

AGA KHAN UNIVERSITY EXAMINATION BOARD

HIGHER SECONDARY SCHOOL CERTIFICATE

CLASS XI

ANNUAL EXAMINATIONS (THEORY) 2023

Geography Paper I

Time: 1 hour 30 minutes Marks: 50

INSTRUCTIONS

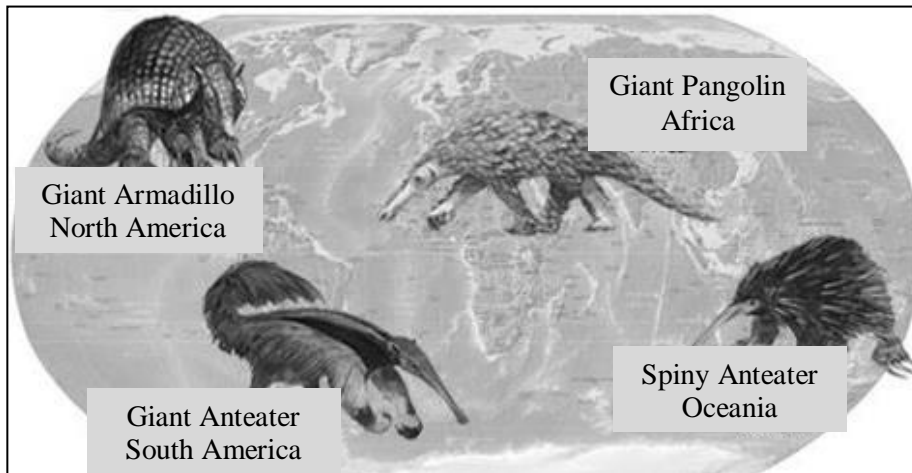
1. Read each question carefully.
2. Answer the questions on the separate answer sheet provided. DO NOT write your answers on the question paper.
3. There are 100 answer numbers on the answer sheet. Use answer numbers 1 to 50 only.
4. In each question there are four choices A, B, C, D. Choose ONE. On the answer grid black out the circle for your choice with a pencil as shown below.

Correct Way	Incorrect Ways
1 (A) (B) (C) (D)	1 (A) (B) (C) (D)
	2 (A) (B) (C) (D)
	3 (A) (B) (C) (D)
	4 (A) (B) (C) (D)

Candidate's Signature

5. If you want to change your answer, ERASE the first answer completely with a rubber, before blacking out a new circle.
6. DO NOT write anything in the answer grid. The computer only records what is in the circles.
7. You may use a scientific calculator if you wish.

1. The MAIN purpose of geography as a subject is to
 - A. understand the physical environment and human distribution.
 - B. gain knowledge of the people and their economic activities.
 - C. relate the past events with the surroundings of the world.
 - D. comprehend the urban planning of the world.
2. The given map is an example of



- A. bio-geographic map.
 - B. environmental map.
 - C. physiographic map.
 - D. topographic map.
3. The measurement of distance from north or south of the Equator is known as
 - A. altitude.
 - B. latitude.
 - C. longitude.
 - D. prime meridian.
4. Aslam starts his journey at longitude 0° at 1:00 pm and has moved towards westward at longitude 10° .
When Aslam started his journey, what would be the time at the place of destination?
 - A. 1:40 pm
 - B. 1:00 pm
 - C. 12:20 pm
 - D. 12:40 pm
5. Country A is located at 175°E longitude and country B is situated at 73°E longitude.
The time difference between these two countries would be
 - A. 1 hour 46 minutes.
 - B. 1 hour 57 minutes.
 - C. 6 hours 48 minutes.
 - D. 7 hours 03 minutes.

6. 1 cm = 250 km

The given scale can be mentioned in the representative fraction as

- A. 1: 25
- B. 1: 2500
- C. 1: 25000
- D. 1: 25000000

7. In a scale drawing, the width of a sofa is 20 cm at the drawing scale of 1:5.

The actual width of the sofa will be

- A. 4 cm.
- B. 15 cm.
- C. 25 cm.
- D. 100 cm.

8. A man walks 1600 metres. On a map, this is shown as 4 cm.

What will be the scale on the map?

