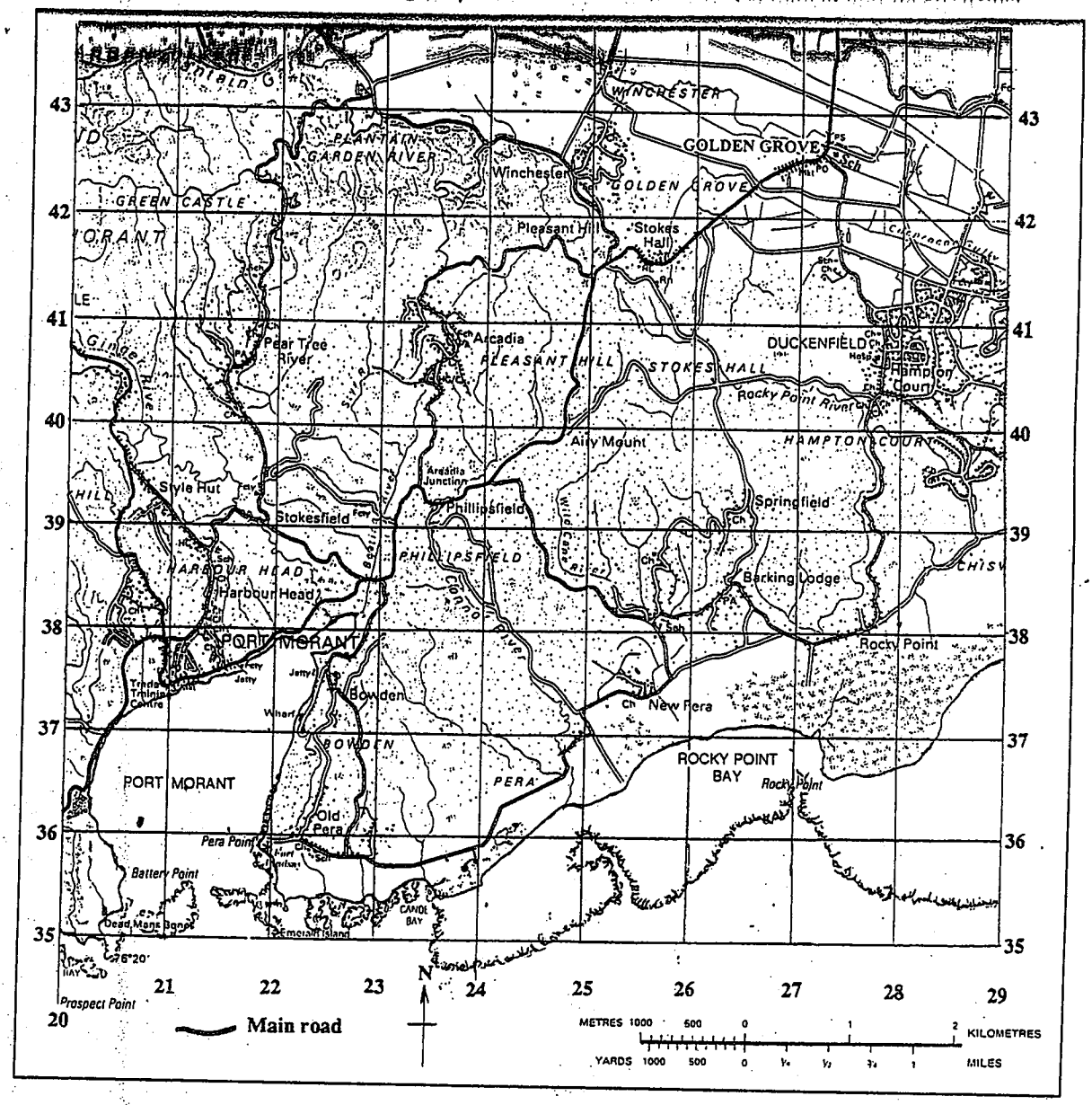
CSEC Geography 2015

Items 1–3 refer to the following map extract of Golden Grove, Jamaica, and its environs.



