



# Primrose Schools

Affiliated to the CISCE Board for ICSE & ISC  
Affiliated to the Cambridge University for IGCSE, AS & A Level  
An ISO 9001:2015 Certified Institution

## NATIONAL PRIMTALENT OLYMPIAD EXAMINATIONS GEOGRAPHY

**CLASS**  
**9**

Name :

Section :

Roll no :

### Guidelines for the Candidates

1	Please check your Name, Class and Section on the OMR sheet provided to you.
2	In case, OMR sheet with your name is missing, please fill in information about yourself in the blank sheet provided before start of exam.
3	All questions are compulsory. There is no negative marking. Use of calculator is not permitted.
4	There is only <b>ONE</b> correct answer. Choose only ONE option for an answer.
5	To mark your choice of answers by darkening the circles in OMR sheet, use <b><u>HB Pencil or Blue/Black ball point pen</u></b> only.
6	Rough work should be done in the blank space provided in the booklet.
7	Return the OMR sheet to the invigilator at the end of the exam
8	Please fill in your personal details in space on the top of this page before attempting the paper

## SECTION A - LOGICAL REASONING

1. Identify which of the following features is not formed in the middle course of the river.

- A. Meander
- B. V-shaped valley
- C. Levee
- D. Waterfall

2. Identify the presence of gases in the atmosphere in an increasing order.

- A. Oxygen, Nitrogen, Other gases
- B. Nitrogen, Oxygen, Other gases
- C. Other gases, Nitrogen, Oxygen
- D. Oxygen, Other gases, Nitrogen

3. Gutenberg discontinuity is the boundary between

- A. Asthenosphere and lithosphere
- B. Mesosphere and Asthenosphere
- C. Mantle and Core
- D. Crust and Mantle

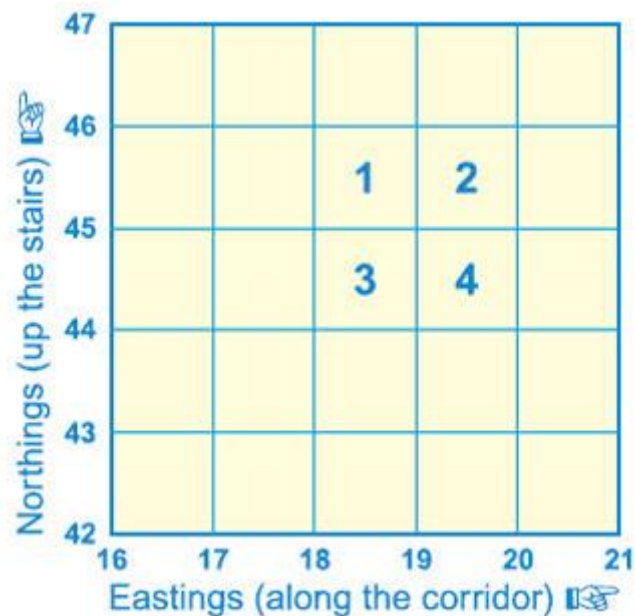
4. The collective term for the chemical, physical and biological changes that occur between deposition of a sediment and formation of sedimentary rock

- A. Lithification
- B. Precipitation
- C. Weathering
- D. Rock cycle

5. Choose the correct route of the Monsoon winds in India

- A. South west India, north west India, north east India, south east India
- B. Western India, eastern India, south east India, south west India
- C. North east India, south west India, north west India, east India
- D. Eastern India, south east India, south west India, north west India

6. Identify the correct six figure references from the options.



- A. 1= 185454, 2= 194454, 3=185445,4=195445
- B. 1= 185454, 2= 184454, 3=185445,4=185445
- C. 1= 195454, 2= 194454, 3=185445,4=185445
- D. 1= 195454, 2= 184454, 3=185445,4=195445

7. Coriolis Effect is related to deflection of winds and currents

- A. To the left in the Northern Hemisphere
- B. To the right in the Northern Hemisphere
- C. To the left in the Southern Hemisphere
- D. To the right in the Southern Hemisphere

8. If E is Exosphere, TH is Thermosphere, S is Stratosphere, M is Mesosphere, I is Ionosphere and T is Troposphere, find out the correct sequence from the following, when starting from the surface of the earth.

