GEOGRAPHY

Paper 01 - General Proficiency

75 minutes

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 mark the letter which corresponds to 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.

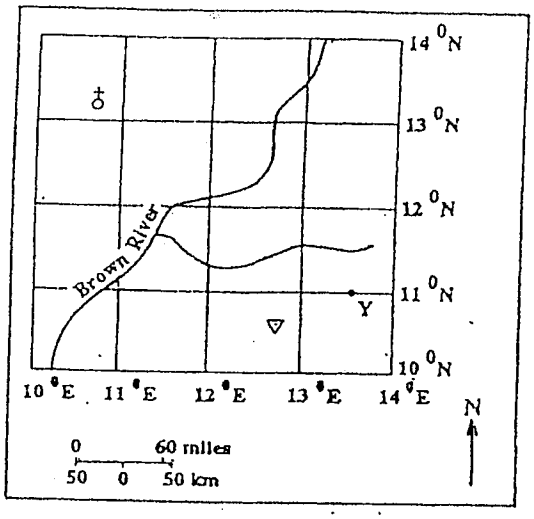
6. This test consists of 60 items. You will have 75 minutes to answer them.

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

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

(2001)

Items 1 - 4 refer to the following map.



1. Point Y is located at

(A) 13°N 11° 30'E
(B) 14°N 13° 30'E
(C) 11°N 13° 30'E
(D) 13°N 10° 30'E

2. The Brown River is flowing from the

(A) North-west to south-south-east
(B) North-east to south-west
(C) West-south-west to east-south-east
(D) North-east to south-east

