CANDIDATE – PLEASE NOTE!

Print your name on the line below and return this booklet with your answer sheet. Failure to do so may result in disqualification.

_____

FORM TP 2024081

TEST CODE **01225010**

MAY/JUNE 2024

CARIBBEAN EXAMINATIONS COUNCIL

CARIBBEAN SECONDARY EDUCATION CERTIFICATE® EXAMINATION

GEOGRAPHY

Paper 01 – General Proficiency

1 hour 15 minutes

04 JUNE 2024 (a.m.)

READ THE FOLLOWING INSTRUCTIONS CAREFULLY.

1. This test consists of 60 items. You will have 1 hour and 15 minutes to answer them.
2. In addition to this test booklet, you should have an answer sheet.
3. 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.
4. On your answer sheet, find the number which corresponds to your item and shade 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

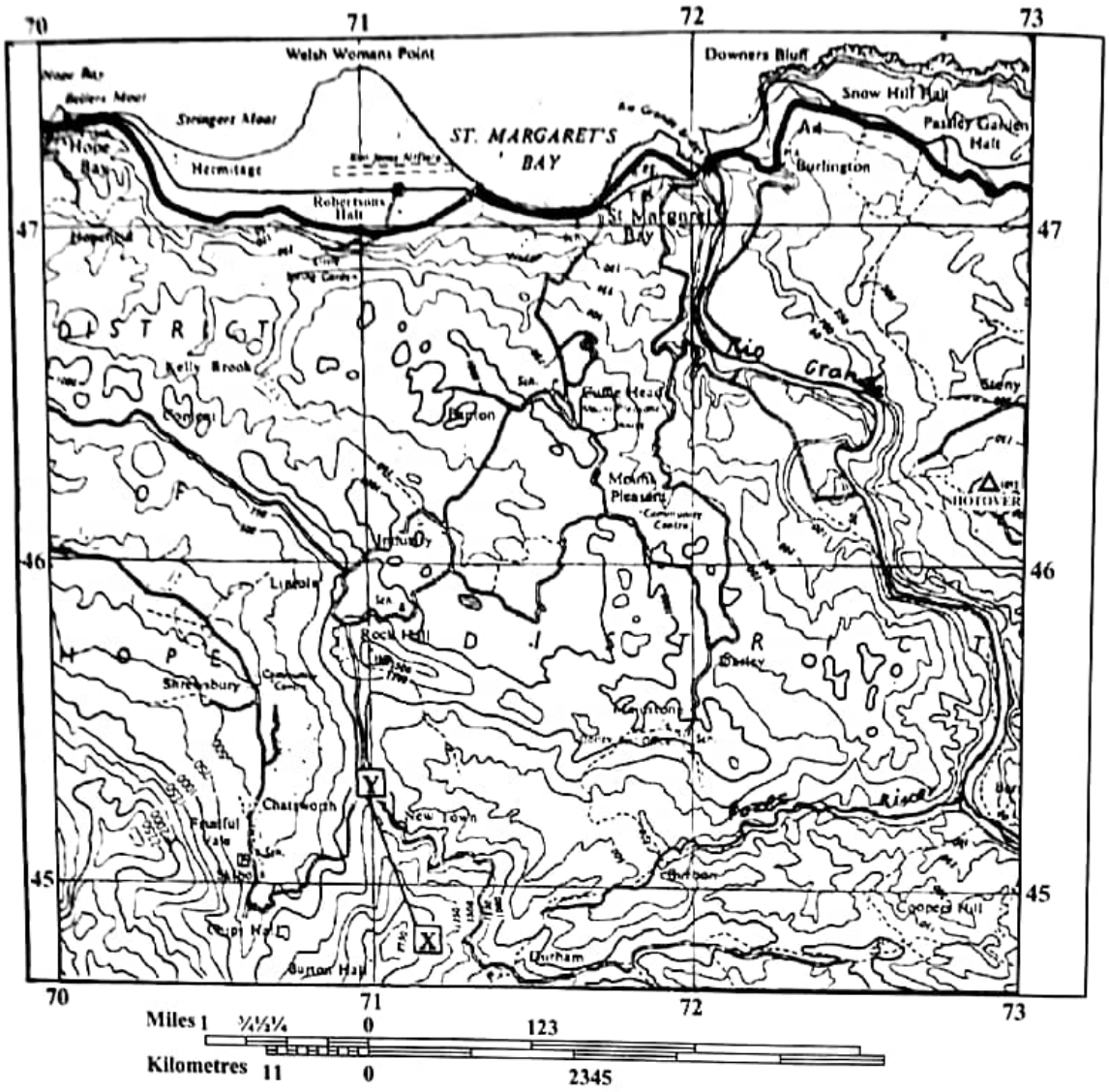
   The correct answer to this item is "July–September", so (C) has been shaded.
5. If you want to change your answer, erase it completely before you fill in your new choice.
6. When you are told to begin, turn the page and work as quickly and as carefully as you can. If you cannot answer an item, go on to the next one. You may return to that item later.
7. You may use a silent, non-programmable calculator to answer items.
8. The use of geometrical instruments is permitted.