- A. T,E,S,M,TH,I
- B. T,S,M,I, TH,E
- C. T, TH, I, M, S, E
- D. TH, T, M, S, E,I

9. During a Solstice Day

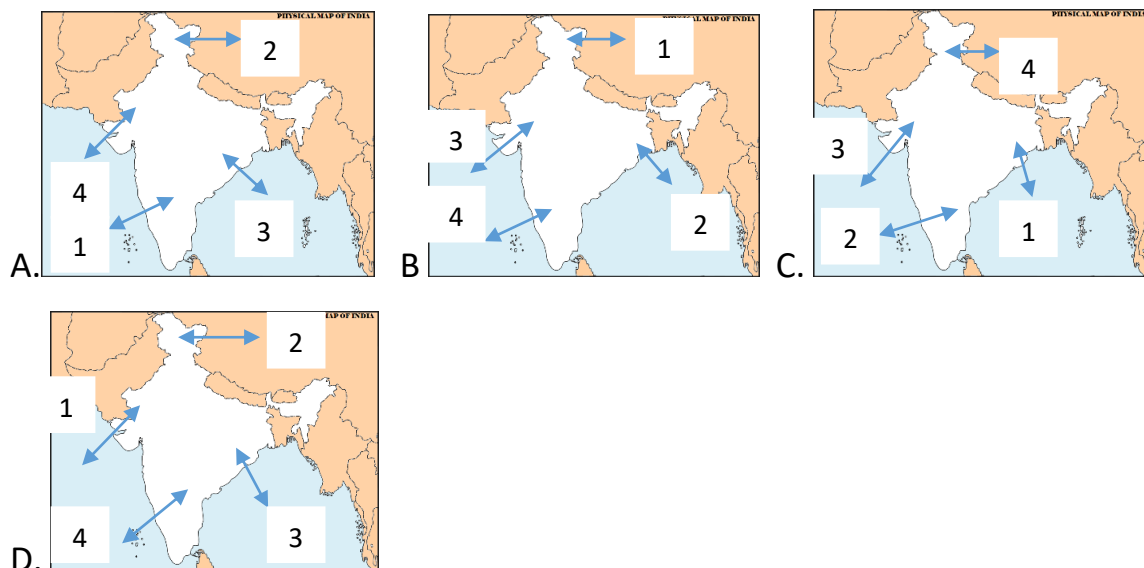
- A. The midday sun shines vertically over the Tropic of Capricorn and the Arctic Circle
- B. The midday sun shines vertically over the Tropic of Capricorn and the Antarctic Circle
- C. The midday sun shines vertically over the Tropic of Capricorn and the Tropic of Cancer
- D. The midday sun shines vertically over the Arctic Circle and the Antarctic Circle

10. When the North Pole is inclined towards the Sun

- A. There are longer days and shorter nights in the Northern Hemisphere
- B. There are shorter days and longer nights in the Northern Hemisphere
- C. There are shorter days and longer nights in the Southern Hemisphere
- D. There are shorter days and longer nights in the Northern Hemisphere

### SECTION B - NATIONAL GEOGRAPHY

11. Identify the map with correct marking of the physical divisions, if 1=Northern mountains, 2= Northern Circars, 3= Thar desert, 4= Southern plateau



12. The Sunderbans delta is in found in the state of

- A. Bihar
- B. Karnataka
- C. West Bengal
- D. Uttar Pradesh

13. The Eastern coastal of India is also called as

- A. The Northern Circars
- B. The Coromandel coast
- C. The Malabar coast
- D. The Konkan coast

