

Class : IX  
Max. Marks : 40

No. of Questions : 80  
Time : 2.45 Hrs.

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**INSTRUCTIONS :**

1. *The question paper is given as Booklet.*
2. *All the questions are multiple choice questions.*
3. *Use Blue / Black ink ball point pen to answer all the questions in OMR sheet.*
4. *Identify the correct answer and bubble relevant circle given against the question number in OMR Sheet.*

*Ex : If the answer is 3 to the question bubble as shown ①②●④*

5. *The answer Paper is not valued if ✓, × symbols used as answers.*
  6. *The answer paper is not valued for over-writing and more than one answer is bubbled.*
  7. *Answer all the questions in the given time and hand over the OMR sheet to the invigilator.*
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**Instruction :** Based on the information given below, answer the questions from 1 to 6.



1. If the high pressure region is denoted by A and low pressure region is denoted by B, then winds :
 

(1) Flow from A to A	(2) Flow from B to B
(3) Flow from A to B	(4) Flow from B to A
  
2. The winds that flow from West to East are called :
  - (1) Either Eastern winds or western winds
  - (2) Eastern and western winds
  - (3) Eastern winds only
  - (4) Western winds only
  
3. The winds that blow from sub-tropical high pressure belt to equatorial low pressure belt are
 

(1) Western winds	(2) Trade winds
(3) Polar winds	(4) Eastern winds
  
4. Which among the following is called Inter Tropical Convergence Zone ?
 

(1) Sub-tropical high pressure belt	(2) Equatorial low pressure belt
(3) Polar high pressure belt	(4) Sub-polar low pressure belt
  
5. All the winds that are shown in the above picture are :
 

(1) Planetary winds	(2) Cyclonic winds
(3) Local winds	(4) Monsoon winds
  
6. Due to the Coriolis Effect, the winds slightly blow aside. These winds :
  - (1) blow to the right in both the northern and southern hemispheres.
  - (2) blow to the left in both the northern and southern hemispheres.
  - (3) blow to the right in Northern hemisphere and to the left in Southern hemisphere.
  - (4) blow to the left in Northern hemisphere and to the right in Southern hemisphere.

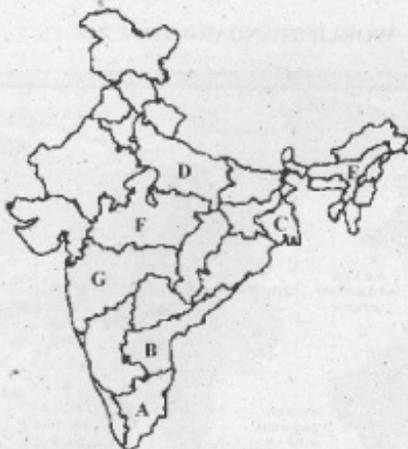
7. The primary food producers on the Earth are :
- (1) Human beings (2) Animals  
(3) Plants (4) Birds
8. It is light, resistant to corrosion a good conductor of heat. It is used to manufacture aircraft utensils and wires.....  
Above sentences are relating to which of the following Metal ?
- (1) Aluminum (2) Phosphate  
(3) Manganese (4) Chromium
9. The city that has emerged as the electronic capital of India is :
- (1) Hyderabad (2) Bengaluru  
(3) Chennai (4) Pune
10. The largest producer of Jaggery in the world is :
- (1) China (2) Pakistan  
(3) Bangladesh (4) India
11. The food security of a nation mainly depends upon :
- (1) Industrial sector (2) Agriculture sector  
(3) Service sector (4) Technology sector
12. The crop that is known as the 'golden fiber' is :
- (1) Jute (2) Hemp  
(3) Cotton (4) Silk
13. The largest producer of raw Jute and Jute goods in the world :
- (1) Bangladesh (2) England  
(3) India (4) Sri Lanka
14. Find out the wrong statement regarding the power of flowing water :
- (1) It can erode a mountain vertically. (2) All are correct. There is no wrong statement.  
(3) It can erode the land. (4) It can slowly wear away the rocks.
15. The important project which is under construction for the development of agriculture in Andhra Pradesh is :
- (1) Dummugudem (2) Ichampalli  
(3) Pranahitha-chevella (4) Polavaram

16. The latest technology that has been used to know the latitudes and longitudes of a place is  
 (1) Compass (2) Google Earth  
 (3) Map (4) Atlas
17. Which among the following is a rising problem in the context of industrialization ?  
 (1) Environmental pollution (2) Employment generation  
 (3) Lack of investment (4) Lack of technology
18. Which among the following is a false statement regarding El Nino and La Nino ?  
 A. These are influencing South-West monsoons.  
 B. These are influencing Indian agriculture.  
 C. These lead to the situations of droughts and floods.  
 D. These are caused by the changes of temperature in the Indian Ocean.  
 (1) C (2) D  
 (3) A, B (4) C, D
19. Observe the picture given below.