3. The bearing of the trigonometrical station from the church is

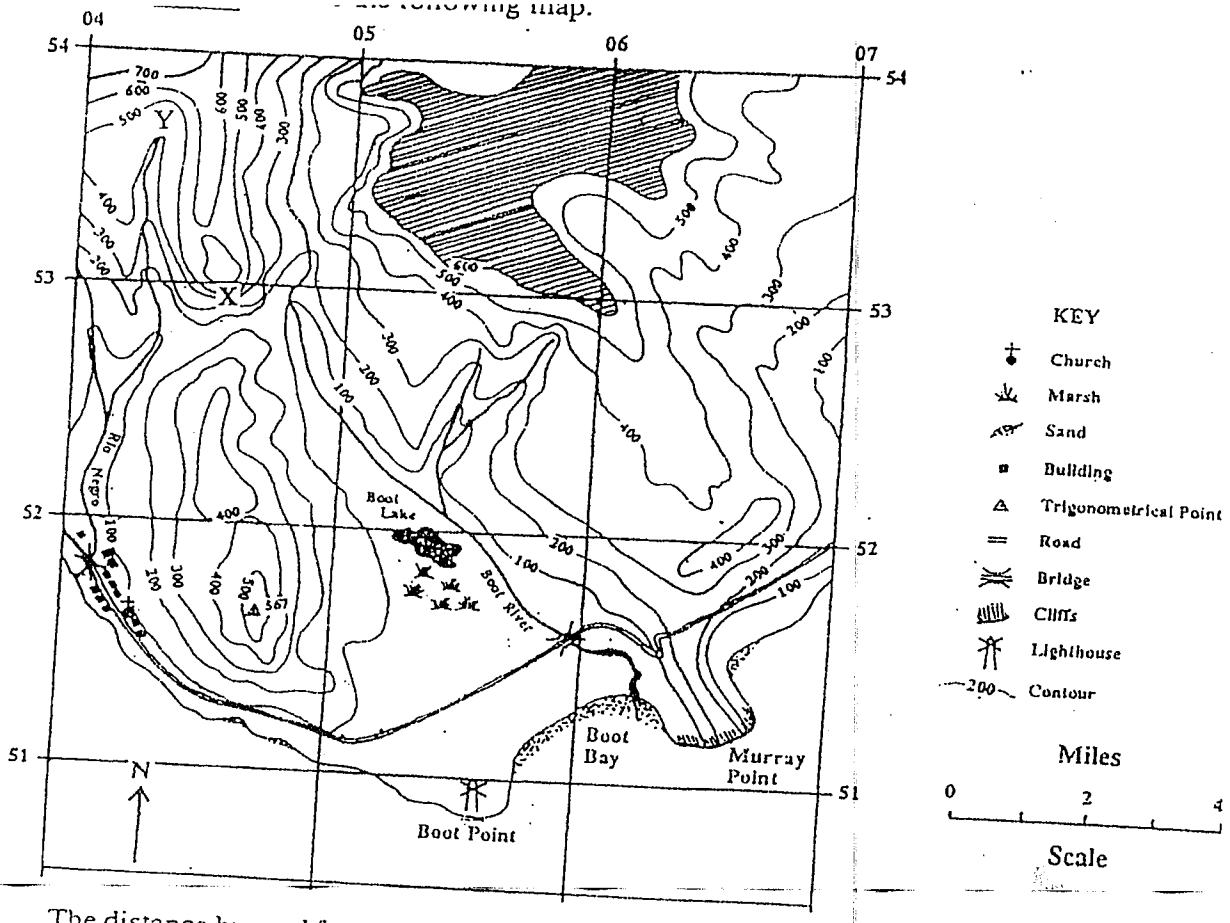
(A) 30°
(B) 45°
(C) 160°
(D) 340°

4. The length of the tributary of the Brown River is approximately

(A) 480 km (300 miles)
(B) 320 km (200 miles)
(C) 290 km (180 miles)
(D) 250 km (150 miles)

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the following map.



5. The distance by road from the bridge over Boot River to the church in the village is approximately

(A) 4 miles
(B) 6 miles
(C) 8 miles
(D) 10 miles

6. The feature at grid reference 047516 is a

(A) church
(B) road bridge
(C) beach
(D) trig point

7. The coastal area at Boot Bay contains

(A) cliffs
(B) marshland
(C) a coral reef
(D) a sand beach

8. The area shaded on the map represents a

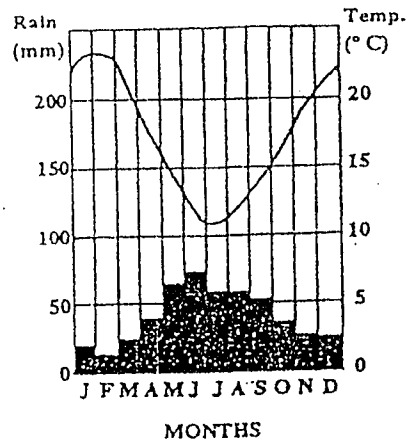
(A) volcano
(B) plateau
(C) plain
(D) valley

9. The land at Murray Point ends in a

(A) cliff
(B) beach
(C) harbour
(D) marsh

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Items 10 - 12 refer to the following rainfall and temperature graph.



10. The two wettest months of the year for the station shown above are

(A) January and February
(B) May and June
(C) July and August
(D) November and December

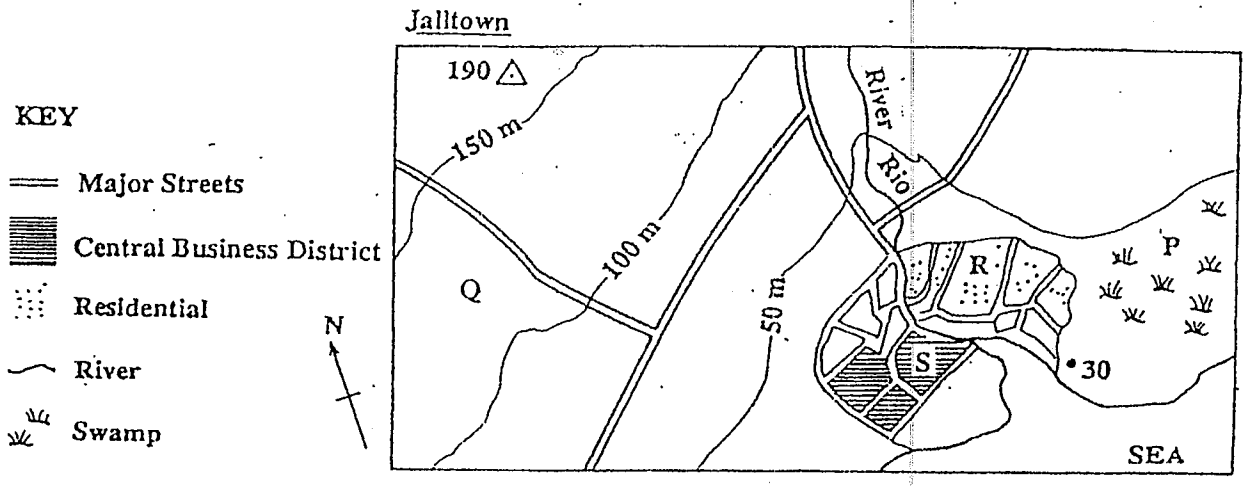
11. The annual range of temperature is APPROXIMATELY