14. The last point of Indian territory is

- A. Indira Point
- B. Cape Comorin
- C. Kanyakumari
- D. Gulf of Mannar

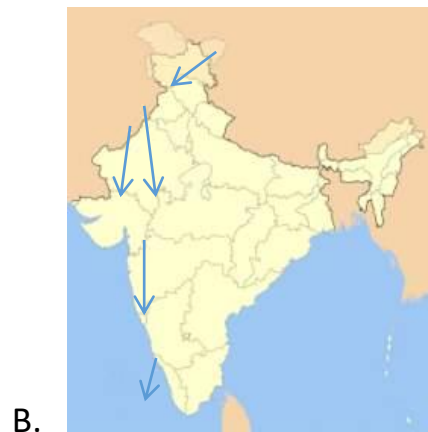
15. Choose the correct statement from the following-

- A. The Eastern coastal plains are longer and narrower.
- B. The Eastern coastal plains are wider than the western coastal plains.
- C. The Western coastal plains are divided into Northern Circars and Coromandel coast.
- D. The Western coastal plains are divided into Konkan coast and Malabar coast.

16. Which of the following is the correct latitudinal position of India -

- A. 6 degree 4'N and 30 degree 6'N
- B. 10 degree 4'N and 37 degree 6'N
- C. 4 degree 4'N and 40 degree 6'N
- D. 8 degree 4'N and 37 degree 6'N

17. Refer to the given maps and point out the wrong image of the map showing the route of monsoon winds from among the options.



18. The Retreating Monsoons in India occur in the months of

- A. February – March- April
- B. January – February - March
- C. September-October- November
- D. July – August - September

19. The number of countries that share land boundary with India are

- A. Seven
- B. Six
- C. Eight
- D. Five

20. From which of the following do the Western Disturbances originate?

- A. Arabian Sea
- B. Bay of Bengal
- C. Mediterranean Sea
- D. Red Sea

### SECTION C - WORLD GEOGRAPHY

21. The longest river of Europe is

- A. Danube
- B. Rhine
- C. Mississippi
- D. Volga

22. The ocean that prevents the coastal areas of Europe from freezing is

- A. The Kuroshio current
- B. The Gulf Stream
- C. The North Atlantic Drift
- D. The South Equatorial current

23. The International Dateline passes through

- A. Greenwich in London.
- B. The middle of Pacific ocean
- C. The middle of Atlantic ocean
- D. Allahabad