1. What is the grid reference of the school (Sch) at Golden Grove?

   (A) 273426
   (B) 287434
   (C) 426273
   (D) 434287

2. The general direction of Port Morant from Golden Grove is

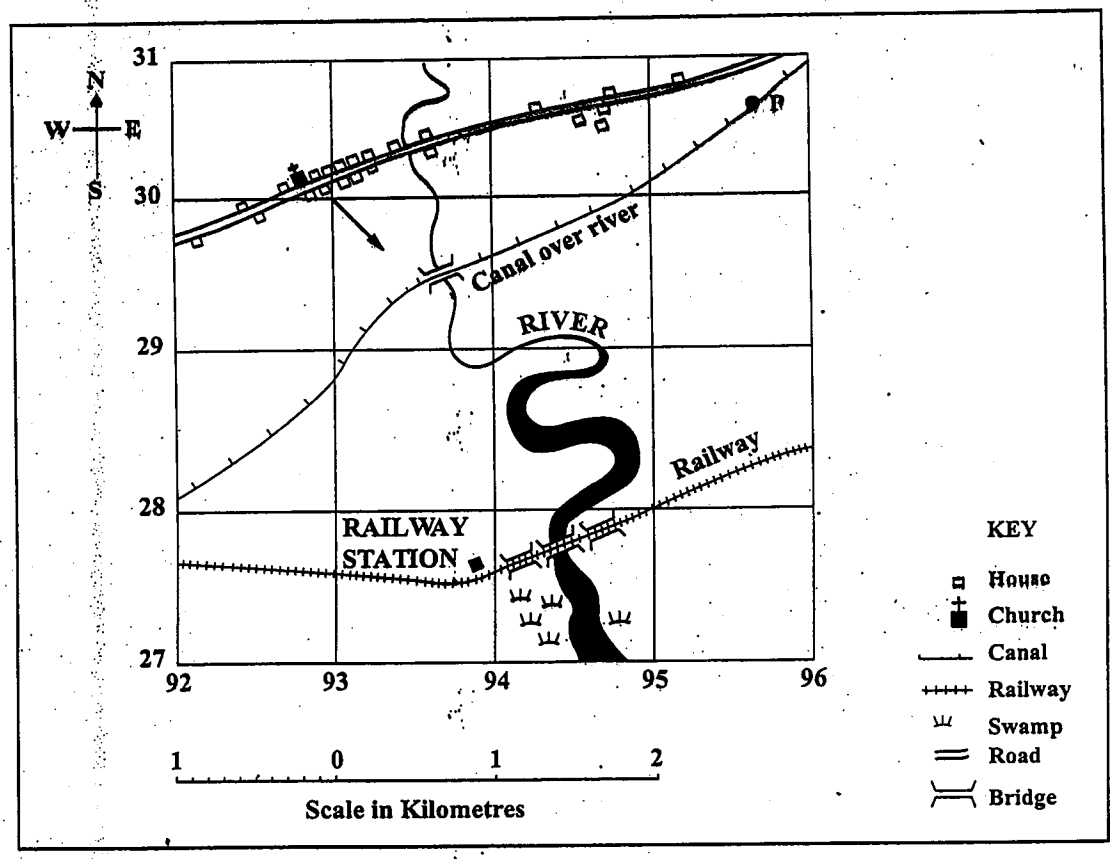
   (A) northeast
   (B) northwest
   (C) southwest
   (D) southeast

3. The bearing of the main road junction at Golden Grove **from** the main road junction at Arcadia Junction (near Easting 24) is APPROXIMATELY

   (A) 045°
   (B) 132°
   (C) 228°
   (D) 312°

GO ON TO THE NEXT PAGE

Items 4–5 refer to the following map.



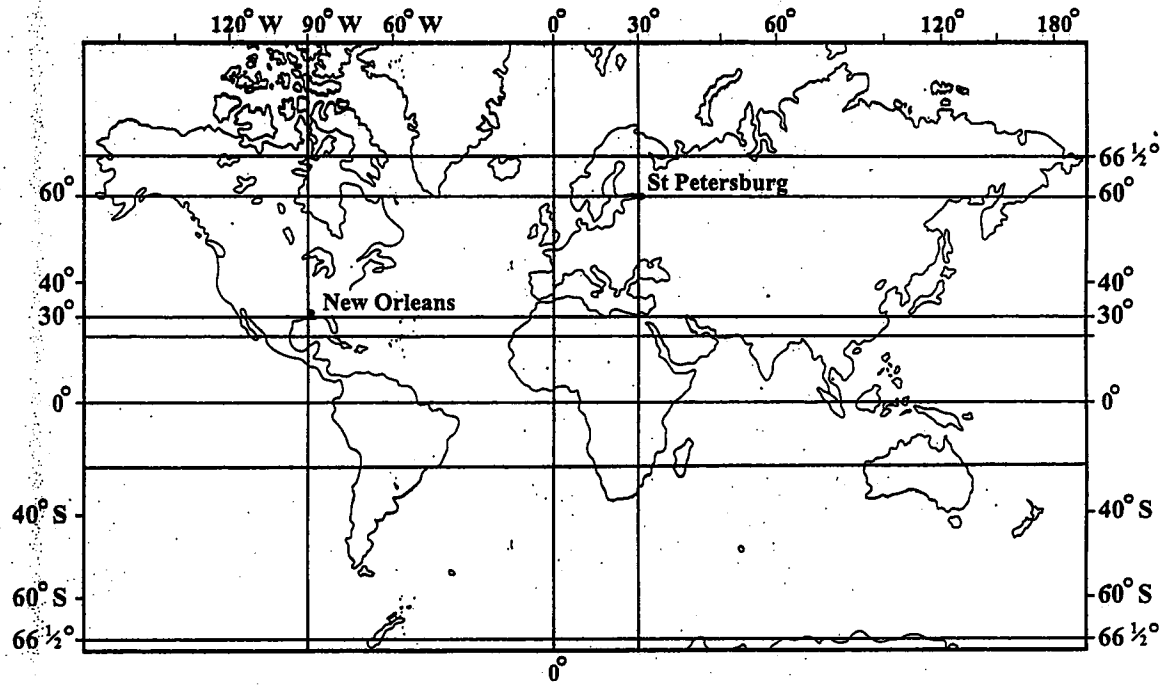
4. What is the form of the settlement in which the church is located?

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

5. The feature passing through **P** is a

(A) road
(B) river
(C) canal
(D) railway

Items 6–7 refer to the following world map.



