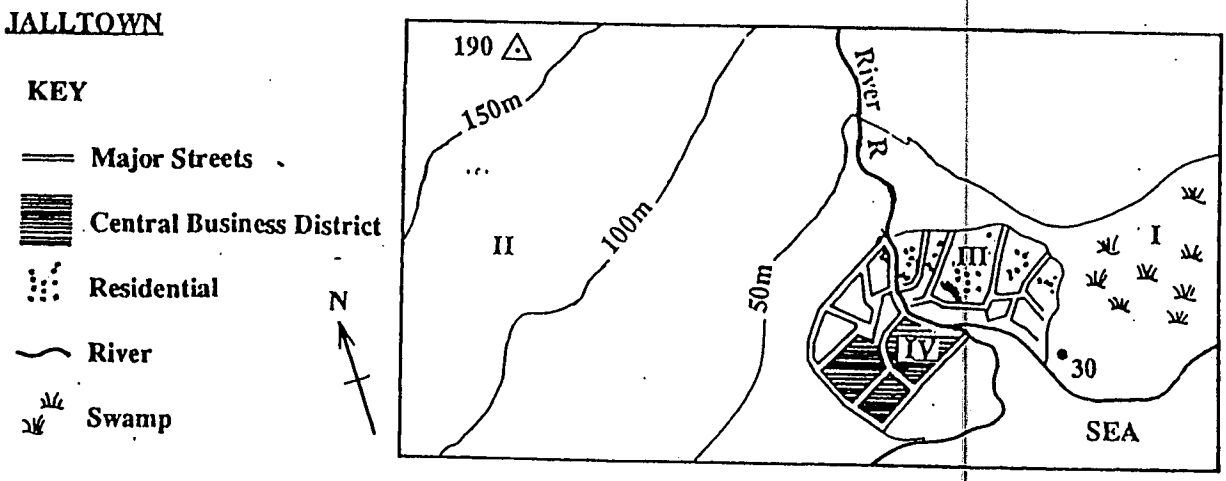
Which of the station models illustrated BEST represents the above weather conditions?

(A) I
(B) II
(C) III
(D) IV

15. The windspeed indicated on the station model in the diagram labelled III above is approximately

(A) 50 knots
(B) 65 knots
(C) 70 knots
(D) 75 knots

Items 16 - 17 refer to the following map extract at a scale of 1 : 100 000



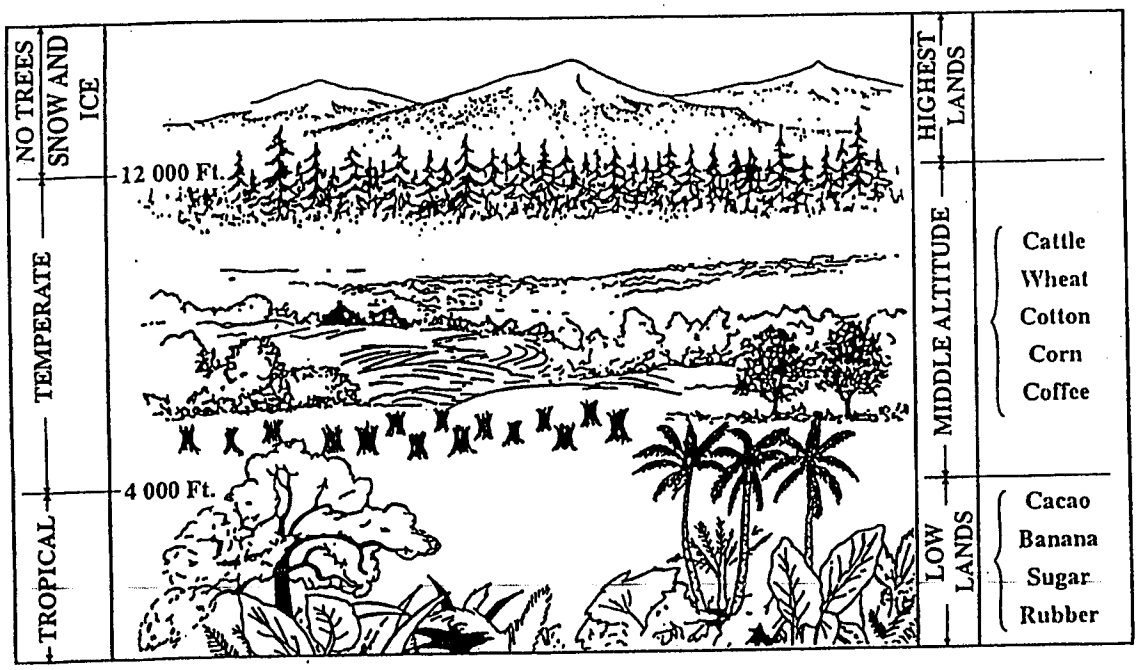
16. Where would the land value be highest on the map extract?