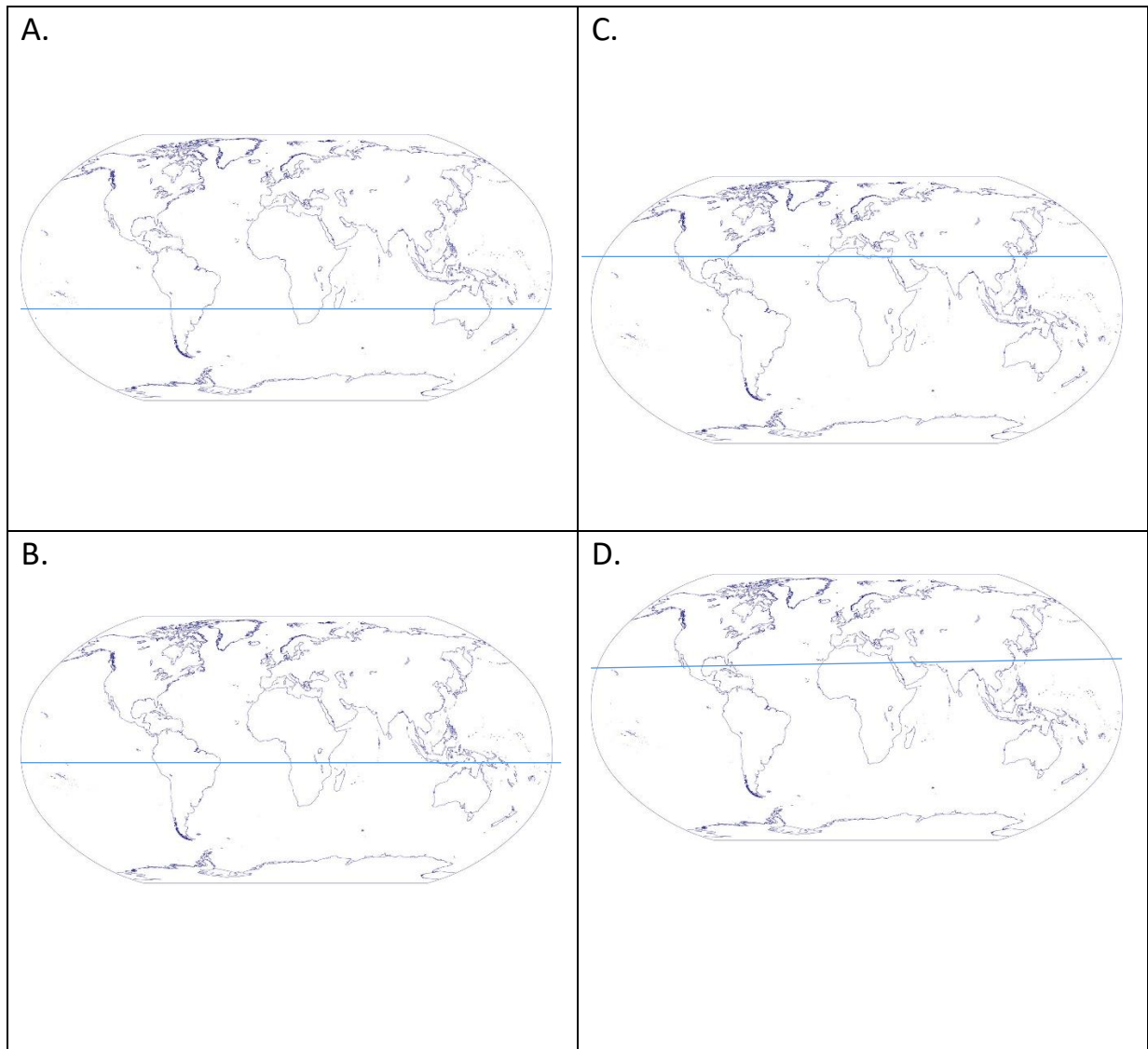
24. The Prairies are found in



25. Choose the correct match from the following -

- |                |               |
|----------------|---------------|
| A. Urals       | Europe        |
| B. Drakensberg | North America |
| C. Caucasus    | Australia     |
| D. Andes       | Africa        |

26. Which one of the following maps is correct in showing the marking of the Tropic of Capricorn.



27. Temperate grasslands in Europe are called as

- A. Prairies
- B. Pustaz
- C. Downs
- D. Steppes



28. Atlas mountain is in which of these continents?

- A. Africa
- B. Europe
- C. Australia
- D. Asia

29. Taiga region is basically

- A. Deciduous forests
- B. Coniferous forests
- C. Equatorial forests
- D. Cold deserts

30. Xerophytes are found prominently in

- A. Equatorial forests
- B. Tundra region
- C. Temperate grasslands
- D. Tropical Deserts

### **SECTION D - GEOGRAPHY AS AN APPLIED SCIENCE**

31. The Sun and the other celestial bodies appear to move in the sky from east to west due to

- A. Revolution of the Earth
- B. Rotation of the Earth
- C. Coriolis Effect
- D. Gravitational pull

32. Which of the following statements is incorrect?

- A. Neap Tides are high tides lower than and low tides higher than at normal times
- B. Spring Tides are high tides lower than and low tides higher than at normal times
- C. Neap Tides are high tides higher than and low tides higher than at normal times
- D. Spring Tides are high tides higher than and low tides higher than at normal times