(A) 3°C
(B) 5°C
(C) 12°C
(D) 19°C

12. Which of the following statements is true?

(A) The hottest months of the year are also the driest.
(B) The hottest months of the year are also the wettest.
(C) There is little variation in temperature throughout the year.
(D) There is little variation in rainfall throughout the year.

Items 13 - 15 refer to the following map extract at a scale of 1 : 100 000.



13. Which of the following are the BEST reasons for the location of Jalltown?

I. It is on flat land.
II. It has a supply of fresh water.
III. It is near to the swamp.
IV. It is on the sea coast.

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

14. A person looking for a house to buy is BEST advised to search in area

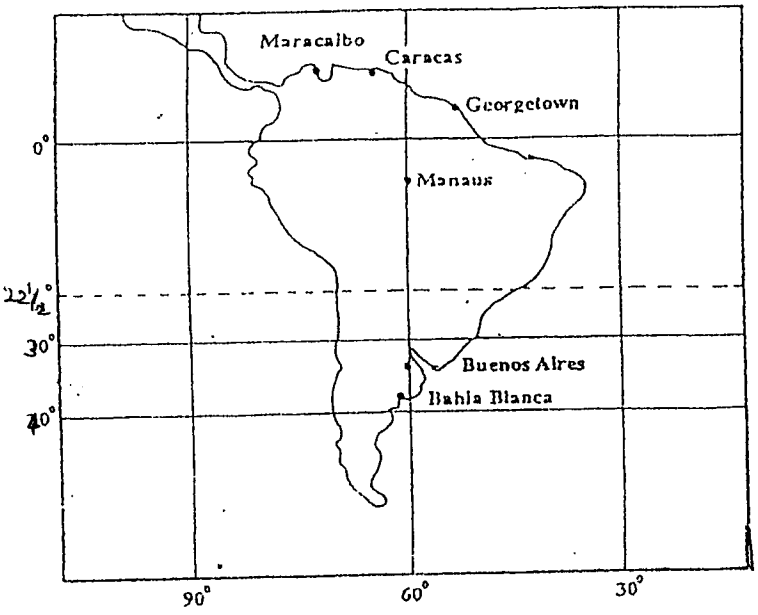
(A) P
(B) Q
(C) R
(D) S

15. What is the general direction of flow of the river shown above?

(A) North to south
(B) South to north
(C) East to west
(D) West to east

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Items 16 - 18 refer to the following map.



16. Bahia Blanca is located at

(A) 33°S 61°W
(B) 35°S 60°W
(C) 36°S 60°W
(D) 38°S 61°W

17. Which town is located at approximately 10°N 67°W?

(A) Manaus
(B) Caracas
(C) Maracaibo
(D) Georgetown

18. What is the time in St Petersburg, Russia (30° E) when it is 7.00 p.m. on Monday in Philadelphia, USA (75° W)?

(A) 12.00 noon Monday
(B) 3.00 a.m. Tuesday
(C) 3.00 p.m. Monday
(D) 2.00 a.m. Tuesday

19. In what section of a river's course can gorges be found?

(A) Upper
(B) Middle
(C) Old Age
(D) Late

20. Which of the following is NOT a true statement about waves?

(A) They are caused by wind blowing over the surface of the water.
(B) On nearing the beach the speed of waves slackens and the tops are thrown forward.
(C) The body of water forming the waves increases rapidly as it approaches the coast.
(D) The stronger the wind and the greater the fetch, the more powerful the waves are.

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21. Fold mountains form at plate boundaries that are?