6. What is the location of St Petersburg?

(A) 30°N 90°W
(B) 30°N 60°W
(C) 60°N 30°W
(D) 60°N 30°E

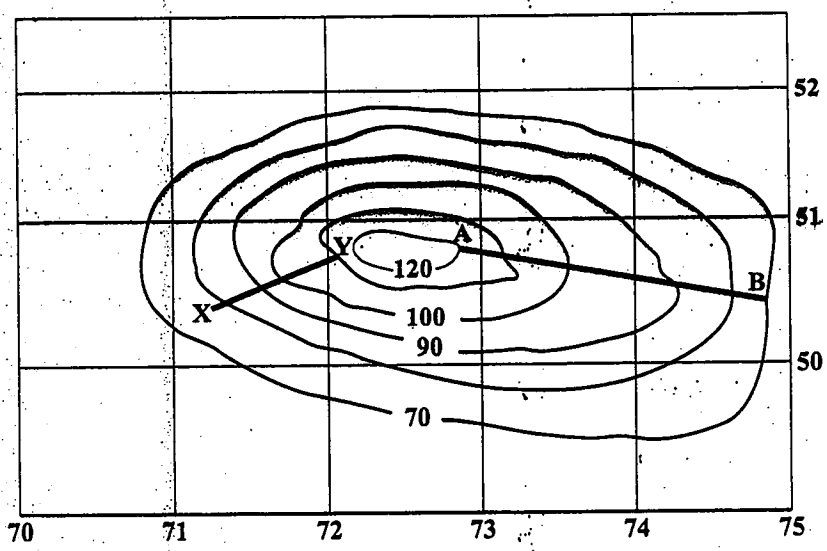
7. What time is it in New Orleans when it is 10:00 p.m. on Monday in St Petersburg?

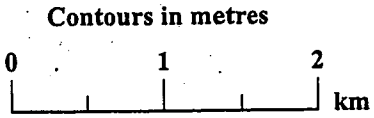
(A) 2:00 a.m. Sunday
(B) 2:00 p.m. Sunday
(C) 2:00 a.m. Monday
(D) 2:00 p.m. Monday

8. The direction of the prime meridian from New Orleans is

(A) east
(B) west
(C) north
(D) south

Items 9–10 refer to the sketch map below.





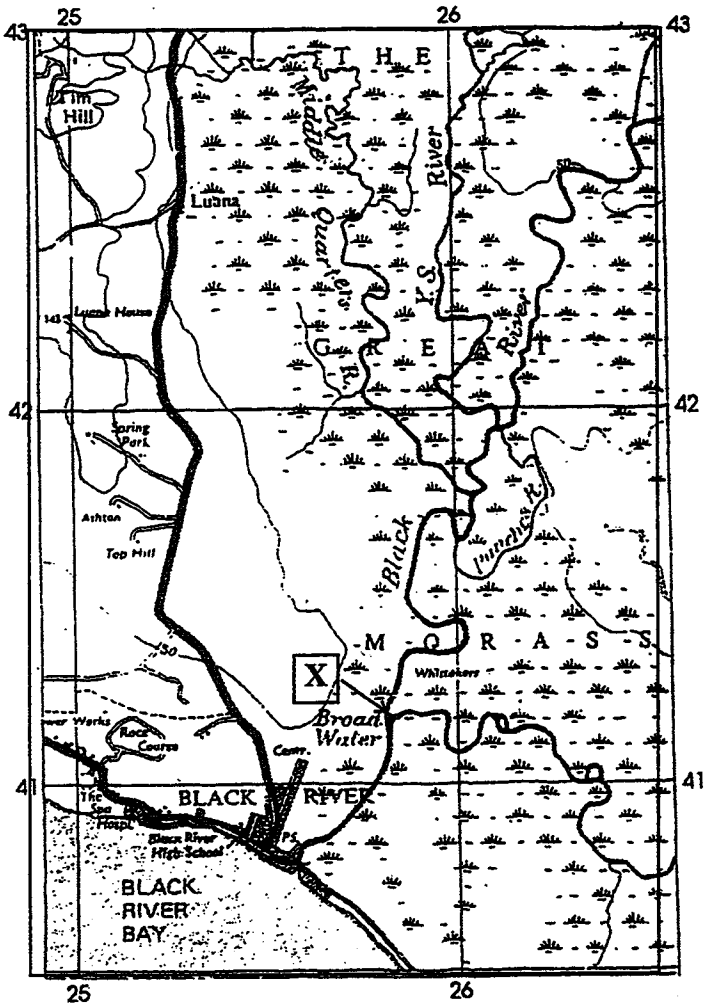
9. What is the type of slope at **XY**?

(A) Dip
(B) Scarp
(C) Convex
(D) Concave

10. The approximate gradient of the line **AB** is

(A) 1 in 10
(B) 1 in 20
(C) 1 in 40
(D) 1 in 50

Items 11–12 refer to the following map extract of the Black River area, Jamaica.