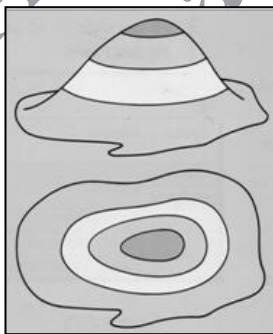
- A. 1 cm: 400 m
- B. 1 cm: 1600 m
- C. 1 cm: 4000 m
- D. 1 cm: 40000 m

9. A map shows a scale of 1 cm: 8 km.

What would be the map distance (in cm) if the actual distance is 160 km?

- A. 20 cm
- B. 152 cm
- C. 168 cm
- D. 1280 cm

10. The given figure represents the method of showing relief on a map that is known as



- A. form lines.
- B. contouring.
- C. fractioning.
- D. layer tinting.

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11. A method of representing relief on a map by depicting the shadows is called

- A. form lines.
- B. spot height.
- C. contouring.
- D. hill shading.

12. Given are the features of one of the internal structures of the Earth.

- It is mainly composed of olivine-rich rock.
- It is mostly solid bulk of Earth's interior.
- It lies between Earth's dense, super-heated core and its thin outer layer.

Based on the given features, the internal structure is identified as

- A. inner core.
- B. outer core.
- C. mantle.
- D. crust.

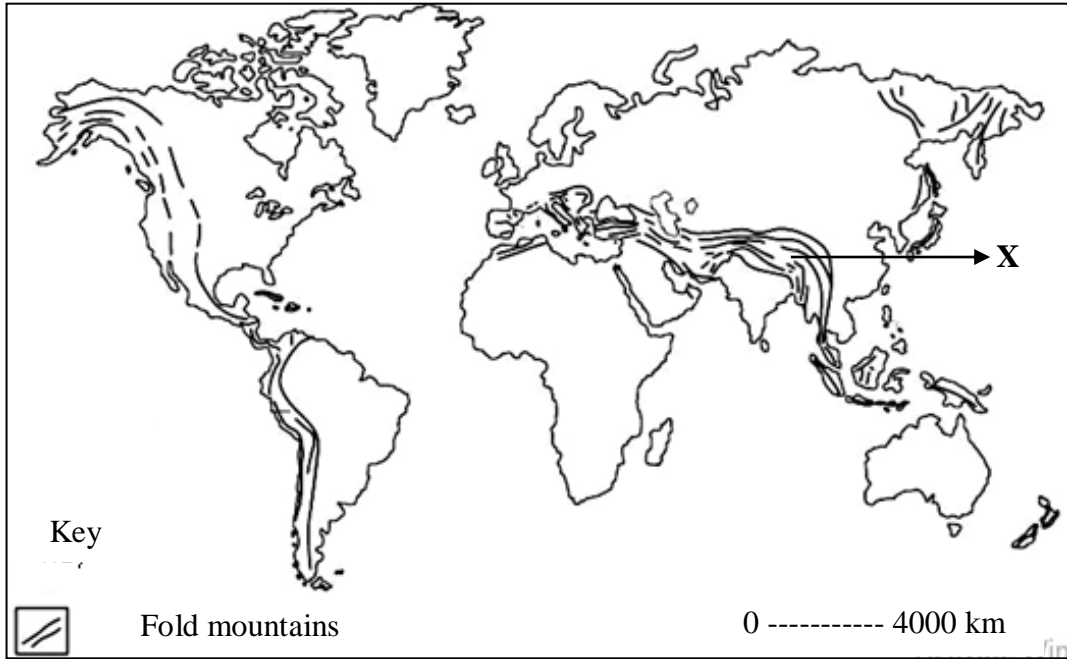
13. Which of the following statements is TRUE about the earthquake?

- A. Water underneath the surface interacts with hot molten rock and creates steam.
- B. The release of energy caused seismic waves to reach the ground.
- C. When molten rock rises to the surface it causes earthquake.
- D. Surface of the rocks suddenly breaks along a fault line.