(A) Coming together
(B) Sliding past
(C) Pushing together
(D) Rifting

22. Which of the following is not a limestone feature?

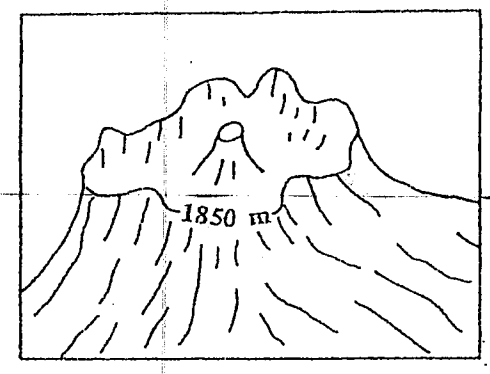
(A) Stalactites
(B) Swallow hole
(C) Pillar
(D) Laccolith

23. At a divergent plate boundary, the crustal plates

(A) move towards each other
(B) move apart from each other
(C) slide alongside each other
(D) sink one beneath the other

24. The raised portions of the earth produced by folding are known as

(A) graben
(B) grykes
(C) anticlines
(D) geosynclines

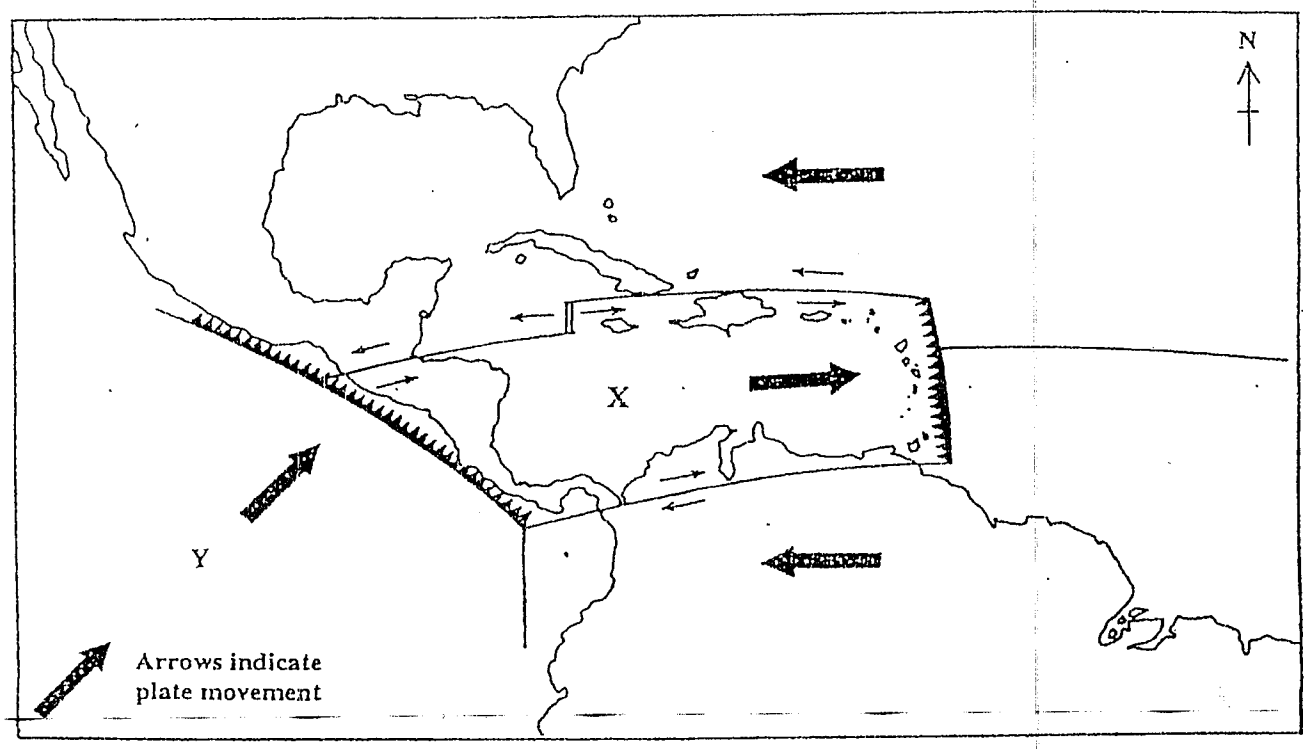


25. The diagram above represents a

(A) caldera
(B) shield volcano's cone
(C) lava plateau
(D) volcanic plug

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Items 26 - 28 are based on the following sketch map of a portion of the earth's tectonic plates.