(A) I
(B) II
(C) III
(D) IV

17. What is the gradient of the slope from the spot height (•30) to the trigonometrical point (190)?

(A) 1 in 5
(B) 1 in 50
(C) 1 in 500
(D) 1 in 5 000

Item 18 refers to the following diagram which shows climate, products and vegetation with increasing height above sea level in the tropics.



18. Which of the following BEST describes the conditions illustrated in the diagram above?

(A) Near the equator, climates and products vary according to altitude.
(B) The area near to the equator has many mountains.
(C) Few products are grown in temperate regions.
(D) Vegetation is more abundant in the highland areas than in the lowland areas.

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19. Where in the Caribbean will elfin woodland be found?

(A) In the hot, wet lowlands or plains
(B) On the windward side of mountains
(C) At altitudes of over 2,000 m above sea level
(D) In very dry places such as in the 'rain shadow' of mountains

20. Which of the following factors have influenced the development of dairying in the Caribbean?

I. High quality breed of animals
II. Increasing imports of cattle feed
III. Establishment of milk processing plants
IV. Improved quality of grass

(A) I, II and III only
(B) I, II and IV only
(C) I, III and IV only
(D) II, III and IV only

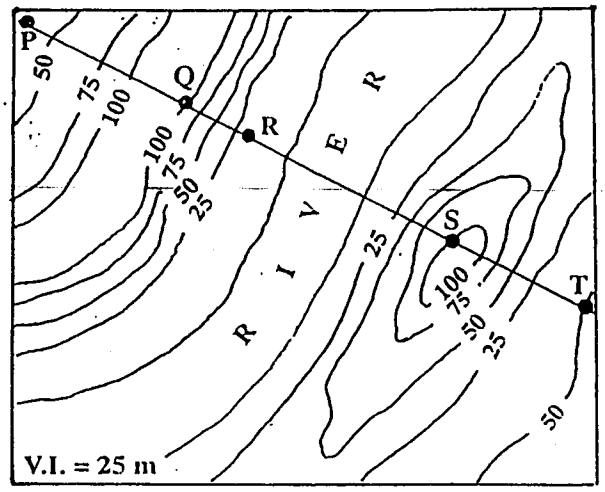
21. Which of the following aspects of wind is measured by a wind vane?

(A) Direction
(B) Height
(C) Speed
(D) Force

22. Which of the following elements of climate does the Six's thermometer measure?

(A) Air pressure
(B) Cloud cover
(C) Temperature
(D) Humidity

Items 23 - 24 refer to the following contour map.



23. Which of the following pairs of points is intervisible according to the contour map above?

(A) P and T
(B) Q and S
(C) P and S
(D) Q and T

24. Between which of the following pairs of points is the steepest gradient?

(A) P and Q
(B) R and S
(C) Q and R
(D) S and T

Items 25 - 27 are based on the following table which shows annual rainfall and temperature figures for a certain location.

Months	J	F	M	A	M	J	J	A	S	O	N	D
Temp (°C)	26	26	26	27	28	27	25	25	25	26	26	27
Rainfall (mm)	155	160	225	275	210	125	100	150	180	260	250	210

25. The annual temperature range shown above is

(A) 2°C
(B) 3°C
(C) 25°C
(D) 27°C

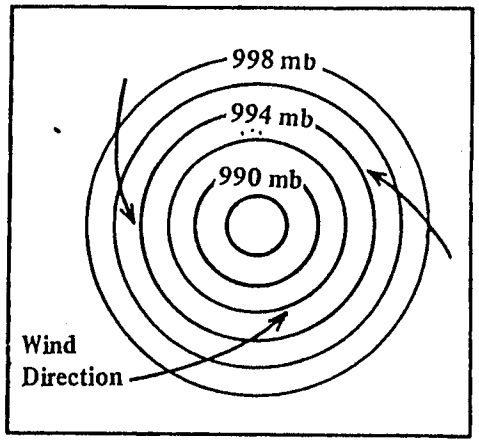
26. The rainfall distribution may be described as