14. Volcanoes are usually formed on the Earth near

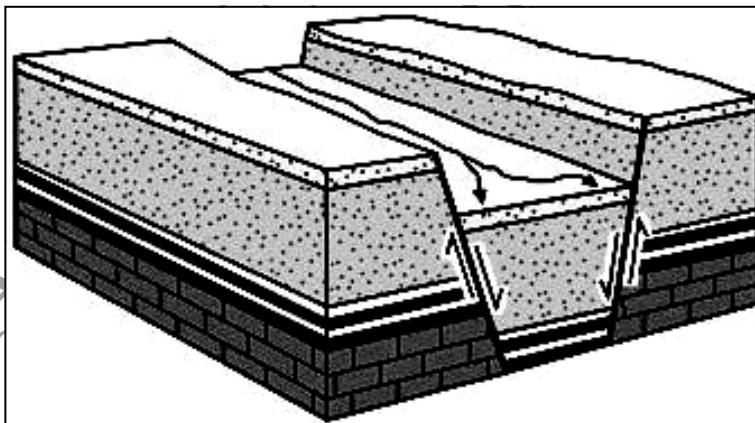
- A. ocean ridges.
- B. subduction zone.
- C. depressional zone.
- D. compressional zone.

15. Which of the following mountains is depicted as 'X' on the given map?



- A. Ural
- B. Alps
- C. Andes
- D. Himalayas

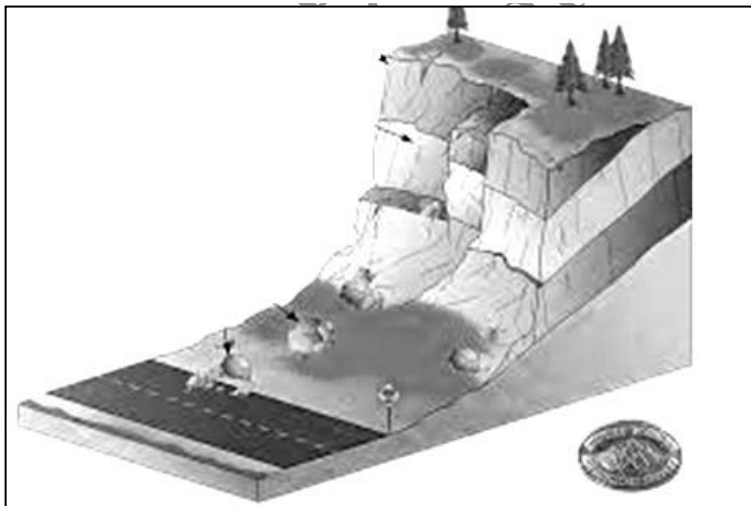
16. The given picture illustrates the formation of



- A. rift valley.
- B. v-shaped valley.
- C. u-shaped valley.
- D. flat floored valley.

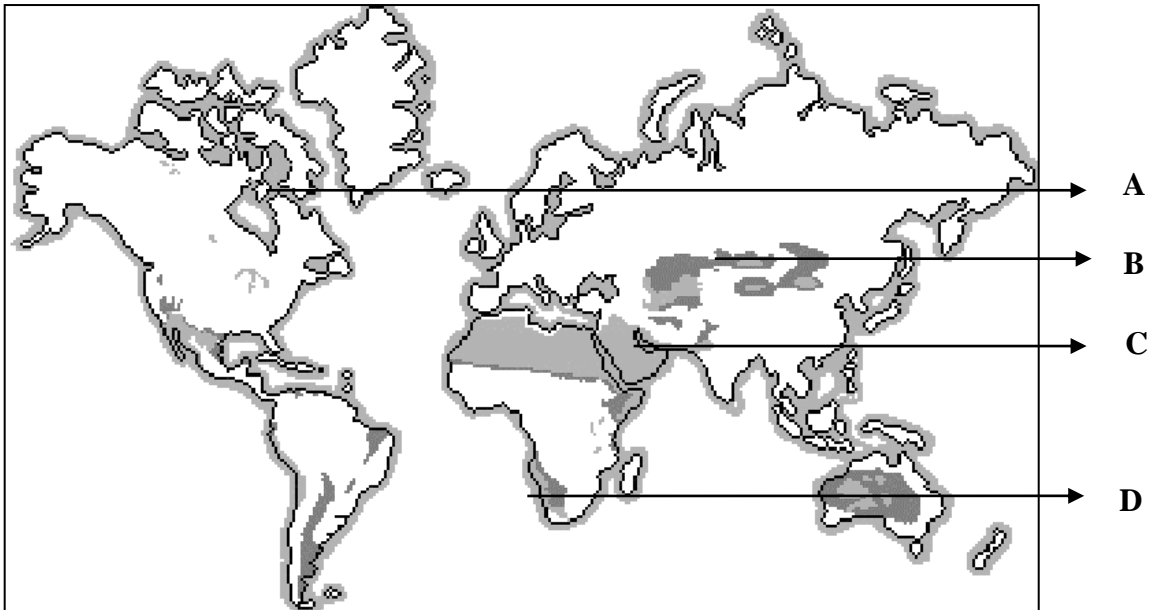
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17. Igneous rocks are formed when
- A. large number of living things die.
 - B. hot, molten rock crystallises and solidifies.
 - C. rocks are exposed to low heat and pressure.
 - D. rocks are carried in rivers and deposited in oceans.
18. Which of the following statements describes the term 'rock cycle'?
- A. Water is pushed up from inside the Earth.
 - B. The heat of the mantle leads to the making and breaking of rocks.
 - C. Rocks are transformed into different phases through heat and pressure.
 - D. The Earth rotates in circles to move rocks from inside the Earth to outside the crust.
19. Granite is an igneous rock which is used in the making of
- A. glass.
 - B. toothpaste.
 - C. kitchen top.
 - D. plastic products.
20. The area where frost wedging or freeze-thaw weathering can be witnessed is a
- A. desert.
 - B. lowland area.
 - C. highland area.
 - D. tropical rainforest.
21. The type of mass movement depicted in the given picture is