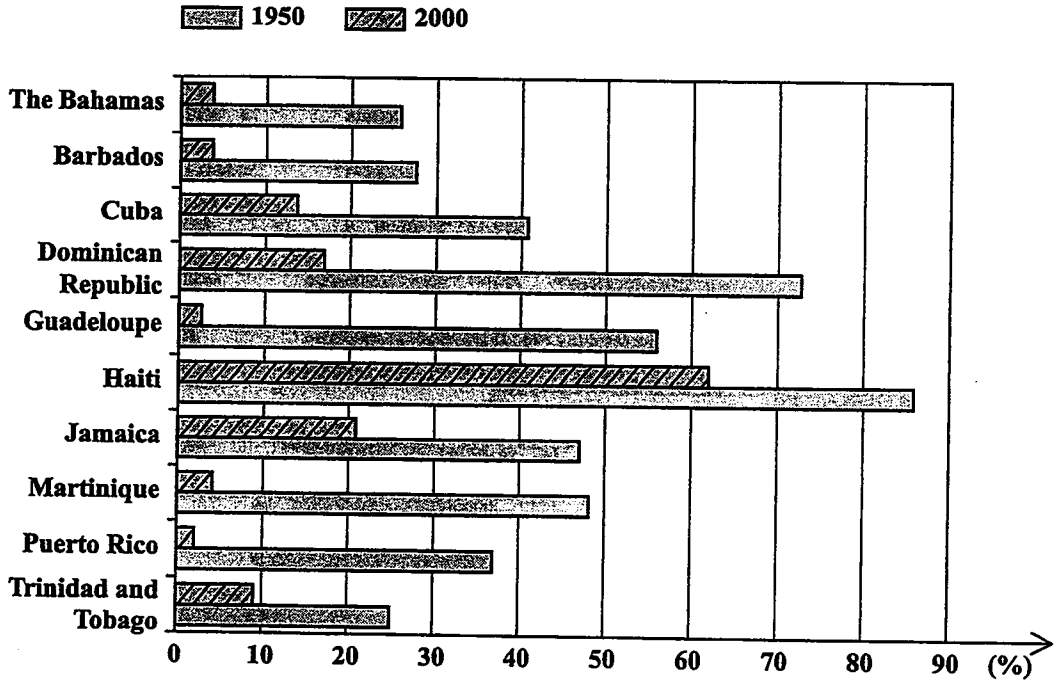
11. On the map extract, the feature labelled **X** (at 257412) is a

(A) confluence
(B) distributary
(C) river capture
(D) deferred junction

12. The general direction of flow of the Black River is

(A) SE
(B) NE
(C) NNE
(D) SSW

Items 13–15 refer to the following graph which shows the percentage of total population employed in agriculture in 1950 and 2000 in some Caribbean territories.



13. Which country had the LARGEST percentage decline in people employed in agriculture?

(A) Haiti
(B) Martinique
(C) Dominican Republic
(D) Trinidad and Tobago

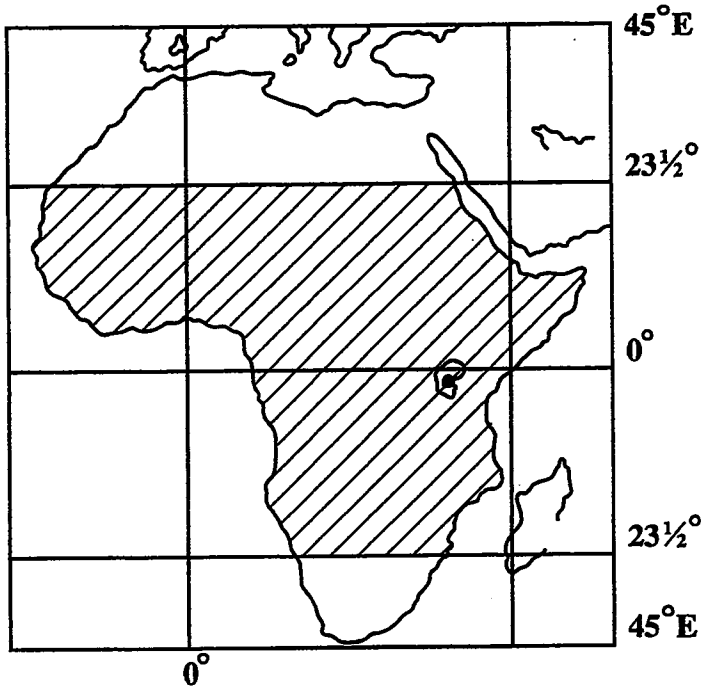
14. In 2000, the country with the LOWEST percentage of people employed in agriculture was

(A) Barbados
(B) Martinique
(C) Puerto Rico
(D) Guadeloupe

15. In which countries did employment in agriculture decline by more than 40 per cent of the total population over the period?

(A) Haiti, Guadeloupe, Puerto Rico
(B) Dominican Republic, Guadeloupe, Haiti
(C) Dominican Republic, Jamaica, Martinique
(D) Dominican Republic, Guadeloupe, Martinique

Item 16 refers to the following map of a continent.



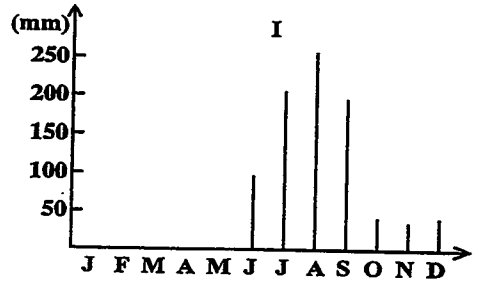
16. The shaded area on the map is BEST described as the

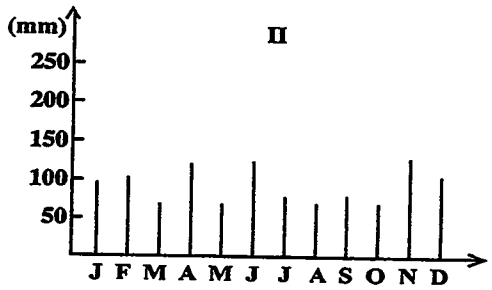
(A) Tropics
(B) Arctic Zone
(C) Mediterranean
(D) Temperate Zone

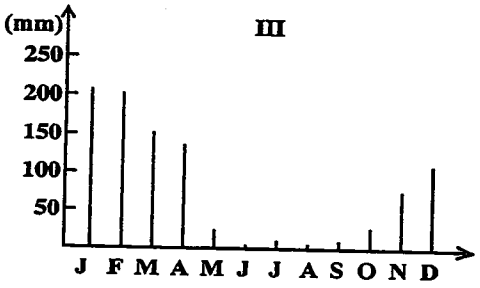
17. Which of the following statements about lines of latitude is true?