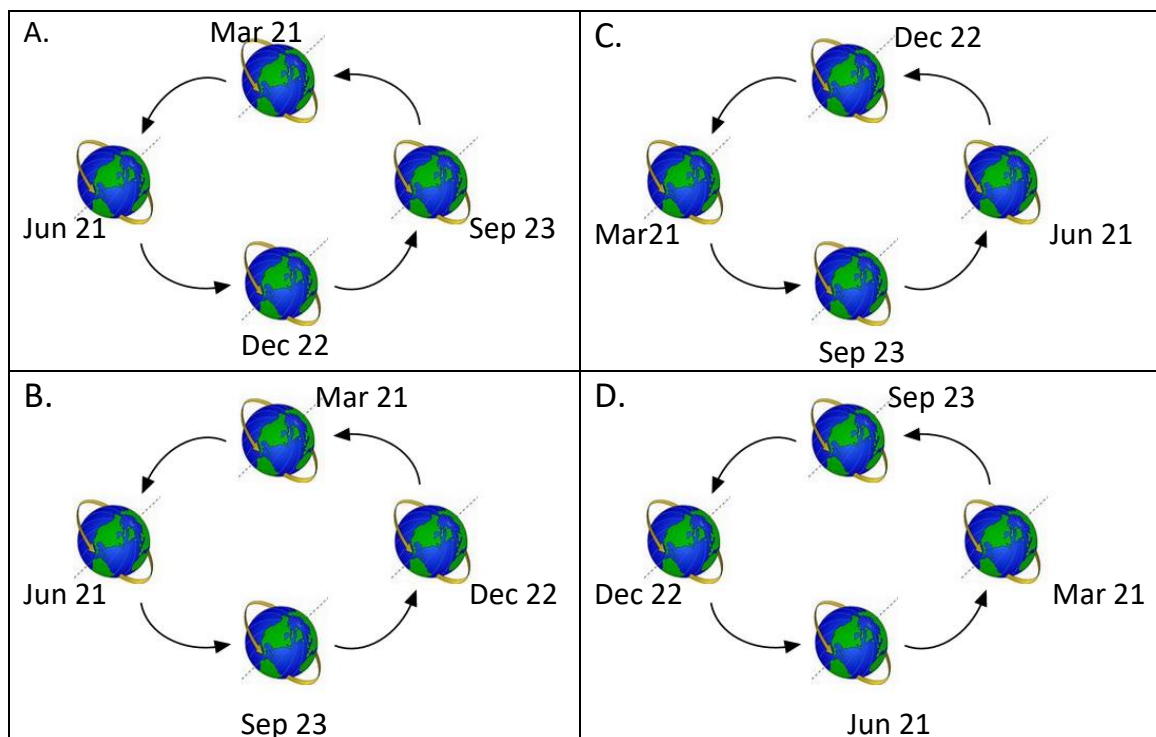
33. Which of the following statements is correct?

- A. If there is a high tide at 7 a.m., the next high tide will occur at 8 p.m. and the subsequent one will be at 9 a.m. and so on.
- B. If there is a high tide at 7 a.m., the next high tide will occur at 8.30 p.m. and the subsequent one will be at 9 a.m. and so on.
- C. If there is a high tide at 7 a.m., the next high tide will occur at 8 p.m. and the subsequent one will be at 9 a.m. and so on.
- D. If there is a high tide at 7 a.m., the next high tide will occur at 7.26 p.m. and the subsequent one will be at 7.52 a.m. and so on.

34. Choose the correct statement/statements from the given options.

- A. Ocean currents move in an anti-clockwise direction in the Northern hemisphere.
- B. Ocean currents move in a clockwise direction in the Northern hemisphere.
- C. Ocean currents move in an anti-clockwise direction in the Southern hemisphere.
- D. Ocean currents move in a clockwise direction in the Southern hemisphere.