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

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Items 1 – 4 refer to the following map extract at a scale of 1:50 000.



1. What is the direction of the trigonometrical station at Shotover (729463) from Robertsons Halt (711471)?

(A) Southeast
(B) Northeast
(C) Southwest
(D) Northwest

2. What is the contour interval, in feet, in grid square 7045?

(A) 50
(B) 100
(C) 150
(D) 250

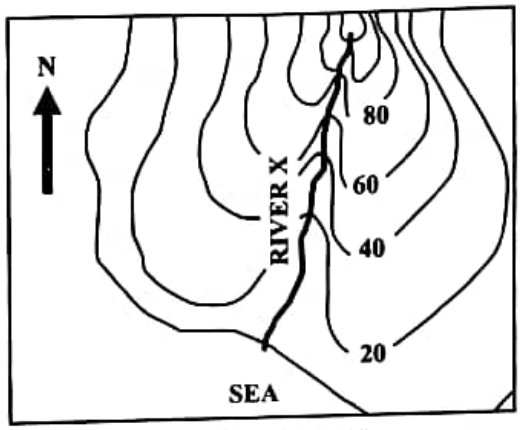
3. The height, in feet, of the highest point in grid square 7045 is approximately

(A) 2250
(B) 2500
(C) 2750
(D) 3000

4. What is the grid bearing of Robertsons Halt (711471) from the trigonometrical station at Shotover (729463)?

(A) 65°
(B) 115°
(C) 295°
(D) 355°

Item 5 refers to the following diagram.



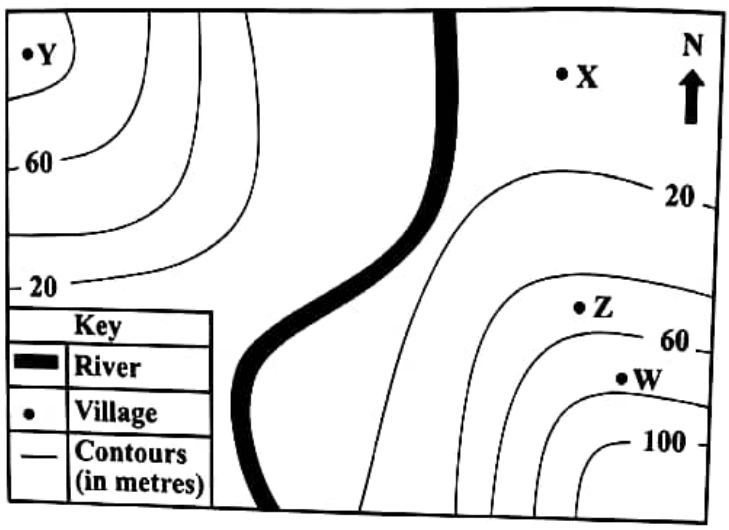
Contours 20m V.I.

5. What is the approximate gradient of River X from its source to its mouth, using a distance of 4.8 km?

(A) 1:30
(B) 1:35
(C) 1:40
(D) 1:45

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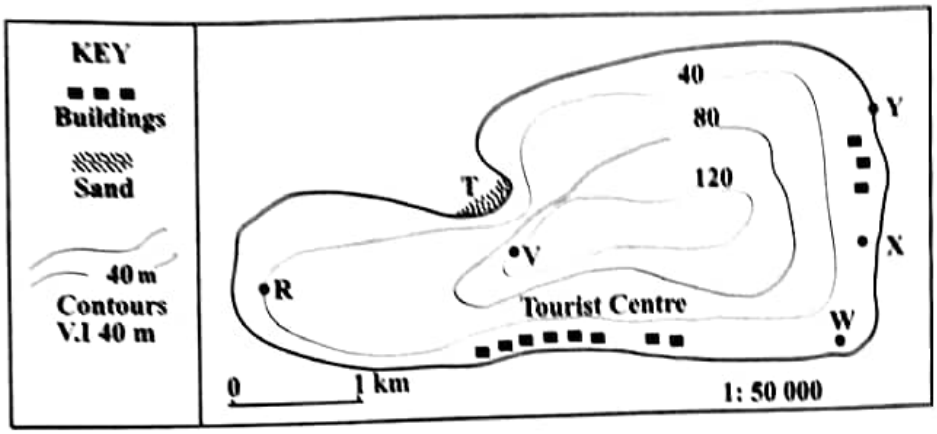
Item 6 refers to the following map extract.



6. Which village is approximately 75 m above sea level?

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

Items 7 and 8 refer to the following map.