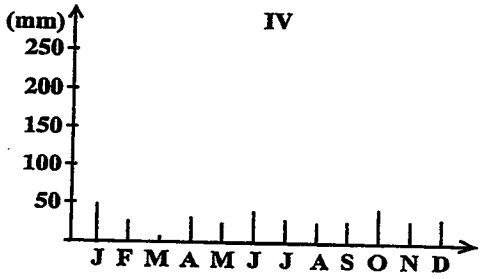
(A) They meet at the poles.
(B) They are all great circles.
(C) They represent angular distance from the prime meridian.
(D) They represent the angular distance north and south of the equator.

Items 18–19 refer to the following graphs which show rainfall conditions, I, II, III and IV.









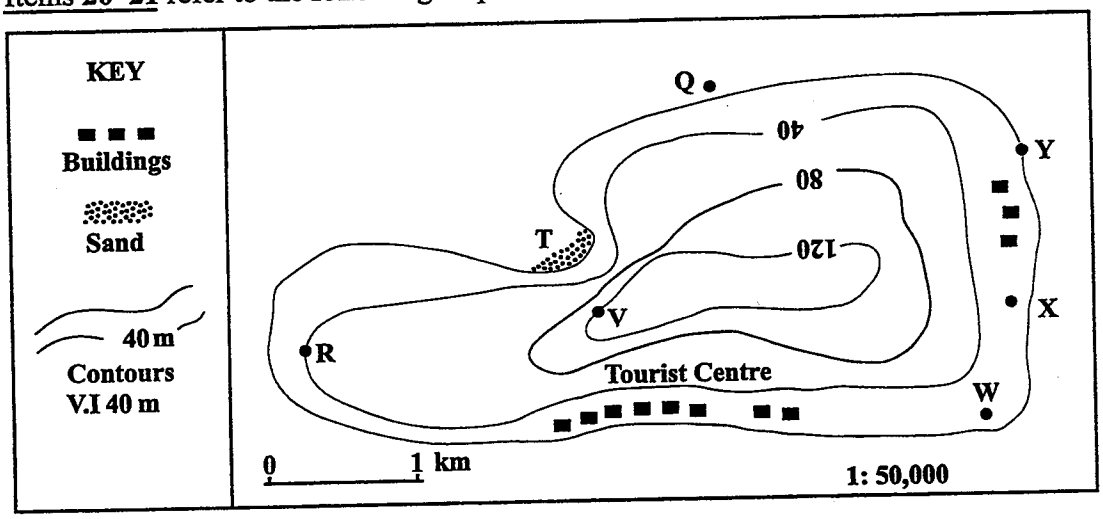
18. Under which of the conditions would the flow of a river vary MOST from season to season?

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

19. Under which of the conditions is there the GREATEST variation in rainfall?

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

Items 20–21 refer to the following map.

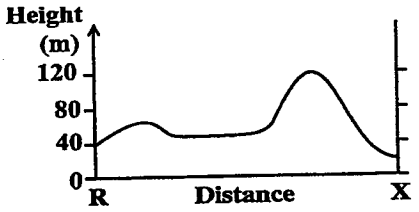


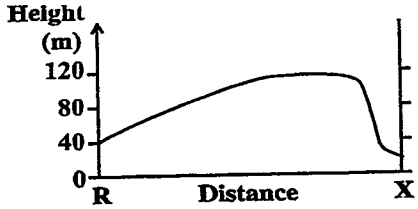
Scale: 2 cm ≡ 1 km

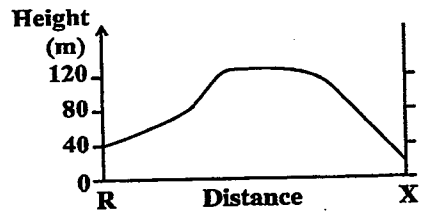
20. The features found at **T** on the map are

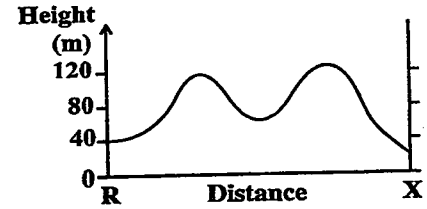
(A) a bay and beach
(B) a headland and bay
(C) a beach and headland
(D) cliffs and coral reefs

21. A contour sketch from Point **R** to Point **X** would look like

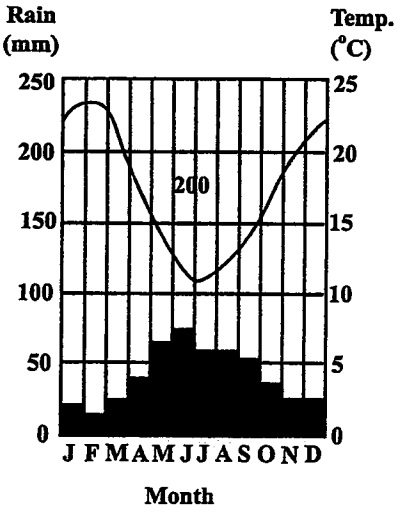
(A)


(B)


(C)


(D)


Items 22–23 refer to the following rainfall and temperature graph.