35. Identify the correct position of the earth in the appropriate date



36. The difference of longitude between place A and the Prime Meridian is 120 degrees towards the west. Therefore, the time difference between place A and the Prime Meridian is

- A. 3 hours
- B. 8 hours
- C. 10 hours
- D. 6 hours

37. Which of the given processes cannot happen?

- A. Igneous rock → heat and or pressure → metamorphic rock
- B. Igneous rock → weathering and erosion → burial → deposition → cementation → sedimentary rock
- C. Sedimentary rock → melting → solidification → metamorphic rock
- D. Metamorphic rock → melting → solidification → igneous rock

38. Newfoundland has thick fog all the year round because

- A. It is found in the Frigid zone.
- B. The cold Gulf Stream current and the warm Labrador current meet each other.
- C. The warm Gulf Stream current and the cold Labrador current meet each other.
- D. It is found in the Equatorial zone.

39. Which of the following formulae is correct?

A. Relative humidity = The max amount of vapour in the air

$$\frac{\text{The actual amount of water vapour in the air}}{\text{The max amount of vapour in the air}} \times 100$$

B. Absolute humidity = The actual amount of water vapour in the air

$$\frac{\text{The actual amount of water vapour in the air}}{\text{The max amount of vapour in the air}} \times 100$$

C. Absolute humidity =  $\frac{\text{The max amount of vapour in the air}}{\text{The actual amount of water vapour in the air}} \times 100$

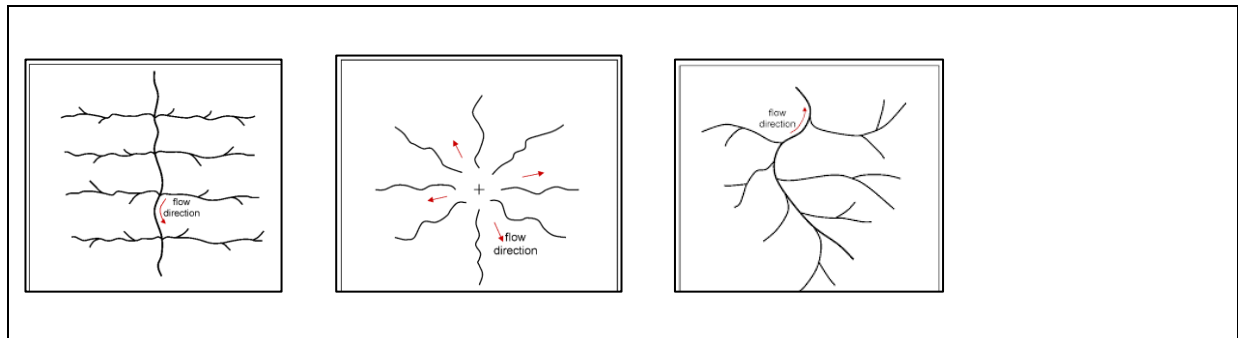
D. Relative humidity =  $\frac{\text{The actual amount of water vapour in the air}}{\text{The max amount of vapour in the air}} \times 100$

40. A person travelling from Mumbai to London has to alter his watch because
- A. The time at Mumbai will be 5 hours and 30 minutes ahead of London.
  - B. The time at London will be 5 hours and 20 minutes later than time at Mumbai.
  - C. The time at Mumbai will be 5 hours and 20 minutes later than time at London.
  - D. The time at Mumbai will be 5 hours and 20 minutes ahead of London.