26. The plate labelled Y is known as the

(A) American Plate
(B) Caribbean Plate
(C) Cocos Plate
(D) Pacific Plate

27. I. Convergence (Destructive)
II. Divergence (Constructive)
III. Transform (Conservative)

Which of the above describe(s) the northern boundary of Plate X?

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

28. I. Active volcanoes
II. Oceanic trench
III. Lava plateau

The eastern boundary of the Plate X is characterised by which of the above?

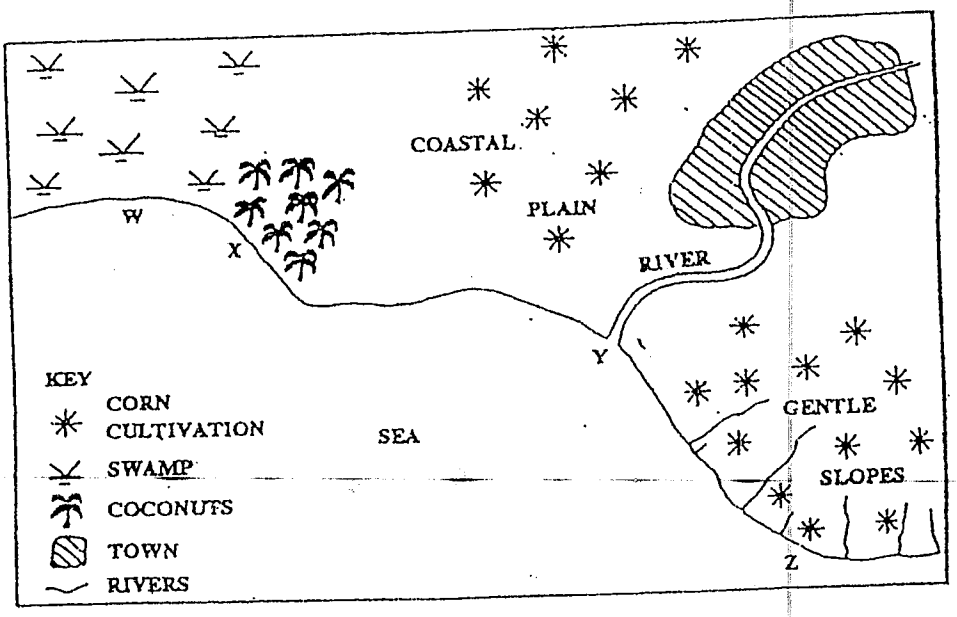
(A) I only
(B) I and II only
(C) II and III only
(D) I, II and III only

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29. A volcanic spine develops because

(A) the explosion is violent
(B) ash and cinder are ejected
(C) a caldera is present
(D) the lava is viscous

Items 30 - 32 are based on the sketch map below.



30. Water pollution is MOST likely to present a problem at

(A) W
(B) X
(C) Y
(D) Z

31. Which of the following factors is MOST likely to lead to a high level of water pollution along the coast shown above?

(A) The lack of tidal currents
(B) The dumping of waste in the river
(C) The flatness of the land
(D) The growing of corn on the slopes

32. Which of the following will control water pollution along the coast shown in the map above?

I. Treatment of sewage
II. Control of river erosion
III. Hygienic solid waste disposal
IV. Removal of swamp vegetation

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

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33. Which of the following practices may help to eliminate problems of pollution created by household waste?

(A) Dumping along water courses
(B) Burial and covering with soil
(C) Piling up in secluded spots
(D) Depositing in the sea

34. The weather system which is MOST likely to affect rainfall distribution in the Southern Caribbean is

(A) an easterly wave
(B) a cold front
(C) an anticyclone
(D) the ITCZ

35. Hot, wet equatorial climates are located

(A) 0° - 10° N and S
(B) 10° - 30° N and S
(C) 15° - 30° N and S
(D) 30°- 40° N and S

36. Which of the following BEST explain why the amount of solar energy received at the equator is greater than at the poles?

I. The equator is nearest to the sun.
II. The sun's rays have to pass through a thicker layer of atmosphere at the poles.
III. The sun's rays at the equator are usually direct, while at the poles they are usually slanting.