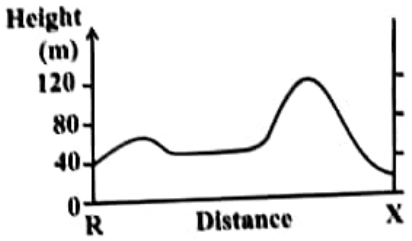


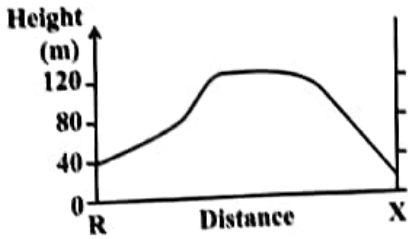
Scale: 2 cm:1 km

7. Which of the following words BEST describes the slope between T and V?

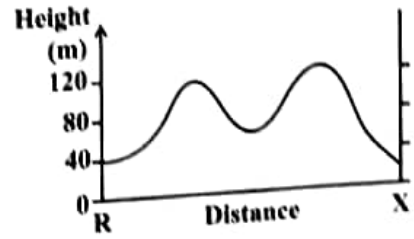
(A) Flat
(B) Steep
(C) Gentle
(D) Undulating

8. A contour profile from Point R to Point X would look like

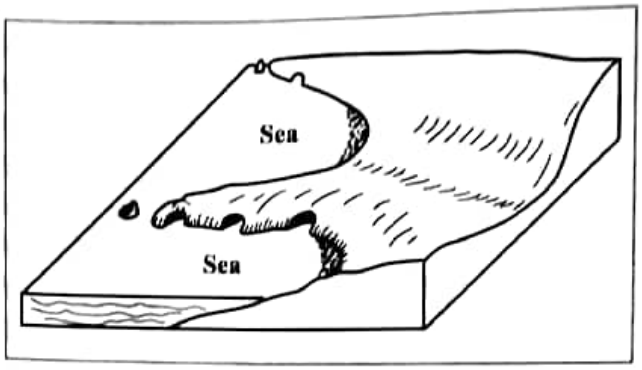
(A)


(B)


(C)


(D)


Item 9 refers to the following diagram of a coastline.

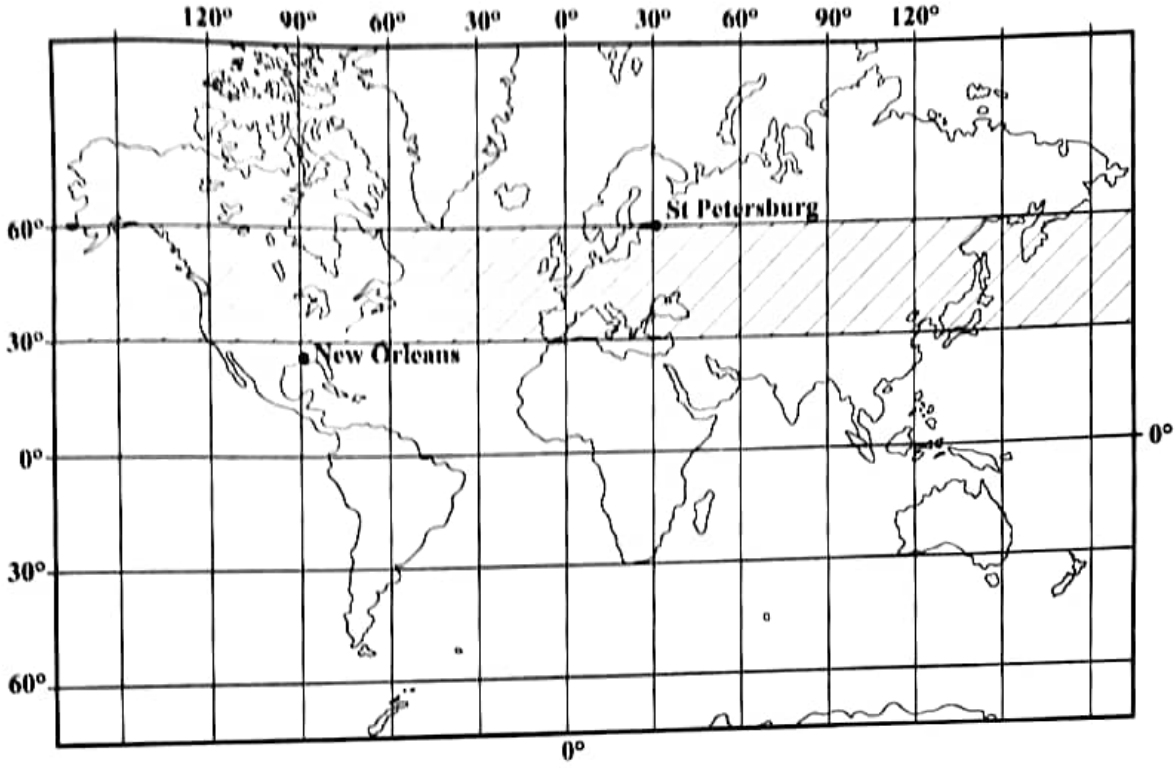


9. Which of the following features is NOT shown on the diagram?

(A) Cliff
(B) Headland
(C) Bay-head beach
(D) Wave-cut platform

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Items 10–12 refer to the following world map.