- Which reality of Indian agriculture does the picture say about ?  
 (1) Uneven land distribution (2) The adverse impact of green revolution  
 (3) Low yielding (4) Fall of prices
20. We know very little till today about this layer of atmosphere :  
 (1) Thermosphere (2) Exosphere  
 (3) Stratosphere (4) Mesosphere
21. The hot winds which we face in our region in summer are :  
 (1) Local winds (2) Cyclonic winds  
 (3) Planetary winds (4) Seasonal winds
22. The crop which is being extensively used both as food and fodder is :  
 (1) Maize (2) Ragi  
 (3) Paddy (4) Wheat
- 21-C 4

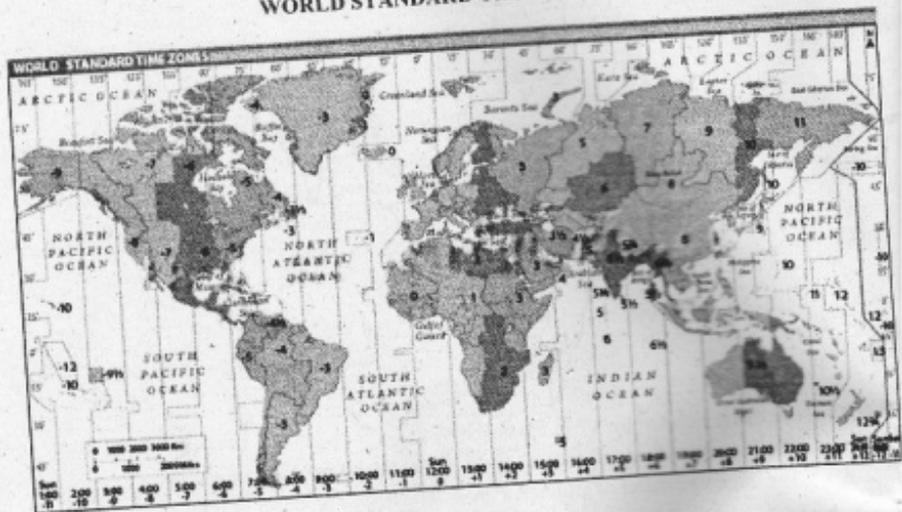
**Instruction :** Observe the following map and answer the questions from 23 to 27 :



23. The state that is denoted by 'C' in the map is :
- (1) The largest producer of millets      (2) The largest producer of paddy  
(3) The largest producer of groundnut      (4) The largest producer of pulses
24. With which letter is Andhra Pradesh denoted ?
- (1) D      (2) E  
(3) B      (4) C
25. True among the following regarding the state shown with 'D' is :
- X : The largest sugarcane producer  
Y : The largest wheat producer
- (1) Both X and Y      (2) Neither X nor Y  
(3) X only      (4) Y only
26. The state that is denoted by E is a famous tea producer.  
Find out the name of that state.
- (1) Assam      (2) West Bengal  
(3) Madhya Pradesh      (4) Tamil Nadu
27. Which letter denotes the state of first cement factory ?
- (1) B      (2) A  
(3) D      (4) C

Instruction : Observe below Map and answer 28 to 34 questions :

### WORLD STANDARD TIME ZONES



28. Which country has '0' time zone :

- (1) USA (2) England  
(3) India (4) Srilanka

29. How many time zones the world is divided ?

- (1) 15 (2) 360  
(3) 24 (4) 12

30. Which time zone India lies in ?

- (1) -5½ (2) -5  
(3) 5 (4) 5½



36. "Foreign trade in farm products was proved very much helpful to our farmers."

- (1) It may be helpful for a few big farmers but many small farmers are not happy with that. Government has to be very careful in framing such policies.
- (2) It is the mistake of the farmers only, if they lose. They have to learn how to save.
- (3) Yes, it is true. Now all our farmers are happily exporting their products and gaining much profit.
- (4) No, it actually caused farmers income to fluctuate a lot. It helped no farmer in India.

37. "Today we are making even the oceans dumping ground for our plastic and other forms of waste."

- (1) Oceans are so big that they cannot be polluted.
- (2) Any how we need not worry because we do not live on oceans.
- (3) This is only an exaggeration.
- (4) Yes, this is true. Human beings are not leaving the oceans too. They are polluting everything.

38. A discussion class is going on an issue in 9th class.

Raju arguing "Industries are necessary for development of a country. It provides employment and production of different goods which is useful to our daily life....."

Savithri said "Industries are necessary but it causes pollution and also decreases natural resources. Industrialization many leads to capitalization too..."

From the above, what is the main theme in their discussion ?

