



# 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  
10**

Name :

Section :

Roll no :

### Guidelines for the Candidates

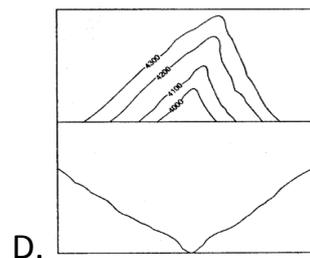
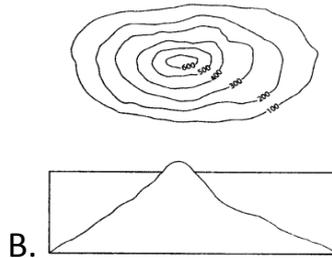
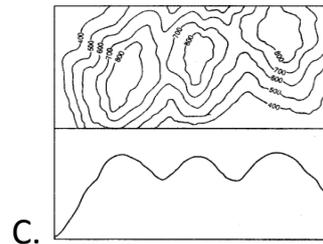
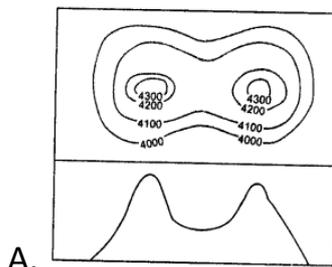
1	Please check your Name, Class and Section on the OMR sheet provided to you.
2	In case, OMR sheet with your name is missing, please fill in information about yourself in the blank sheet provided before start of exam.
3	All questions are compulsory. There is no negative marking. Use of calculator is 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. Which of these regions has Equatorial Rainforests?

- A. Eastern side of Eastern Ghats
- B. Western side of Western Ghats
- C. Western side of Eastern Ghats
- D. Eastern side of Eastern Ghats

2. Identify the cross section of a ridge from the options given below



3. Xerophytes are found in

- A. Tropical Evergreen forests.
- B. Mangrove forests
- C. Tropical deserts
- D. Tropical deciduous forests

4. Which of the following statements is correct?

- A. Leaching occurs in areas of Tropical deserts
- B. Leaching occurs in alluvial soils
- C. Leaching occurs in areas of Tropical rains
- D. Leaching occurs in red soil.

5. Choose the correct match from the following options-

- A. Old alluvium – coarser texture
- B. New alluvium – finer texture
- C. Bhangar – coarser texture
- D. Khadar – finer texture

6. Which of the given statements is incorrect?

- A. Per hectare production is high but total production is low in extensive agriculture
- B. Per hectare production is high but total production is low in intensive agriculture
- C. Per hectare production is low but total production is high in intensive agriculture
- D. Per hectare production is low but total production is high in extensive agriculture

7. Press mud is

- A. A by-product of coffee
- B. Used for manufacture of polish
- C. A by-product of sugarcane
- D. Used for building purposes

8. Across which of these rivers is the Bhakra Nangal project built?

- A. Kaveri
- B. Sutlej
- C. Narmada
- D. Tungabhadra

9. Which of these statements is incorrect

- A. Pulses are leguminous crops
- B. Pulses can be grown both in summer and winter
- C. Pulses help in nitrogen fixation
- D. Pulses are grown only in summer

10. Which of the following winds turn into South West monsoon winds?

- A. South West Trade winds
- B. Westerlies
- C. South East Trade winds
- D. Western Disturbances

## SECTION B - NATIONAL GEOGRAPHY

11. Which of these statements about soils in India is incorrect?

- A. Alluvial soil covers 40 per cent area of India.
- B. Black soil lacks nitrogen and humus.
- C. Black soil has self ploughing quality.
- D. Red soil retains moisture.