10. 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

11. What major line of latitude is closest to New Orleans?

(A) Equator
(B) Antarctic Circle
(C) Tropic of Cancer
(D) Tropic of Capricorn

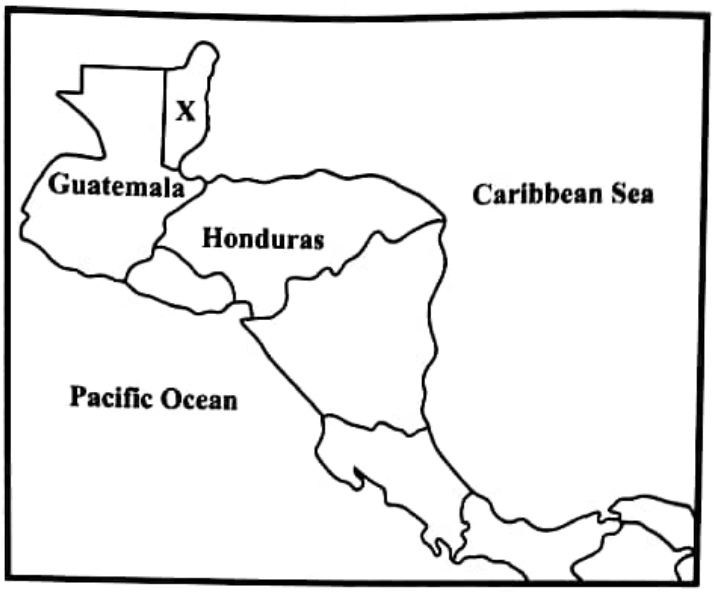
12. The shaded area on the map represents a part of the

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

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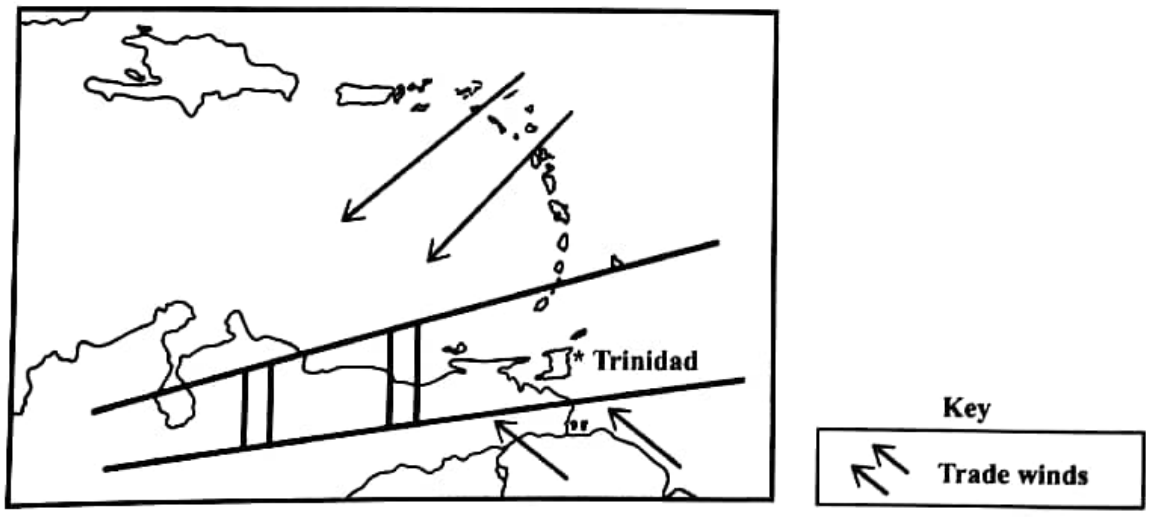
Item 13 refers to following map of Central America.



13. Which country is labelled **X** on the map?

(A) Belize
(B) Mexico
(C) Guyana
(D) Jamaica

Item 14 refers to the following diagram of a weather chart.



14. What weather system, shown on the map, is affecting Trinidad?

(A) ITCZ
(B) Anticyclone
(C) Cold front
(D) Tropical wave

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15. Which of the following measurements are taken to calculate relative humidity?

(A) Temperature and rainfall
(B) Temperature and pressure
(C) Wet bulb and dry bulb temperatures
(D) Maximum and minimum temperatures

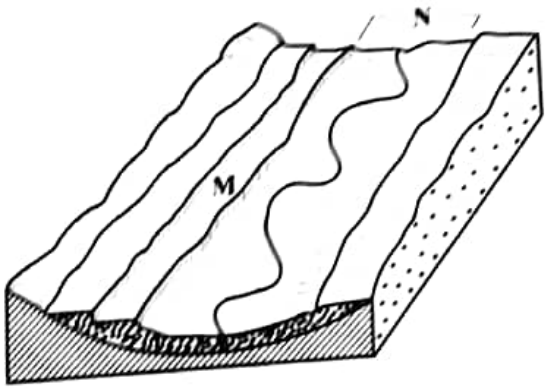
Item 16 refers to the table below which gives the average monthly rainfall figures for Country A in 2019.

Month	January	February	March	April	May	June
Rainfall(mm)	71	46	46	58	119	165

16. What is the median rainfall, in mm, for the period?

(A) 46.0
(B) 52.0
(C) 64.5
(D) 84.2

Items 17 and 18 refer to the following diagram of a river valley.