### SECTION D – ACHIEVERS' SECTION

41. The Torrid zone lies
- A. Between 66 ½ degree N Latitude and 90 degree N latitude
  - B. Between 0 degree N Latitude to 23 ½ degree N and 23 ½ degree S of Equator
  - C. Between 0 degree N Latitude to 66 ½ degree N and 66 ½ degree S of Equator
  - D. Between 23 ½ degree N Latitude and 90 degree N latitude

42. Identify the drainage patterns –



- A. from left to right - dendritic, radial, trellis
- B. from right to left - dendritic, radial, trellis
- C. from left to right - radial, trellis, dendritic
- D. from right to left - dendritic, trellis, radial

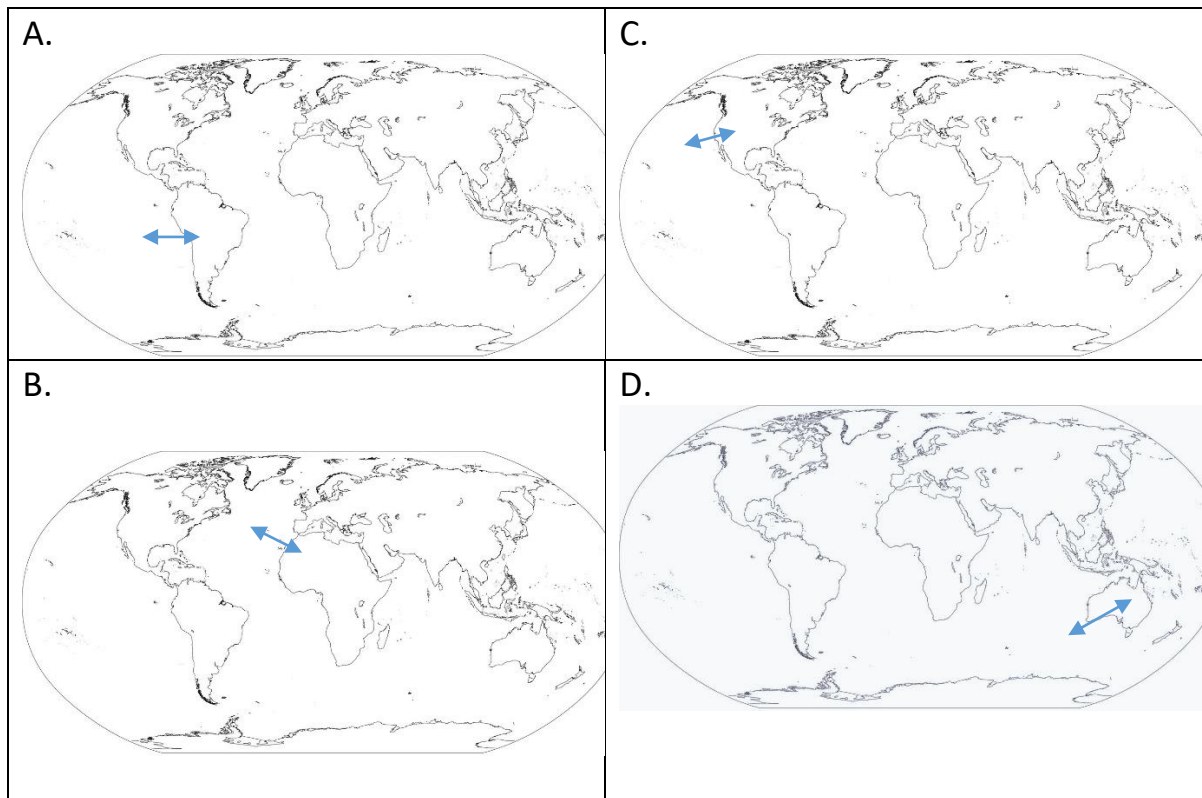
43. Which one of the following is the correct match

- |               |                     |
|---------------|---------------------|
| A. Sills      | Intrusive landforms |
| B. Diagonal   | Sills               |
| C. Dykes      | Extrusive           |
| D. Horizontal | Dykes               |

44. The continents of the world were formed due to

- A. Coriolis Force
- B. Continental Drift Theory
- C. Ferrel's Law
- D. Antipodal balance