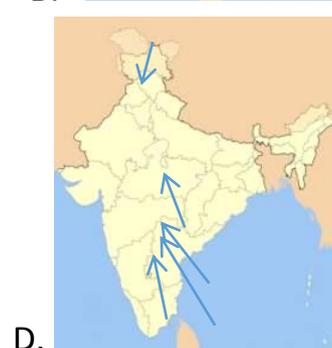
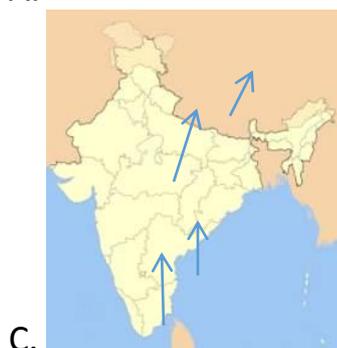
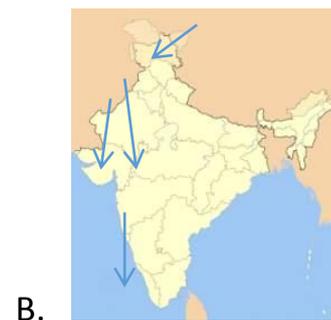
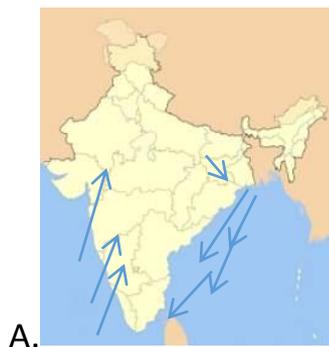
12. Which of the following mountain ranges form a dividing line between the Ganges Plain and the Deccan Plateau?

- A. Vindhya
- B. Aravalli
- C. Satpura
- D. Jaintia

13. The land frontier of India is about 15200 KM. Which of the following countries shares the largest border length with India:

- A. Pakistan
- B. China
- C. Nepal
- D. Bangladesh

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



15. The Eastern Ghats meet the Western Ghats in

- A. Nilgiri hills
- B. Cardamom hills
- C. Anamudi hills
- D. Sahyadri hills

16. Chambal and Betwa are tributaries of

- A. Ganga
- B. Indus
- C. Yamuna
- D. Tungabhadra

17. The gas leak that happened in Bhopal leading to a huge tragedy was of

- A. Methyl Cyanate
- B. Methyl Isocyanate
- C. Sulphur dioxide
- D. Nitrogen oxide

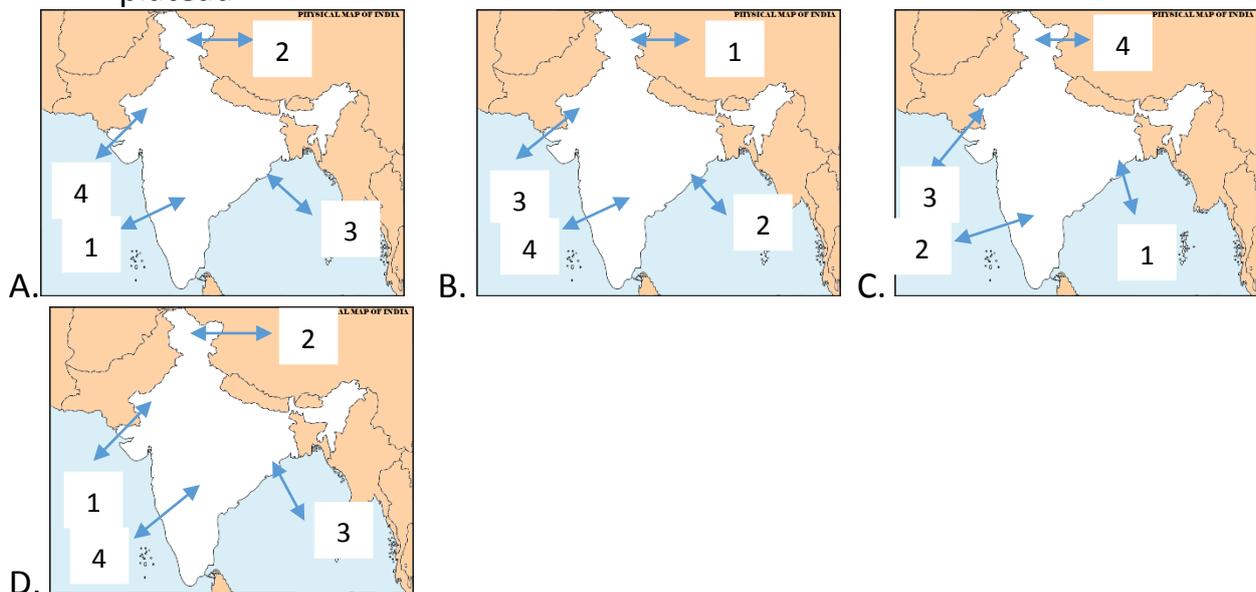
18. Chilika, the largest brackish water lake in India is in