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

37. Which of the following is not a 'push' migration factor?

(A) Fewer and lower paying jobs
(B) Poor healthcare
(C) More services available
(D) Less educational opportunities

38. Recent hurricanes in the Caribbean have caused fewer deaths because

(A) the majority of the population goes to storm shelters
(B) many have occurred during the day
(C) families no longer live in unsafe areas
(D) there have been improved forecasts of hurricane tracks

39. I. Low pressure all the year around
II. High annual rainfall, mostly convectional
III. Small annual range of temperature
IV. High average daily temperature

Which of the following climatic types is characterised by all of the features described above?

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

40. Which of the following determines the presence of inorganic material in a soil?

(A) Vegetation
(B) Parent material
(C) Climate
(D) Relief

41. Which of the following BEST explains why some trees in the Caribbean lose all their leaves in one season of the year?

(A) To protect them from leaf-eating insects
(B) To protect them from excessive moisture loss
(C) To protect them from low temperatures
(D) To protect them from strong winds

42. Which combination best describes peasant farming?

I. Monoculture
II. Polyculture
III. Small farms less than 10 hectares
IV. Export oriented

(A) 1, 11 and 111
(B) 11, 111
(C) 1, 11 and 1V
(D) All of the above

43. Which of the following BEST describes the dominant trees of equatorial regions?

(A) Short trees with long roots
(B) Deciduous trees with thick trunks
(C) Tall trees with buttress roots
(D) Evergreen trees with slender leaves

44. Which of the following are ways by which natural vegetation adapts to climatic conditions?

I. Development of water-storage organs
II. Shedding of leaves during the dry season
III. Development of long roots
IV. Development of special types of leaves

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

45. Which of the following is true of lines of latitude?

(A) They meet at the north and south poles
(B) They are all great circles
(C) They run from east to west
(D) They can be used to calculate time

46. Which of the following BEST explain why peasant farmers in the Caribbean grow a variety of crops?

I. To reduce losses caused by pests and diseases
II. To maximise the use of small areas of land
III. To ensure steady income all year round
IV. To produce for the export market

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

47. Which of the following has NOT had adverse effects on agricultural development in the Caribbean?

(A) Lack of foreign markets
(B) Hurricanes and drought
(C) Soil erosion and infertility
(D) Plant pests and diseases

48. Which of the following statements is true of subsistence farming?

(A) Individual farms are quite small.
(B) Yields per farmer are generally high.
(C) Large amounts of fertilisers are used on the farm.
(D) Crop cultivation is not as important as animal rearing.

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49. 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

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

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

51. Which of the following is LEAST important in the location of a fishing industry?

(A) Adequate storage facilities
(B) A large labour force
(C) Adequate marketing facilities
(D) Nearness to the sea

52. Which of the following is the MAIN reason why flour mills in the Caribbean are situated on coastal locations?

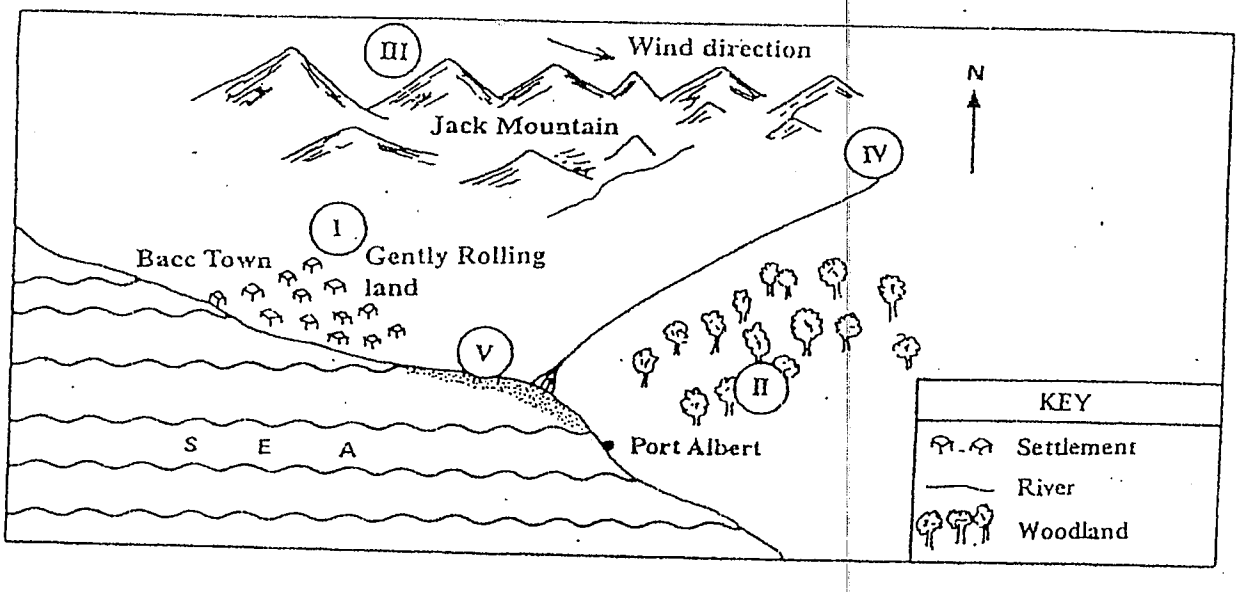
(A) Nearness to facilities for unloading raw materials
(B) Nearness to the waste disposal facilities
(C) Availability of cheap power supply
(D) Availability of cheap labour