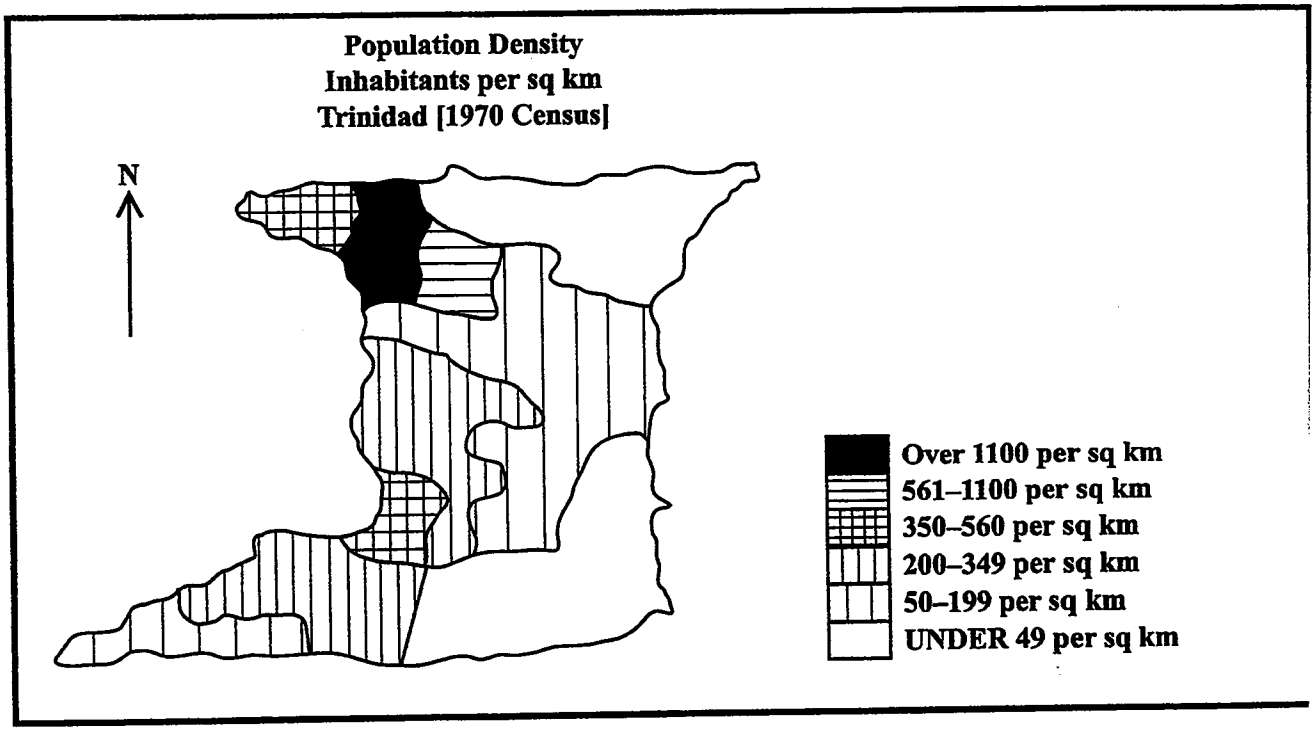
22. The annual range of temperature is APPROXIMATELY

(A) 5°
(B) 12°
(C) 15°
(D) 24°

23. 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 rainfall throughout the year.
(D) There is little variation in temperature throughout the year.

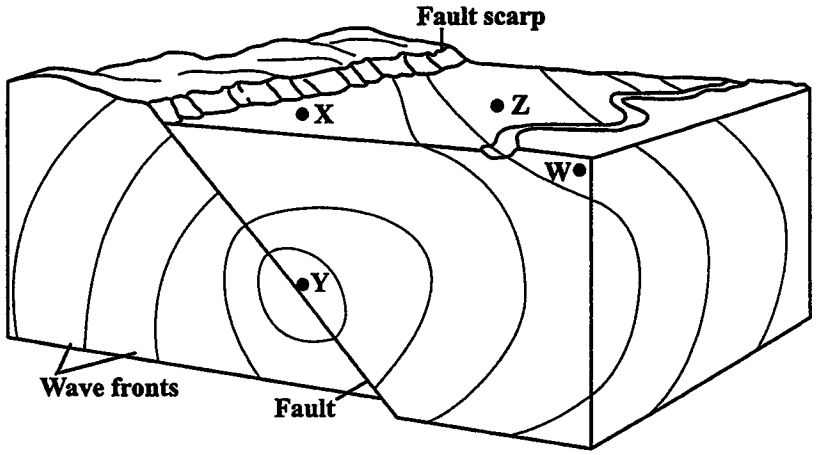
Item 24 refers to the following population density map of Trinidad.



24. Which of the following statements is true according to the population density map of Trinidad?

(A) The west has the lowest population.
(B) The southwest is sparsely populated.
(C) The centre has the highest population.
(D) The northwest is densely populated.

Item 25 refers to the following block diagram which shows the wave patterns of an earthquake along a fault and four points labelled **W**, **X**, **Y** and **Z**.



25. Which of the points in the diagram represents the focus?

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

---

26. Which of the following statements is NOT true of ALL volcanoes?

(A) Their eruptions are violent.
(B) They occur in areas of crustal weakness.
(C) Their cones are made of ejected material.
(D) Various gases are emitted during eruption.