17. The feature labelled **M** is a

(A) levee
(B) terrace
(C) waterfall
(D) floodplain

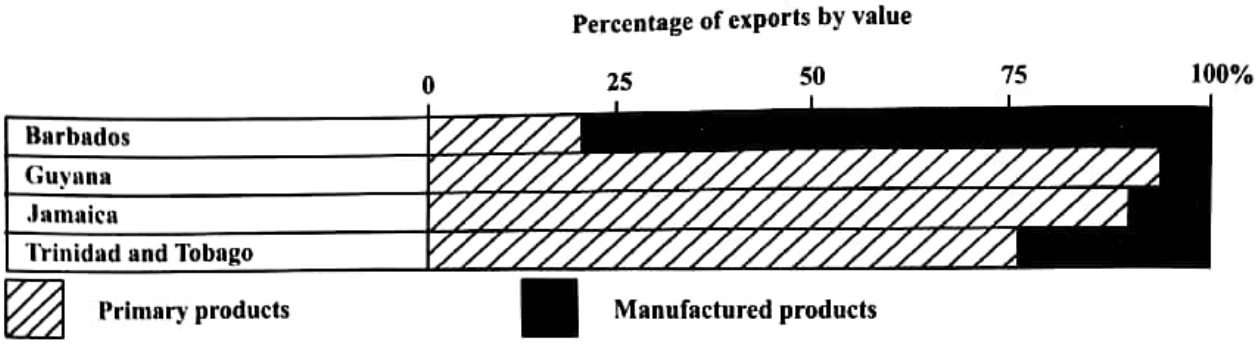
18. Which of the following features forms in the area labelled **N**?

(A) Levee
(B) Plateau
(C) Floodplain
(D) Alluvial fan

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Items 19 and 20 are based on the following graph which shows the relative value for exports of primary and manufactured products from four Caribbean territories in one year.



19. For which of the following territories was the value of manufactured products exported GREATER than 75% of the total exports?

(A) Guyana
(B) Jamaica
(C) Barbados
(D) Trinidad and Tobago

20. In which of the following territories was there the GREATEST difference in value between primary products and manufactured products?

(A) Guyana
(B) Jamaica
(C) Barbados
(D) Trinidad and Tobago

Item 21 refers to the following diagram of the earth's structure.

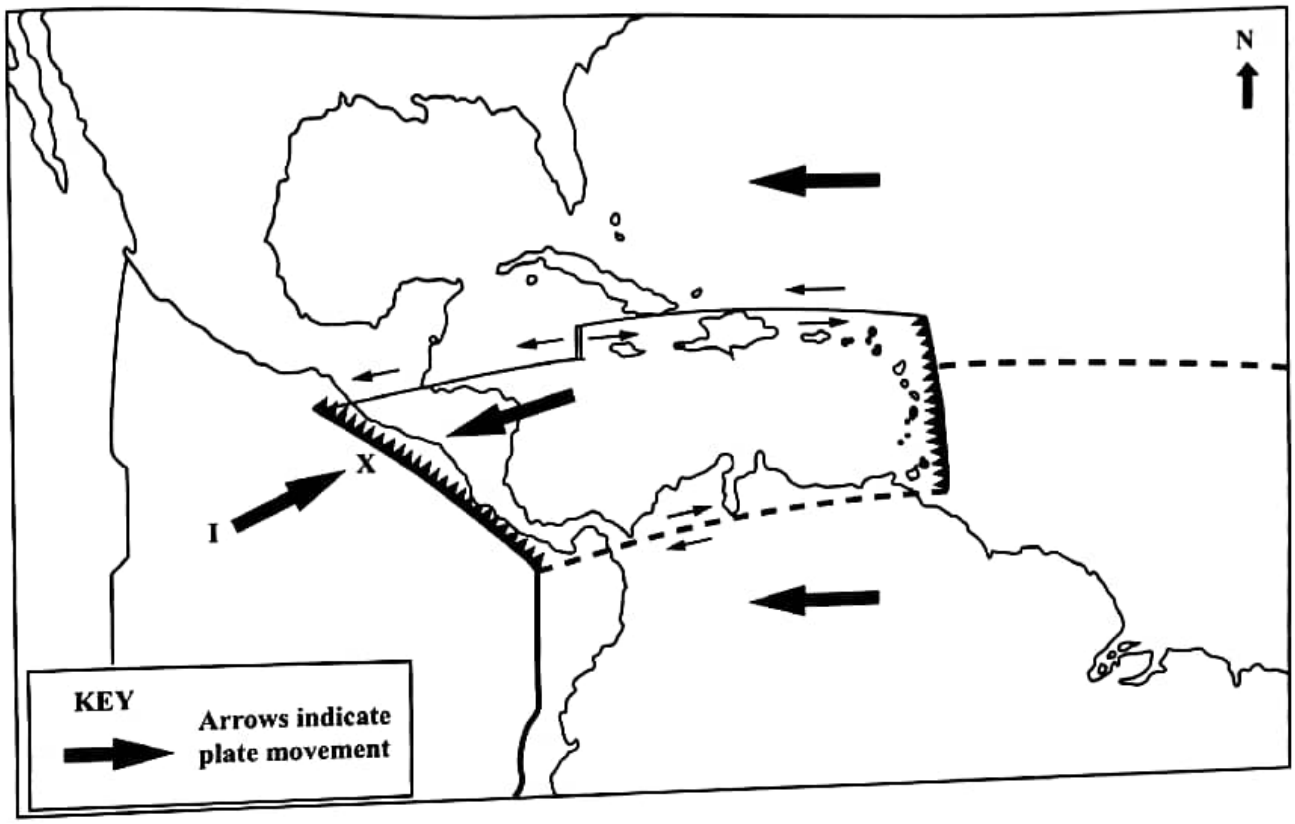


21. What layer of the earth's structure is labelled **X**?

(A) Crust
(B) Mantle
(C) Inner core
(D) Outer core

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Items 22 and 23 refer to the following map of crustal plates.