- A. Andhra Pradesh
- B. West Bengal
- C. Odisha
- D. Karnataka

19. The last point of Indian territory is

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

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



21. 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

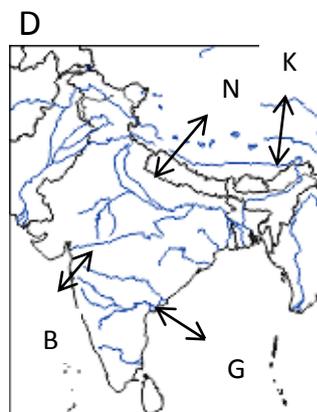
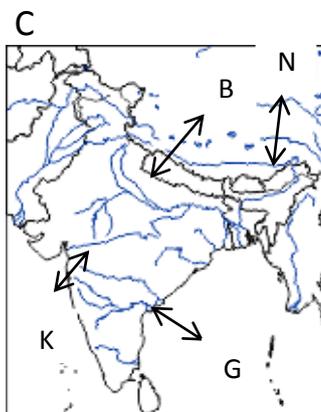
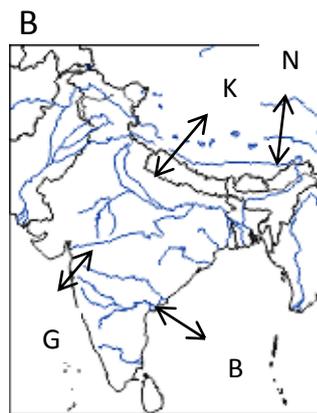
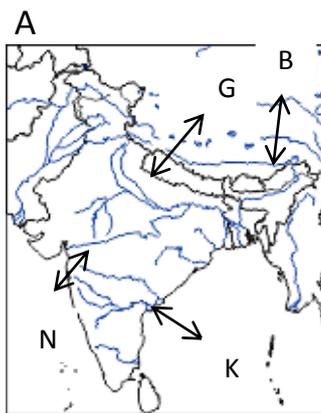
22. The Sunderbans delta is in found in the state of

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

23. Which of these forests do not have thick undergrowth?

- A. Rainforests
- B. Littoral forests
- C. Tidal forests
- D. Monsoon forests

24. Identify the right map with the correct markings on the mentioned rivers if K=Krishna, G= Ganga, N= Narmada and B=Bramhaputra



25. Which of the given options is true about Tropical cyclones?

- A. They are more active in winter
- B. They originate over the Mediterranean Sea.
- C. They originate south of the Tropic of Cancer.
- D. They are associated with low velocity winds.

26. Which of the following states is the largest producer of bauxite?

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

27. Tata Iron and Steel Company procures coal and hydroelectricity from

- A. Singareni and Hirakud project respectively
- B. Bokaro and Damodar valley project respectively
- C. Jharia and Damodar Valley Project respectively
- D. Raniganj and Bhakra Nangal project respectively

28. Cotton crop requires a temperature of

- A. 20 degree to 32 degree Celsius
- B. 10 degree to 20 degree Celsius
- C. 30 degree to 40 degree Celsius
- D. 5 degree to 15 degree Celsius

29. Harvesting of Kharif crops in India takes place in

- A. the beginning of March
- B. the end of March
- C. the end of December
- D. the beginning of November

30. Which of the following is the right match?

- A. Wheat            Kharif
- B. Oranges        Zayad
- C. Rice             Rabi
- D. Sugarcane      Zayad

## SECTION C - GEOGRAPHY AS AN APPLIED SCIENCE

31. The Tropic of Cancer lies parallel to which of the given options?

- A. Isotherm of 20 degree Celsius
- B. Isobar of 20 degree Celsius
- C. Isotherm of 50 degree Celsius
- D. Isobar of 50 degree Celsius

32. The Golden Quadrilateral Superhighways link

- A. Delhi-Chennai-Mumbai-Kolkata Delhi
- B. Delhi-Kolkata-Delhi-Mumbai- Delhi
- C. Delhi-Kolkata-Chennai-Mumbai- Delhi
- D. Delhi-Mumbai-Chennai-Kolkata- Delhi

33. The latitudinal extent of India is

- A. 8 degree 4'N to 37 degree 6'N
- B. 10 degree 4'N to 38 degree 6'N
- C. 9 degree 4'N to 37 degree 6'N
- D. 10 degree 3'N to 38 degree 6' N