- A. soil creep.
- B. landslides.
- C. mud flows.
- D. earthquake.

22. With reference to the given map, Arabian Desert is located at



23. River Indus is one of the major rivers of the world located in the continent of

- A. Asia.
- B. Africa.
- C. South America.
- D. North America.

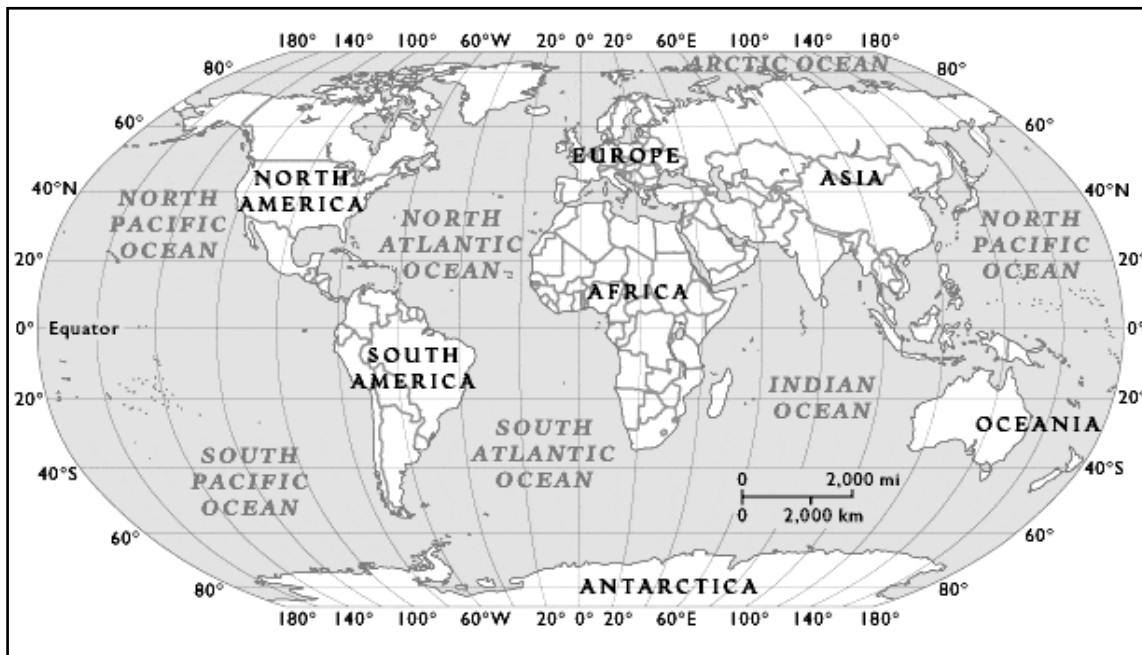
24. What is the name of the river depicted as 'X' in the given map of Asia?