22. The plate labelled **I** is the

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

23. Which type of boundary is formed at **X**?

(A) Divergent
(B) Transform
(C) Convergent
(D) Constructive

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24. Subduction occurs at

(A) mid-oceanic ridges
(B) divergent plate boundaries
(C) transform plate boundaries
(D) convergent plate boundaries

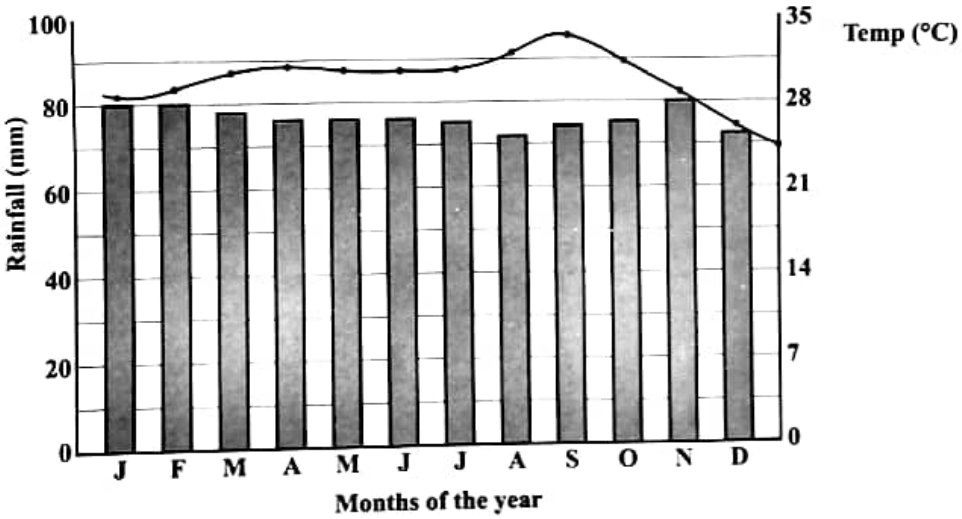
25. A river that is wide, shallow and has bars and islands around which the river flows is described as

(A) flooded
(B) braided
(C) turbulent
(D) meandering

26. Which of the following correctly describes the relationship between weather and climate?

(A) Climate refers to the conditions of the atmosphere whereas weather mainly refers to the seasons.
(B) Weather refers to only cloud cover and winds while climate refers to only temperature and rainfall.
(C) Climate is a changeable, everyday occurrence while weather refers to changes in the atmosphere over a longer time.
(D) Weather is the day-to-day changes in the atmosphere while climate is the average condition of the atmosphere over many years.

Item 27 refers to the following rainfall and temperature graph that shows the mean monthly temperature (°C) of Country P.



27. Which of the following types of climate does the information in the diagram represent?

(A) Hot desert
(B) Equatorial
(C) Tropical marine
(D) Tropical continental

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

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

29. Which constituent of soil contributes to the black layer seen in some soil profiles?

(A) Humus
(B) Iron oxide
(C) Parent material
(D) Inorganic minerals

30. The slow, downward movement of water and minerals in solution from the surface through the pores of the soil is referred to as

(A) leaching
(B) infiltration
(C) percolation
(D) throughflow

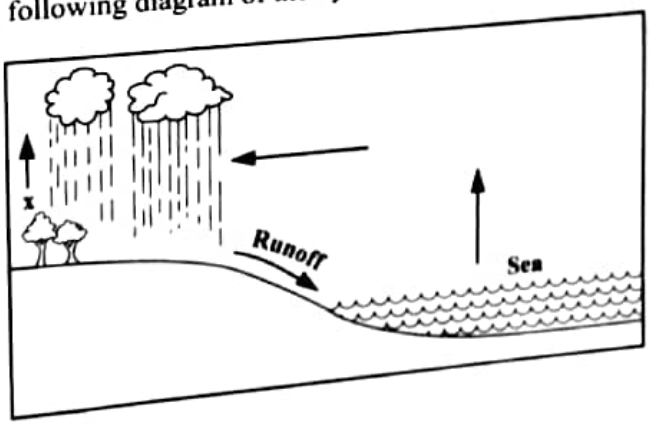
31. When magma emerges on the surface, it may lead to the formation of

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

32. Which of the following factors does NOT influence the temperature of a location on the earth's surface?

(A) Gravity
(B) Latitude
(C) Cloud cover
(D) Distance from the sea

Item 33 refers to the following diagram of the hydrological cycle.