53. Which of the following BEST explains why the most common manufacturing industry in the Caribbean is food processing?

(A) It is cheaper to produce than to import foods.
(B) Agricultural raw materials are readily available.
(C) A variety of mineral reserves is absent.
(D) It does not require the use of imported fuel.

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Items 54 - 55 are based on the following sketch map.



54. Which of the following would be the BEST area to locate a new factory in order to minimize the effects of air pollution?

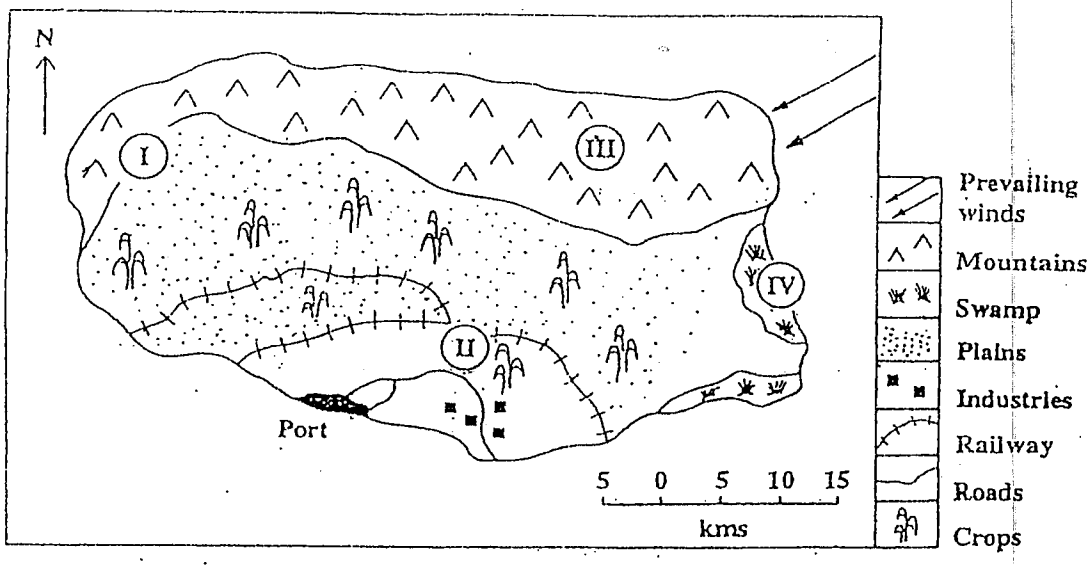
(A) I
(B) II
(C) III
(D) IV

55. Which area is MOST LIKELY to be developed as a tourist resort?

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

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Items 56 - 57 refer to the map below.



56. On which of the following would a large settlement MOST likely be developed?

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

57. What type of settlement pattern would MOST likely occur in the area shaded [^^^] in the map above?

(A) Linear
(B) Radial
(C) Nucleated
(D) Dispersed

58. The growth of population in urban areas is usually referred to as

(A) urbanization
(B) urban sprawl
(C) sub-urbanization
(D) population growth

59. Rapid urbanization in Caribbean countries USUALLY results in

(A) increased employment in the cities
(B) decreased foreign exchange earnings
(C) improvement in the standard of living
(D) housing shortages in the cities

60. Which is an example of air pollution?

(A) Mercury
(B) Smog
(C) Oil spill
(D) Fertilizer runoff

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