- A. Indus
- B. Yellow
- C. Ganges
- D. Yangtze

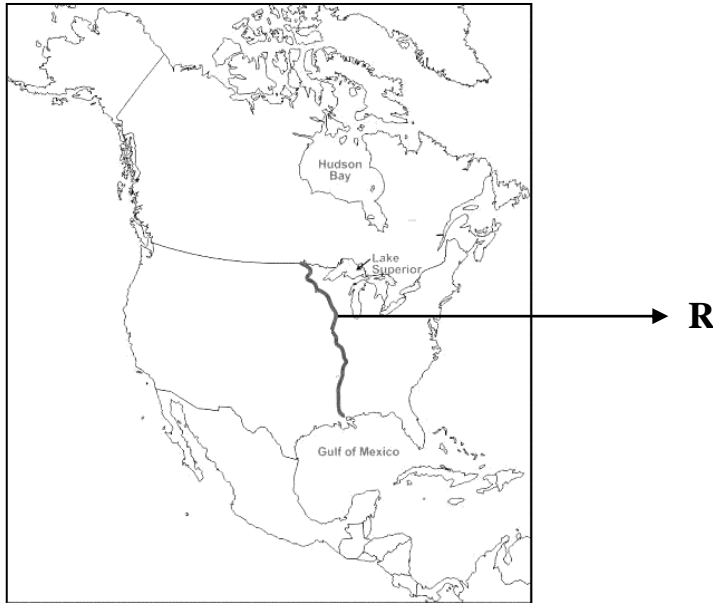
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Use the given globe to answer Q.25 and Q.26.



25. According to the given map, the continent which is situated at the latitude of 35°N to 75°N and at the longitude between 10°W to 60°E , respectively is
- A. Asia.
 - B. Europe.
 - C. South America.
 - D. North America.
26. According to the given map, the continent which is situated at the latitude and longitude between 40°S to 40°N and between 20°W to 40°E , respectively is
- A. Africa.
 - B. Antarctica.
 - C. South America.
 - D. Oceania (Australia).
27. In ancient times, the river system in the continent of Africa was mainly used for irrigation, whereas in modern times, along with irrigation, it is also the main source of
- A. fish farming.
 - B. promotion of tourism.
 - C. transportation of goods.
 - D. generation of electricity.
28. Based on its location, air masses move into the African continent from the sea and circulate more freely because African continent
- A. is surrounded by sea.
 - B. lies on the tropical region.
 - C. has no great mountainous region.
 - D. is smaller in area as compared to the other continents.

29. The 'R' given in the map depicts the River



- A. Nile.
- B. Yangtze.
- C. Amazon.
- D. Mississippi.

30. Read the following statements.

- It stretches some 4,000 miles (6,400 km) across equatorial South America.
- The volume of water it carries surpasses all other rivers, constituting one-fifth of the total flowing fresh water of the world.

The given features describe one of the rivers of South America that is

- A. Orinoco.
- B. Amazon.
- C. São Francisco.
- D. Río de la Plata.

31. The continent of South America is said to be the 'continent of extremes' because it consists of

- A. variations in ethnicities.
- B. different political structures.
- C. the most cold and hot temperature zone.
- D. the largest desert as well as the largest river.

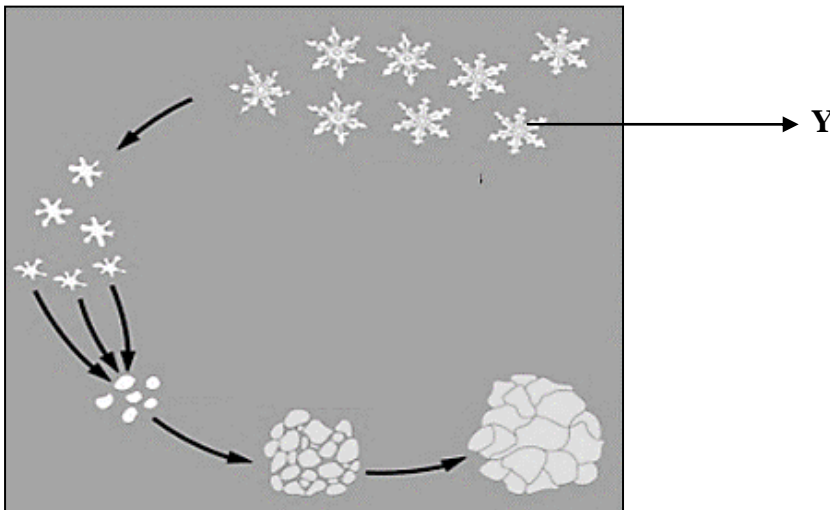
32. Read the following statements.