27. When magma emerges on the surface, it may lead to the formation of

(A) sills
(B) dykes
(C) laccoliths
(D) lava flows

28. Potholes will tend to form on the bed of a river if the river has a

(A) low volume and flows over a steep gradient
(B) high volume and flows over a steep gradient
(C) low volume and flows over a gentle gradient
(D) high volume and flows over a gentle gradient

29. As one climbs a mountain, the surrounding temperature

(A) decreases
(B) increases
(C) fluctuates
(D) remains constant

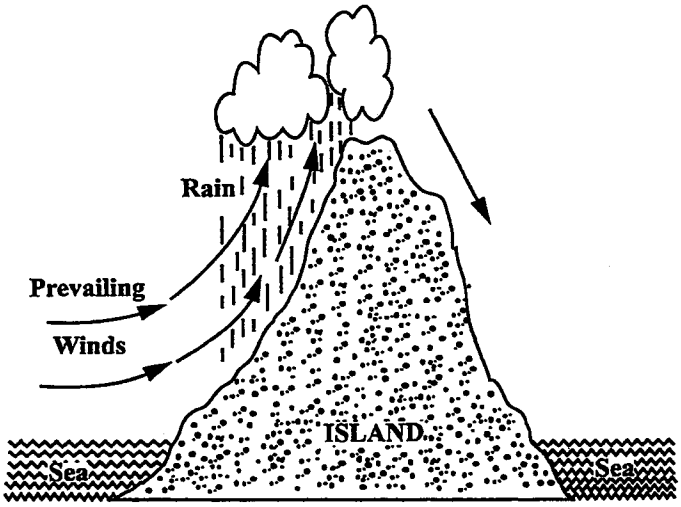
30. How does vegetation contribute to the development of soils?

(A) It provides the parent material.
(B) Roots increase the depth of soil.
(C) It decomposes to form humus.
(D) It decomposes to produce inorganic matter.

31. The slow downhill movement of debris and soil under the influence of gravity may BEST be described as

(A) a landslide
(B) soil creep
(C) soil erosion
(D) mass wasting

Item 32 refers to the following diagram.



32. Which of the following weather conditions is NOT shown in the diagram above?

(A) Rain shadow on the leeward side
(B) Frontal rainfall on the mountain top
(C) Relief rainfall on windward slopes
(D) Descending dry winds on the leeward side

33. The MAIN difference between weathering and erosion relates to the

(A) removal of materials
(B) temperature of the materials
(C) moisture content of the rocks
(D) slope of the land bearing the rocks

34. What is the CORRECT order of the stages in the development of a hurricane?

(A) Tropical disturbance, storm, depression, hurricane
(B) Tropical depression, disturbance, storm, hurricane
(C) Tropical storm, depression, disturbance, hurricane
(D) Tropical disturbance, depression, storm, hurricane

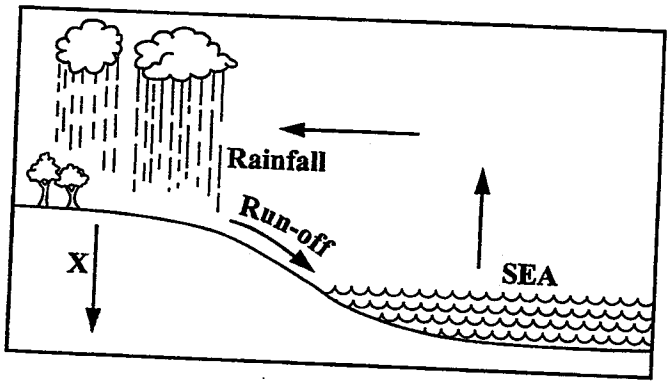
35. Fold mountains form where crustal plates move

(A) up and down
(B) towards each other
(C) parallel to each other
(D) away from each other

36. Which of the following phrases defines exfoliation?

(A) Peeling off of the outer layers of rocks
(B) Splitting of rocks into rectangular blocks
(C) Movement of rocks due to the action of rivers
(D) Disintegration of rocks by root penetration into crevices

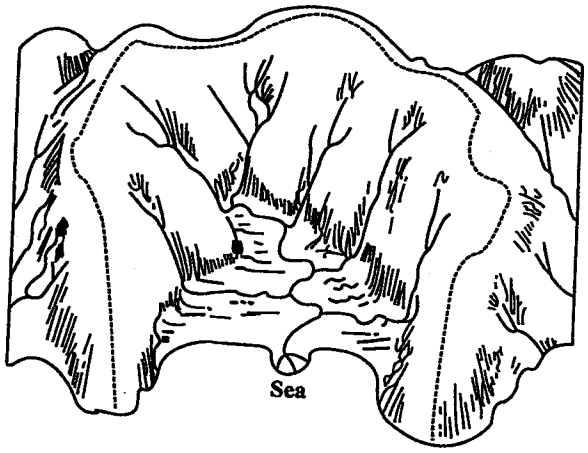
Item 37 refers to the following diagram.



37. In the diagram, X represents

(A) percolation
(B) evaporation
(C) transpiration
(D) precipitation

Item 38 refers to the following diagram.



38. The dotted line represents

(A) a plateau
(B) the hilltop
(C) the watershed
(D) the drainage basin

39. Which of the following statements may explain why some areas in Caribbean territories are sparsely settled?

I. They are hilly and forested.
II. They have no mineral resources.
III. Transport links are generally poor.

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

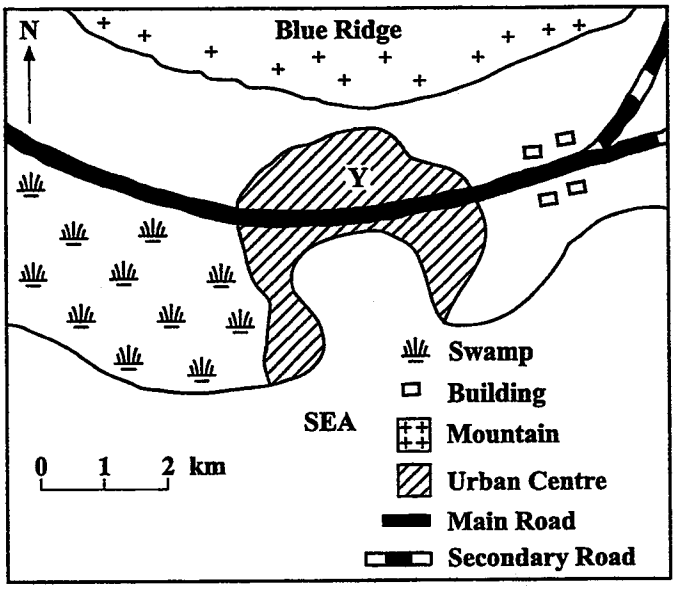
40. Which of the following conditions is NOT likely to result from the setting up of secondary (manufacturing) industries in the Caribbean?