(A) rain throughout the year
(B) rain only in the cooler season
(C) rain only in the warmer season
(D) no variation in the rainfall from one month to the next

27. The climatic type shown above is known as

(A) Tropical Continental
(B) Tropical Marine
(C) Equatorial
(D) Cool Temperate Interior

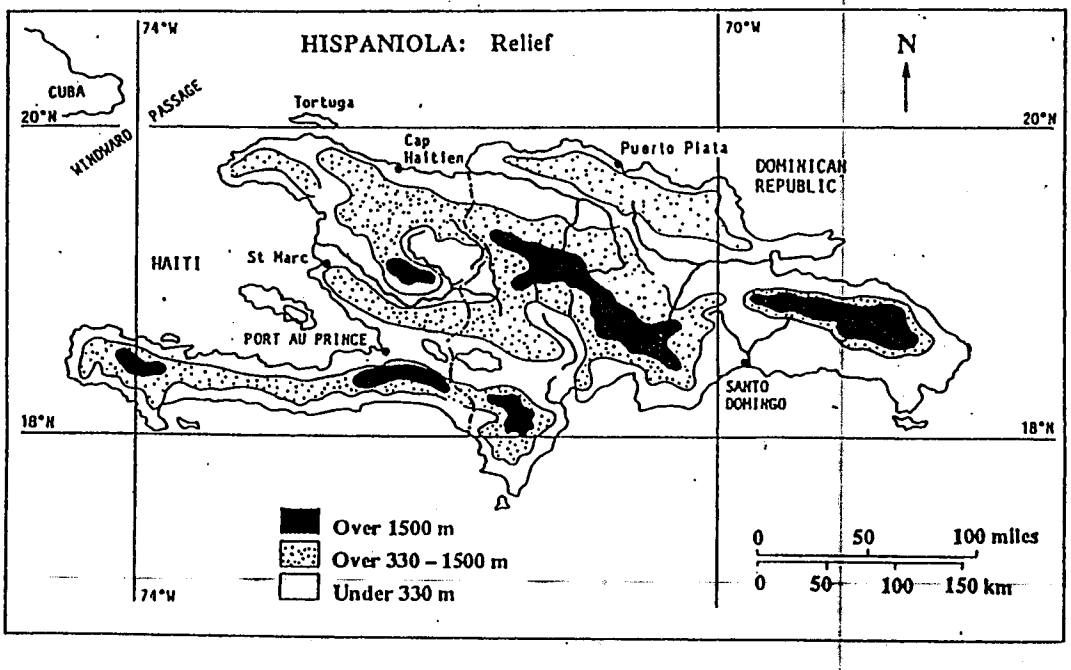
Item 28 refers to the following diagram.



28. The diagram above shows that winds are blowing

(A) inwards and anti-clockwise towards a high pressure centre
(B) outwards and clockwise towards a low pressure system
(C) inwards and anti-clockwise towards a low pressure centre
(D) outwards and clockwise towards a high pressure system

Items 29 - 30 refer to the following map.



29. An aircraft flying directly to Cap Haitien from Santo Domingo will travel approximately

(A) 185 km (116 miles)
(B) 270 km (169 miles)
(C) 300 km (188 miles)
(D) 380 km (237 miles)

30. Which of the following pairs of towns is located at approximately the same latitude?

(A) St. Marc and Santo Domingo
(B) Port-Au-Prince and Santo Domingo
(C) Port-Au-Prince and Cap Haitien
(D) St. Marc and Cap Haitien

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31. Which of the following sources of energy is LEAST likely to harm the environment?