33. In the diagram, X represents

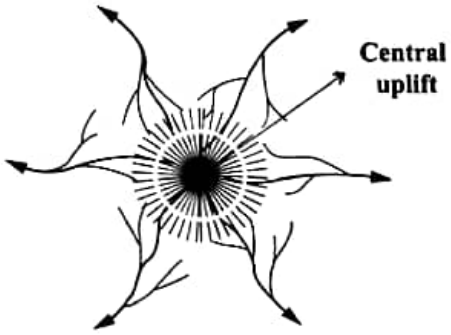
(A) percolation
(B) evaporation
(C) transpiration
(D) precipitation

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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

Item 35 refers to the following diagram.



35. Which of the following drainage patterns is illustrated in the diagram?

(A) Radial
(B) Parallel
(C) Trellis
(D) Dendritic

36. Which of the following statements explains why snow may be present on mountaintops in Africa near the equator?

(A) Jet streams move cold air towards the equator.
(B) The sun's rays are oblique on the mountaintops.
(C) Low pressure systems at the equator lower the temperature.
(D) The mountaintops are cold due to the elevation of these mountains.

37. Which of the following statements about the 'greenhouse effect' is true?

(A) It results from increased globalization.
(B) It makes the weather more unpredictable.
(C) It lowers the temperature on mountain tops.
(D) It is a natural process that warms the earth's surface.

38. What is the MOST immediate consequence of global warming in the Caribbean?

(A) Rising sea levels
(B) Bleaching of corals
(C) Longer dry seasons
(D) Loss of biodiversity

39. Atolls appear as reefs that are

(A) ring-shaped with a lagoon in the centre
(B) found in the tropical coastal intertidal zones
(C) close to the shore and separated by a shallow lagoon
(D) separated from the shore by several kilometres of water

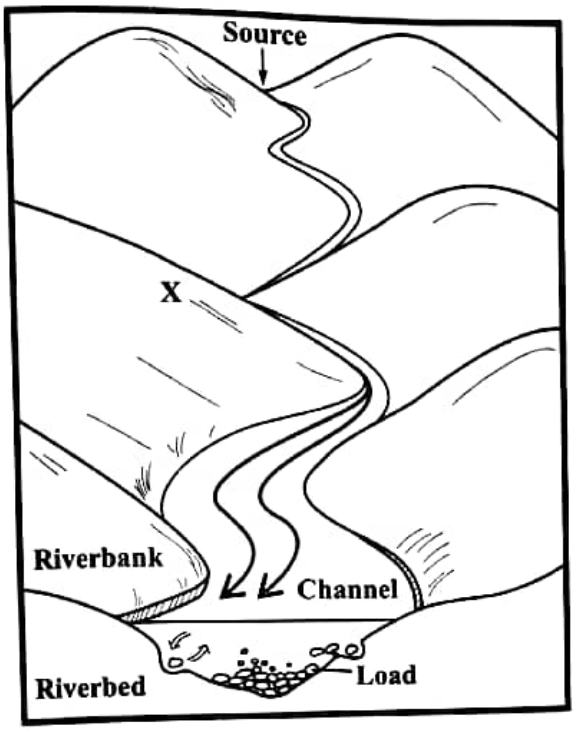
40. Flooding can be reduced by

(A) soil erosion
(B) urbanisation
(C) deforestation
(D) reafforestation

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Items 41 and 42 refer to the following diagram.



41. What erosional process is occurring on the riverbed shown in the diagram?

(A) Attrition
(B) Solution
(C) Corrasion
(D) Hydraulic action

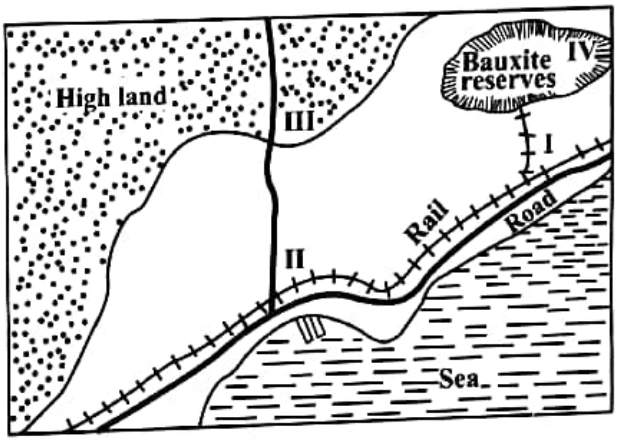
42. Which of the following landforms is located at **X**?

(A) Gorge
(B) Valley
(C) Plunge pool
(D) Interlocking spur

43. Which of the following statements about soil is generally true?

(A) The depth increases as moisture content increases.
(B) The acidity increases as the humus content decreases.
(C) The fertility decreases as the humus content increases.
(D) The acidity increases as the moisture content decreases.

Item 44 refers to the following diagram which shows four locations labelled I, II, III and IV.