(A) Increased exports
(B) Reduced cost of living
(C) Increased employment opportunities
(D) Reduction in the importation of consumer goods

41. Rapid urbanization in Caribbean countries USUALLY results in

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

Items 42–43 refer to the following sketch map.



42. Which of the following features BEST explain the location of the urban centre in the sketch map?

I. The presence of flat land
II. The nearness to the mountains
III. The presence of a natural harbour

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

43. In which direction is the town MOST likely to expand?

(A) East
(B) West
(C) North
(D) South

44. Which of the following factors is the MOST important in the location of primary industries?

(A) Labour
(B) Power
(C) Transportation
(D) Raw materials

45. "Algae, nourished by waters enriched with nutrients, grow in abundance over the corals causing them to die."

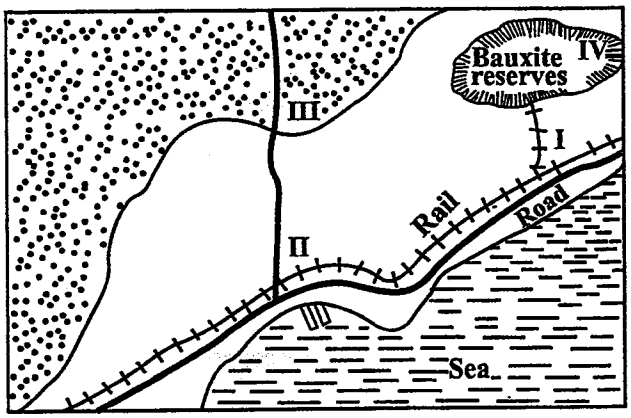
The situation described above can result from

(A) oil pollution
(B) fishing and dynamite
(C) dredging and mining
(D) sewage discharge

46. Which of the following features exert the GREATEST influence on tourism in the Caribbean?

(A) Climates
(B) Carnivals
(C) Coral reefs
(D) Tropical forests

Item 47 refers to the following diagram which shows four locations labelled I, II, III and IV.



47. Based on the diagram, at which of the locations is an urban centre MOST likely to be found?

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

48. Which of the following conditions is NOT a problem affecting industrial development in the Caribbean?

(A) Size of market
(B) Availability of capital
(C) Size of labour force
(D) Quantity of raw materials

49. Which of the following circumstances are challenges to peasant farmers in the Caribbean?

I. Lack of capital
II. Lack of crop variety
III. Soil erosion

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

50. The total output from peasant farms is often low because

(A) only one crop is grown
(B) holdings are very small
(C) farmers grow mainly food crops
(D) plots are located in remote areas

51. Which of the following practices may harm the marine environment in the Caribbean?

I. Zoning of marine activities
II. Harvesting of coral formations for souvenirs
III. Discharging sewage and industrial waste along the shore

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

52. Which of the following situations contributes MOST to pollution of the environment of capital cities in CARICOM countries?

(A) Accumulation of garbage from factories
(B) Discharge of chemicals in the sea
(C) Discharge of fish waste in the sea
(D) Discharge of exhaust fumes from motor vehicles

53. Which of the following is a form of air pollution?

(A) Smog
(B) Oil spill
(C) Raw sewage
(D) Oxygen depletion

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

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

55. Harmful gases, liquids and solids which affect the earth and its inhabitants are examples of

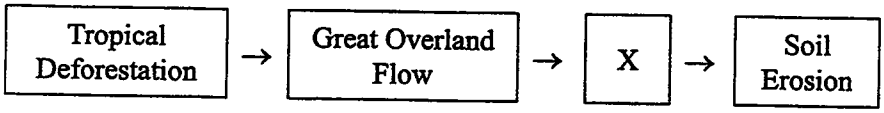
(A) sediments
(B) pollutants
(C) solid waste
(D) contaminants

56. Which of the following features indicates an UNHEALTHY coral reef?

(A) Brightly coloured coral
(B) Large number of parrot fish
(C) Large variety of species of coral
(D) Extensive area of bright white coral

GO ON TO THE

Items 57–58 refer to the following diagram showing a series of consequences from tropical deforestation.



57. Which of the following consequences BEST represents X?

(A) Flooding
(B) Reduced rainfall
(C) Decreased canopy
(D) Reduced soil fertility

58. What other consequence can result from tropical deforestation?

(A) Lumbering
(B) Loss of flora
(C) Increase in fauna
(D) Increase in underground water

59. Flooding can be prevented by

I. planting vegetation
II. creating reserves for trees
III clearing vegetation on slopes

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

60. Which of the following actions can be used to reduce the emission of greenhouse gases?

I. Increased use of chlorofluorocarbons (CFCs)
II. Increased use of solar power
III. Reduction in the use of fossil fuels

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

END OF TEST

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