(A) Gasolene
(B) Kerosene
(C) The sun
(D) Natural gas

32. Which of the following is NOT a feature of Equatorial Forests?

(A) Evergreen, dense and of a great variety
(B) Trees of different heights forming layers
(C) Vast tracts and stands of softwoods
(D) Little undergrowth and numerous climbing plants

GO ON TO THE NEXT PAGE

33. Which of the following are ways by which man has modified the natural environment?

I. Industrial development
II. Arable farming
III. Rearing of animals
IV. Mining

(A) I and II only
(B) III and IV only
(C) II, III and IV only
(D) I, II, III and IV

34. For which of the following industries is an abundant and cheap supply of electricity MOST important?

(A) Aluminium processing
(B) Clothing and textiles
(C) Basket weaving
(D) Food processing

35. When the speed of a river slackens, the material that is first deposited from its total load is

(A) silt
(B) sand
(C) pebbles
(D) boulders

36. 'Denudation' is BEST defined as the

(A) transportation of eroded material by rivers
(B) process of soil creep downhill by the pull of gravity
(C) wearing away of the land
(D) action of frost on exposed rocks in temperate regions

37. A river gorge MAY be formed as a result of the

(A) erosion of alternate bands of hard and soft rock
(B) river deepening its bed on its course downstream
(C) increasing volume of the river on its course downstream
(D) deposition of material from erosion upstream

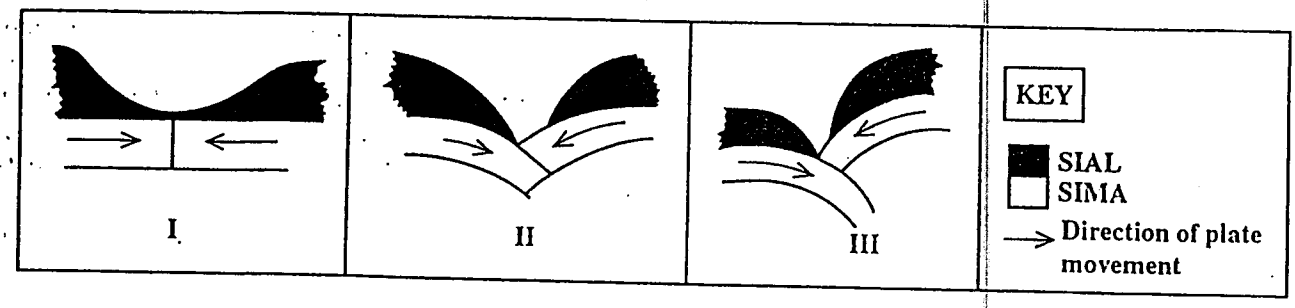
38. Which of the following statements is NOT true of commercial arable farming on the Prairies of Canada?

(A) Farms are usually large and devoted to the cultivation of one type of crop.
(B) The yield per acre is low but overall production is very high.
(C) The farms usually require a large labour force.
(D) Heavy machinery and good management are required for success.

39. Which of the following is MOST likely to cause gully erosion?

(A) Deforestation of hill slopes
(B) The practice of monoculture
(C) Overgrazing of pastures
(D) Overcropping of farmlands

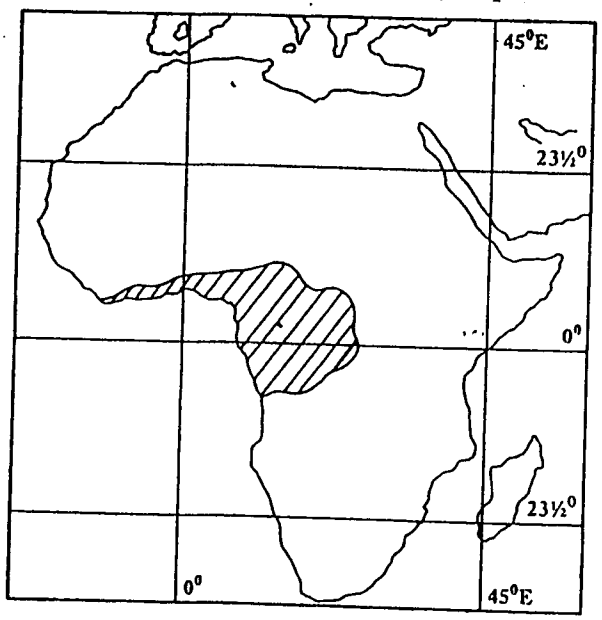
Item 40 refers to the following series of diagrams.



40. The sequence of plate movements above is MOST likely to result in the formation of

(A) cuestas
(B) fault scarps
(C) clay vales
(D) fold mountains

Item 41 refers to the following map.