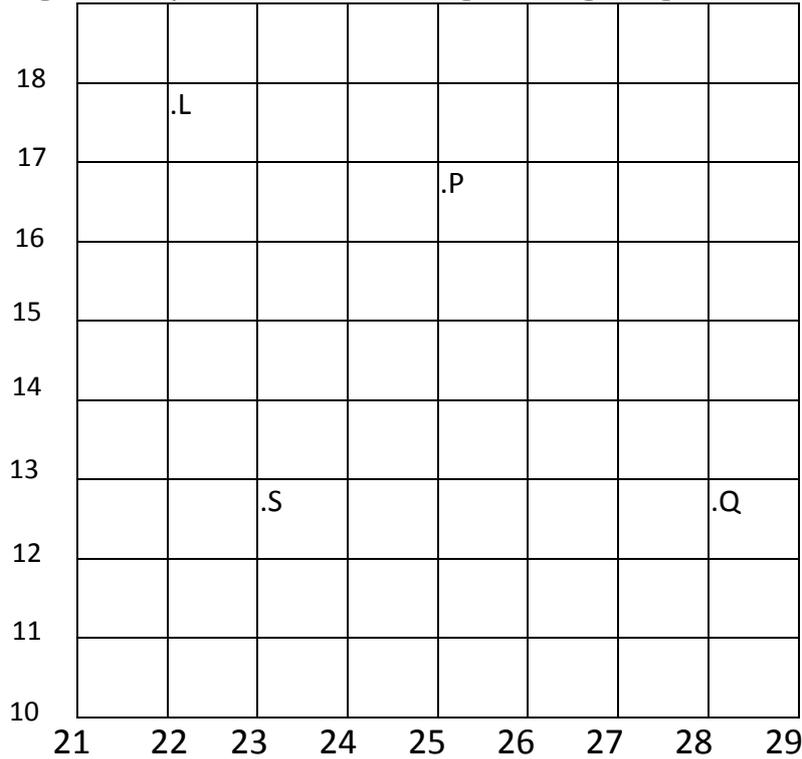
34. . The states through which the Central Meridian passes are

- A. Andhra Pradesh, Chattisgarh, Uttar Pradesh, Madhya Pradesh and Bihar
- B. Andhra Pradesh, Chattisgarh, Uttar Pradesh, Madhya Pradesh and Odisha
- C. Andhra Pradesh, Chattisgarh, Jharkand, Madhya Pradesh and Odisha
- D. Andhra Pradesh, Chattisgarh, Jharkand, Uttar Pradesh and Odisha

35. The meridian chosen to derive the Indian Standard Time is

- A. 80 degree 30'W
- B. 80 degree 30'E
- C. 82 degree 30'W
- D. 82 degree 30'E

36. Refer to the grid and point out the wrong four-figure grid reference.



- A. Point S = 2312
- B. Point L = 2211
- C. Point Q = 2511
- D. Point P = 2515

37. Which of the following statements is incorrect?

- A. Areas with high temperature will have low pressure.
- B. Areas with low temperature will have high pressure.
- C. Areas with high temperature will have high pressure.
- D. Areas with low pressure will have low temperature.

38. Study the given climatic data and select the correct answer from the given options-

month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
temp in degree C	24.5	25.7	27.7	20.4	30.0	32.5	31.0	30.2	29.8	28.0	25.9	24.7

The annual range of temperature experienced by the station is

- A. 20 degree C
- B. 12.1 degree C
- C. 12.5 degree C
- D. 20.1 degree C

39. Choose the statement/ statements that are incorrect –

- A. In situ soils are transported soils
- B. Laterite soils as in-situ soils
- C. Ex situ soils are transported soils
- D. Alluvial soil is in-situ soil

40. Study the given climatic data and select the correct answer from the given options-

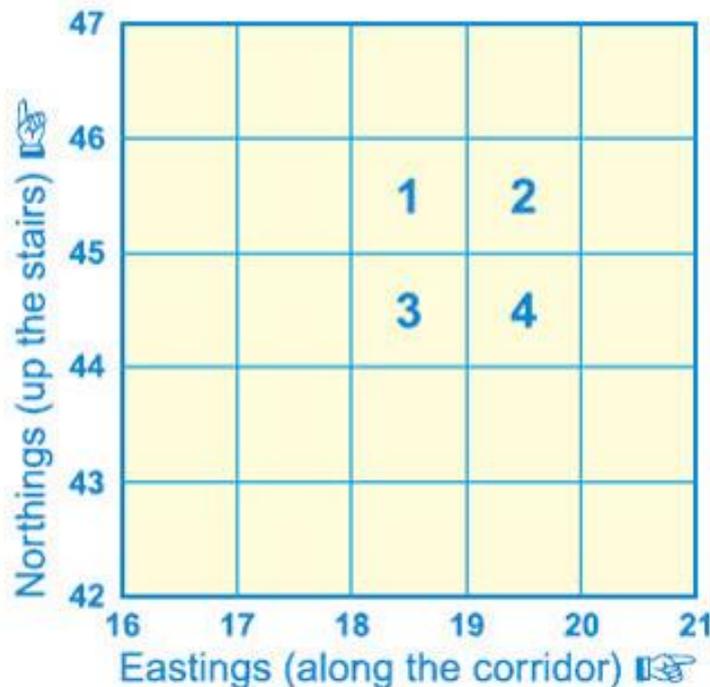
month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
rain in cm	4.6	1.8	1.3	1.8	3.8	4.5	8.7	11.3	11.9	30.6	35.0	13.9