- It is a prized World Heritage Area.
- It is one of the world's seven natural wonders.
- It is the world's most popular tourist attractions.

The physical feature of Australia described in the given statements is

- A. Coral reef.
- B. Ayers rock.
- C. Murray river.
- D. Western plateaus.

33. The given image shows the formation of a glacier.



The part labelled as 'Y' in the given image refers to

- A. firms.
- B. glacier ice.
- C. snowflakes.
- D. granular snow.

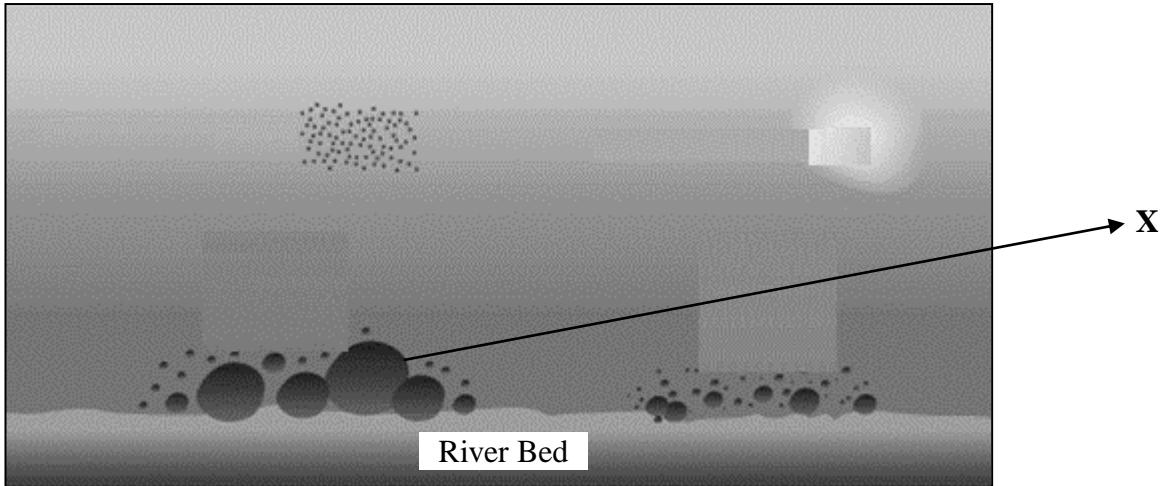
34. Glacier erosion takes place through the process of

- A. abrasion and attrition.
- B. plucking and abrasion.
- C. attrition and hydraulic action.
- D. plucking and hydraulic action.

35. The statement that BEST describes drumlin is that it is

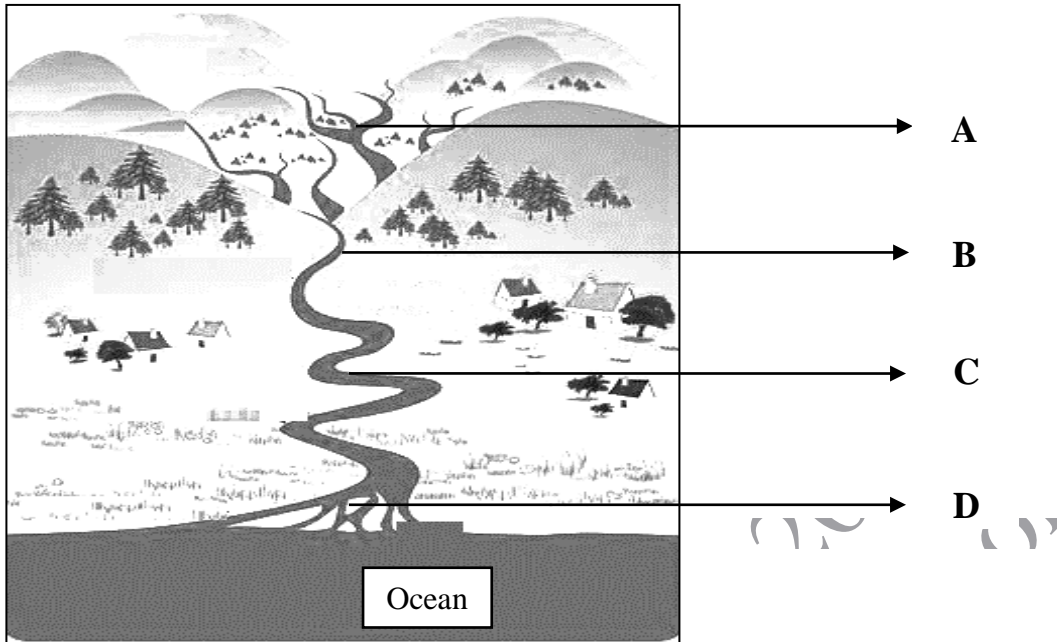
- A. referred as the ridges of unsorted material at the snout of the glacier.
- B. formed by the movement of glacial ice sheets across the rock debris.
- C. a parallel ridge of debris deposited along the sides of a glacier.
- D. a ridge of moraine that runs down the centre of a valley floor.