41. Which of the following climatic types is MOST likely to be experienced in the area shaded /// on the map above?

(A) Equatorial
(B) Tropical Marine
(C) Tropical Continental
(D) Tropical Monsoon

42. Which of the following would have its HIGHEST population density in the daytime?

(A) A squatter settlement
(B) A rural fishing village
(C) A suburban residential area
(D) An urban commercial centre

43. The temperature suddenly drops and wind speed increases; the sky gradually becomes overcast and there is a slight drizzle.

What type of weather system is described above?

(A) Cold front
(B) Easterly wave/tropical wave
(C) Hurricane
(D) Inter-tropical convergence zone

44. The term 'soil texture' refers to

(A) grain size
(B) humus content
(C) water content
(D) living organisms

45. The rearing of animals mainly for meat and hides is BEST described as

(A) dairy farming
(B) livestock farming
(C) mixed farming
(D) arable farming

46. The main function of MOST Central Business Districts of Caribbean cities is

(A) commercial
(B) manufacturing
(C) recreational
(D) residential

47. Which of the following areas experience a Tropical Marine Climate?

(A) South-West Australia and South-West Africa
(B) Brazilian Highlands and Northern Australia
(C) South China and Northern Australia
(D) Jamaica and coastal Central America

48. Which of the following explains why fresh flowers must be exported by air?

(A) Flowers are light in weight.
(B) Air transport prevents loss of colour.
(C) Flowers are expensive to produce.
(D) Flowers are perishable products.

49. Which of the following statements does NOT apply to the forests of the Caribbean region?

(A) Trees prevent soil erosion.
(B) Wooded areas help to conserve the water supply.
(C) Forests are major suppliers of pulp to the paper industries
(D) Forests provide a valuable source of timber.

50. Hurricanes are very damaging to low-lying coastal areas such as around bays and gulfs mainly because of the

(A) flooding brought on by storm surges
(B) heavy rainfall such as 250 mm in four days
(C) strong winds reaching speeds of up to 300 km per hour
(D) flat lands which cannot act as a barrier for the hurricane

51. Which of the following resources can be considered non-renewable?

(A) Off-shore fisheries
(B) Water
(C) Bauxite
(D) Mahogany trees

52. Which of the following relief features is a result of plate tectonic activity in the Caribbean?

(A) Rupununi Savannas - Guyana
(B) Soufrière - St. Vincent
(C) Aripo Plains - Trinidad
(D) Palisadoes Spit - Jamaica

53. Which of the following species of trees is NOT native to the Caribbean?

(A) Mahogany
(B) Greenheart
(C) Purpleheart
(D) Teak

54. Which of the following are methods used by Caribbean governments to improve farming in the Region?

I. Providing more land to small farmers for food production
II. Providing loans for the purchase of fertilisers and machinery
III. Encouraging food processing to supply the local and regional markets
IV. Exposing the farmers to improved methods of farming

(A) I and II only
(B) II, III and IV only
(C) III and IV only
(D) I, II, III and IV

55. In an anticyclone very little rainfall occurs MAINLY because the

(A) winds are very weak
(B) air is drifting downwards
(C) pressure gradient is gentle
(D) temperature is low

56. Plants which are adapted to living in dry conditions are referred to as

(A) epiphytes
(B) lianas
(C) parasites
(D) xerophytes

57. Which of the following factors are MOST likely to result in urban growth in the Caribbean?

I. Urban to rural migration
II. Rural to urban migration
III. High death rate and low birth rate
IV. Low death rate and high birth rate

(A) I and IV only
(B) I and III only
(C) II and III only
(D) II and IV only

58. The natural increase of a population is a result of

(A) higher birth rate than death rate
(B) lower birth rate than death rate
(C) net immigration
(D) net emigration

59. Agriculture which involves the periodic cutting and burning of vegetation is termed

(A) nomadic farming
(B) dry farming
(C) subsistence farming
(D) shifting cultivation

60. Which of the following factors have influenced the location of MOST port cities in the Caribbean?

I. Lowland
II. A good harbour
III. Accessibility to the interior
IV. The prevailing winds

(A) I and IV only
(B) II and III only
(C) I, II and IV only
(D) I, II, III and IV only

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