The annual rainfall in the station is

- A. Above 150 cm
- B. Below 130 cm
- C. 150 cm
- D. Between 120 and 130 cm

### SECTION D - ACHIEVER'S SECTION

41 . 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

42. Short staple cotton has

- A. less than 10 mm length of the cotton fibre.
- B. less than 5 mm length of the cotton fibre.
- C. less than 20 mm length of the cotton fibre.
- D. more than 20 mm length of the cotton fibre.

43. Metre gauge railway lines are

- A. between 2 to 3 m in width
- B. between 1 to 2 m in width
- C. between 1 to 3 m in width
- D. 1 metre in width

44. Which of these statements is incorrect?

- A. Construction of inundation canals is cheaper
- B. Barrages are constructed in inundation canals
- C. Perennial canals provide water throughout the year
- D. Inundation canals provide water only during times of floods

45. The months of Retreating Monsoons are

- A. March to May
- B. June to September
- C. November to March
- D. October to November

46. Formlines in a topographic map

- A. are black lines in dashes
- B. indicate level topography
- C. are extensions of contours.
- D. are red lines in dashes

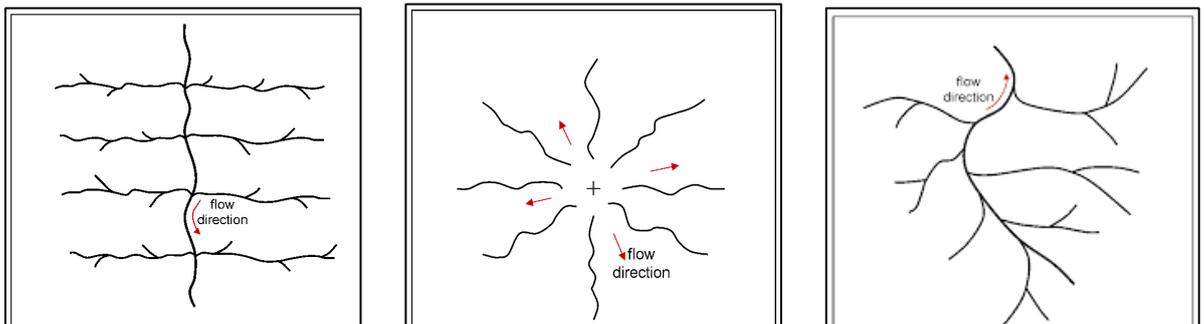
47. Mangalore and Chennai approximately lie on the same latitude, yet Mangalore receives its annual rainfall from June to September, while Chennai gets its rainfall in November and December. This happens because

- A. Mangalore is on the windward side of the Western Ghats
- B. Chennai is on the windward side of the Western Ghats.
- C. Mangalore is in the rain-shadow area of the Western Ghats.
- D. Chennai lies in the rain-shadow area of the Western Ghats.

48. Which one of these statements is correct?

- A. The North East Monsoons blow during June, July, August and September
- B. The North East Monsoons provide bulk of the rainfall to almost whole of India
- C. The North East monsoons are off- shore winds
- D. The North East Monsoons blow from High Pressure areas on sea to Low Pressure areas on land

49. 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 dendritic, trellis, radial

50. Refer to the given climatic data and choose from the options, the area that relates to the data

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
temp	24.5	25.7	27.7	30.4	33.0	32.5	31.0	30.2	29.8	28.0	25.9	24.7
rainfall	4.6	1.3	1.3	1.8	3.8	4.5	8.7	11.3	11.9	30.6	35.0	13.9

- A. North western states of India
- B. South Western states of India
- C. South Eastern states of India
- D. North Western states of India