44. At which of the following locations is an urban centre MOST likely to be found?

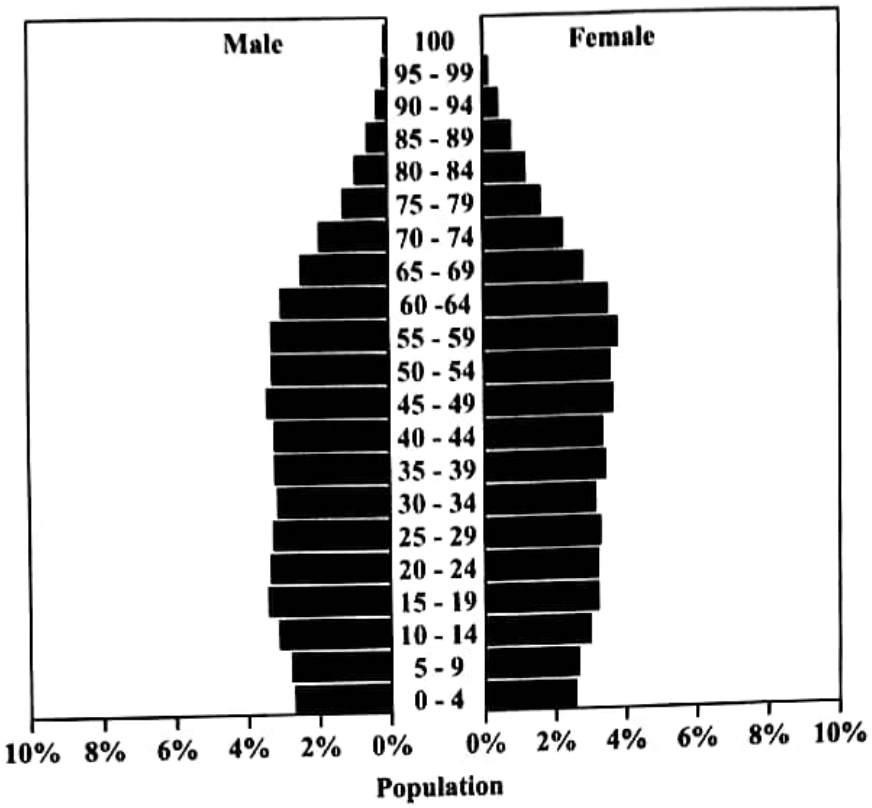
(A) I
(B) II
(C) III
(D) IV

45. The rate of natural increase of a population is determined by

(A) birth and death rates
(B) birth rates and migration
(C) death rates and emigration
(D) birth rates and immigration

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Item **46** refers to the following population pyramid for Country X in 2020.



46. Which of the following statements is true of the country's population?

(A) The birth rate is high.
(B) The death rate is high.
(C) The dependency ratio is high.
(D) Life expectancy is decreasing.

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47. Which of the following conditions is a problem in urban areas of the Caribbean?

(A) Shortage of labour
(B) Absence of paved roads
(C) Inadequate housing stock
(D) Inadequate shopping facilities

48. Which of the following is the MOST serious problem hindering rapid agricultural development in the Caribbean?

(A) Lack of capital
(B) Rapid soil erosion
(C) A lack of crop variety
(D) A high incidence of crop disease

49. The removal of preferential trade agreements impacts Caribbean traditional export crops because such agreements

(A) stimulate policies
(B) encourage competition
(C) encourage climate change
(D) increase global market shares

50. Which of the following activities is considered a poor farming practice?

(A) Overgrazing
(B) Crop rotation
(C) Strip cropping
(D) Contour ploughing

51. Which of the following statements is true about the sugar cane industry in the Caribbean?

(A) The industry remains the top revenue earner.
(B) There has been a decline in the cost of production.
(C) The industry remains the largest employer in the labour force.
(D) Most of the sugar produced is exported to foreign markets.

52. Which of the following factors has MOST hindered the growth of the food processing industry in the Caribbean?

(A) Market demand
(B) Access to raw materials
(C) Cost of energy resources
(D) Supply of unskilled labour

53. In peasant farming in the Caribbean, the maintenance of the organic content in the soils can be ensured by the

(A) rotation of crops
(B) burning of vegetation
(C) application of manures
(D) use of chemical fertilizers

54. Which of the following is a MAJOR impact of urban sprawl?

(A) Tragic congestion
(B) Increase in open spaces
(C) Reduced risk of flooding
(D) Migration from rural areas

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55. Which of the following is a primary sector activity?

(A) Canning tomatoes
(B) Conducting museum tours
(C) Designing carnival costumes
(D) Blasting boulders in a quarry

56. Which of the following is classified as a tertiary industry?

(A) Fishing
(B) Tourism
(C) Oil refining
(D) Food processing

57. Which of the following factors is/are MOST likely to pose a serious threat to the rivers of the Caribbean?

(A) Landslides
(B) Lumbering
(C) Factory waste
(D) Fishing practices

58. Which of the following actions would a government MOST likely take to influence investors to locate a new factory in a rural area?

(A) Establish schools to educate the young children.
(B) Import all of the new technology for the factory.
(C) Pave the roads and provide a reliable water supply.
(D) Instruct the banks to provide low interest loans.

59. Which of the following factors exert the GREATEST influence on tourism?

(A) Climates
(B) Coral reefs
(C) Historical sites
(D) Tropical forests

60. Which of the following conditions is MOST likely to result from tropical deforestation?

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

END OF TEST

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