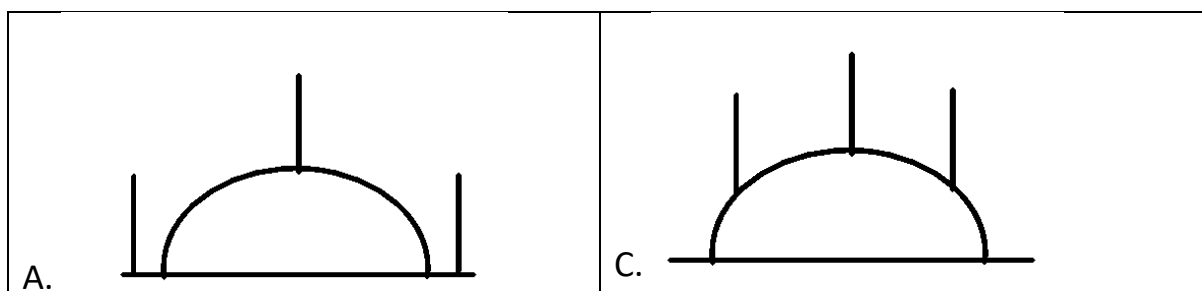
45. Choose the map with the correct location of the Atlas mountains

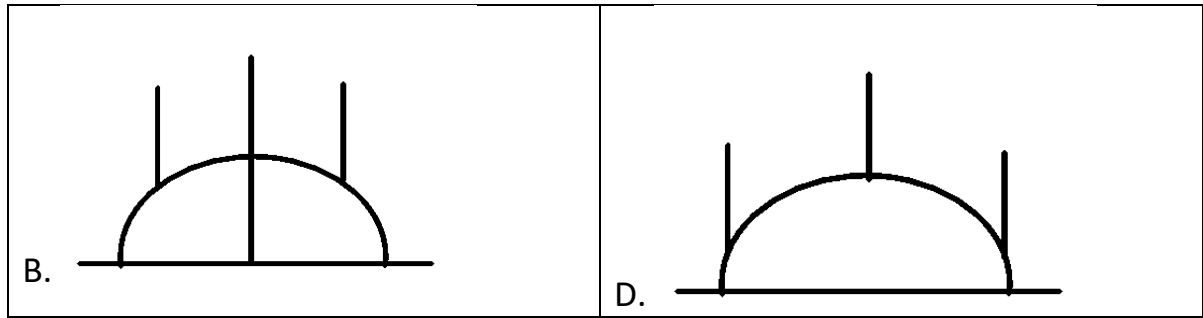


46. If the Earth's axis had been perpendicular to the plane of the orbit?

- A. Days would be longer in the Eastern Hemisphere than the Western hemisphere
- B. Nights would be shorter in the Northern hemisphere than the Southern hemisphere
- C. One hemisphere of the earth will see only day time.
- D. Day and night duration would have been equal throughout the world.

47. Which one of the following is the correct representation of the Bedford Canal experiment?





48. Which is the correct option of the Ocean sizes in decreasing order?

- A. Pacific Ocean, Indian Ocean, Atlantic Ocean, Arctic Ocean
- B. Arctic Ocean, Pacific Ocean, Indian Ocean, Atlantic Ocean
- C. Pacific Ocean, Atlantic Ocean, Indian Ocean, Arctic Ocean
- D. Atlantic Ocean, Indian Ocean, Arctic Ocean, Pacific Ocean

49. Choose the correct option -

- A. The zone between the Prime Meridian and 180 degree W longitude is called the Eastern hemisphere.
- B. The zone between the Prime Meridian and 180 degree W latitude is called the Eastern hemisphere.
- C. The zone between the Prime Meridian and 180 degree E longitude is called the Eastern hemisphere.
- D. The zone between the Prime Meridian and 180 degree E latitude is called the Eastern hemisphere.

50. Which of the following represents the closest distance between the earth and the moon?

- A. Perihelion
- B. Perigee
- C. Apogee
- D. Aphelion