36. In the given options, the statement that is TRUE about wetted perimeter is that it is the
- A. volume of water moving down a stream.
 - B. process that wears away the riverbed and banks.
 - C. area from which all precipitation flows to a single stream.
 - D. cross-sectional area that is in direct contact with the water.
37. The way of river transportation depicted by 'X' in the given image is



- A. suspension.
 - B. saltation.
 - C. solution.
 - D. traction.
38. All of the following are the causes of river deposition EXCEPT that the river
- A. breaks up the rocks.
 - B. enters a shallow area.
 - C. meets another body of water.
 - D. reduces the capacity to transport material.

39. In the given picture, the delta is represented as



40. Which of the following statements is TRUE about the drainage basin?

- A. It moves material across the Earth's surface by water, wind, ice or gravity.
- B. It is regarded as a closed system because water never leaves.
- C. It is the volume of water that flows only through valleys.
- D. It is used in open channel flows.

41. The coastal landforms depicted in the given image are



- A. caves.
- B. arches.
- C. headlands.
- D. wave-cut platforms.

42. Soil, water and climate are the components of

- A. biotic environment.
- B. human environment.
- C. physical environment.
- D. economic environment.

43. One of the key features of the physical environment is to provide basic needs and opportunities to human beings PRIMARILY for their

- A. social and political development.
- B. social and economic development.
- C. political and religious development.
- D. economic and religious development.

44. A man clears the tropical rain forests for lumbering and farming.

This upsets the balance of the natural environment and may lead to

- I. flooding.
- II. soil erosion.
- III. land pollution.
- IV. shift in the rainfall patterns.

- A. I and III.
- B. II and III.
- C. I, II and IV.
- D. I, III and IV.

45. The physical environment of an area that includes continental shelves, climate and water resources is required to conduct the activity of

- A. mining.
- B. fishing.
- C. hunting.
- D. farming.

46. Which of the following actions CORRECTLY exemplifies as a secondary commercial activity?

- A. Providing consultancy
- B. Selling goods in a market
- C. Extraction of raw materials
- D. Production of finished goods

47. A bank provides loans to farmers.

The commercial activity carried out by the bank in the given statement is

- A. primary.
- B. secondary.
- C. tertiary.
- D. quaternary.

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48. Fatima belongs to a high altitude area of Pakistan. In winter, the temperature of the area falls below the freezing point.

The commercial activity that Fatima can MOST LIKELY perform is

- A. carpet weaving.
 - B. growing of fruits.
 - C. grazing of animals
 - D. mining of minerals.
49. An area contains numerous industries which leads to the problem of disposal of waste. In addition, the government's rules and regulations are also ignored by the people.
- As a teenager, the first step that you need to take in the given situation is to
- A. organise rallies and protest against these industries.
 - B. create awareness about its harmful effects.
 - C. implement laws for the disposal of waste.
 - D. file a complaint against these industries.
50. In the northern areas of Pakistan, people cut trees for domestic purposes which has damaged the country's environment.

The CORRECT step that the government should take to avoid further damage to the environment is to

- A. supply natural gas to the people of the northern areas.
- B. provide forest laws to the people of the northern areas.
- C. enforce farm forestry programmes in the northern areas.
- D. restrict the use of domestic machinery in the northern areas.

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