- (1) Environmental pollution
- (2) Time and Value
- (3) Decreasing Natural resources
- (4) Results at Industrial development

39. "All of us must use jute products instead of synthetic products."
- (1) Yes. We must use jute products for the sake of farmers who cultivate jute.
  - (2) We must use only synthetic products because they are cheap.
  - (3) No. This is not correct.
  - (4) Yes. We must use jute products because they are ecofriendly.
40. "Human beings are destroying nature on the name of enjoyment and development."
- (1) If one plant dies, another one grows naturally.
  - (2) Yes, we are only concerned about immediate happiness but not bothered about later hazards. This is really unfortunate.
  - (3) May be yes, but how can we live without such enjoyment and development.
  - (4) Nothing happens to nature, even if in whatever way we deal with it.
41. "Green revolution was very useful to India."
- (1) It would be too early to judge the effect of green revolution now.
  - (2) It helped India to become self sufficient in food grains but later it caused several environmental problems too.
  - (3) Yes. It was very useful. It saved the nation from the problem of food shortage.
  - (4) No, it only damaged our agriculture sector.
42. "We have to think of as a future generation about clean India, Swach Bharath."
- (1) We have to avoid the use of plastic and to habituate growing plants and using toilets etc.
  - (2) Since we are after all students, nothing can we do in this regard.
  - (3) Yes, we have to aim at the cleanest nation.
  - (4) We should not bother about anything now except our studies and marks.

43. Consider the following statements 'A' and 'B' and find out which of them is/are true. During the last hundred years people have understood that :
- A. Stars are born and they grow.  
 B. They even dies.
- (1) A is true and B is also true.                      (2) A is false and B is also false.  
 (3) A is true, B is false.                                (4) A is false, B is true.
44. In the depth of 150 kms from the surface, the layer of the Earth consists of :
- (1) Liquid metallic material like Nickel and Iron  
 (2) Heavy substances like Gold  
 (3) Various kinds of rocks  
 (4) Silicates
45. Consider the following statements and choose the correct one among the options given below.
- A. Though several countries tried to fix a longitude that passes through their own territory as the  $0^{\circ}$  longitude, the Greenwich longitude was accepted as the  $0^{\circ}$  longitude.  
 B. England ruled a large part of the world at that time.
- (1) Both A and B are true. There is no relation between A and B.  
 (2) Only A is true. There is no relation between A and B.  
 (3) Both A and B are true. B was a reason to make A possible.  
 (4) Both A and B are true. A was a reason to make B possible.
46. Human beings especially after Industrial Revolution have had a major role in transforming the crust on which we live. The human activity that doesn't support this statement is :
- (1) Fishing  
 (2) Mining  
 (3) Building cities with bricks and cement  
 (4) Agriculture
47. Observe the figure given below.



The 'V' - Shape landform shown in the figure forms due to the :

- (1) Work of rocks    (2) Work of human beings  
 (3) Work of water    (4) Work of wind

48. Which one among the following features does not relate to Indian agriculture ?
- (1) Highest average yielding
  - (2) Rain fed agriculture
  - (3) Providing employment to majority of the workers
  - (4) Cultivation in small plots
49. Rani has a Globe. Among the following which can't she know about a place with the help of that globe ?
- (1) How much the cost of living would be there ?
  - (2) What time it would be there at any moment ?
  - (3) How hot or cold it would be there ?
  - (4) In which direction should we go to reach it ?
50. Which of the following is not part of Gondwana ?
- (1) Australia
  - (2) India
  - (3) North America
  - (4) Africa
51. Find out the wrongly shown latitude among the following :
- (1)  $0^{\circ}$  S
  - (2)  $66\frac{1}{2}^{\circ}$  S
  - (3)  $23\frac{1}{2}^{\circ}$  N
  - (4)  $66\frac{1}{2}^{\circ}$  N
52. Location of Delhi :
- (1)  $28.7^{\circ}$  S,  $77.1^{\circ}$  W
  - (2)  $28.7^{\circ}$  E,  $77.1^{\circ}$  W
  - (3)  $28.7^{\circ}$  E,  $77.1^{\circ}$  N
  - (4)  $28.7^{\circ}$  N,  $77.1^{\circ}$  E
53. All of us live on the Earth. Related to Earth, which among the following statements is not true ?
- (1) The Earth has reached its present form through several phases.
  - (2) Now the Earth has reached a fixed stage that doesn't go through any change.
  - (3) The Earth is made up of three main layers.
  - (4) Half of the Earth's history remained lifeless.
54. Find out the correct order :
- (1) Continental cracks, Formation of rift Valley, Formation of Ocean
  - (2) Formation of Ocean, Formation of Rift Valley, Continental cracks
  - (3) Continental cracks, Formation of Ocean, Formation of Rift valley
  - (4) Formation of Rift Valley, Continental cracks, Formation of Ocean
55. Which among the following contains the newest Crust formed on the planet ?
- (1) Highest mountain surfaces
  - (2) Deltas
  - (3) Ocean floor
  - (4) The Mid ocean ridges

56. Geologists have found fossils of sea animals on the Himalayas. These fossils are there on the Himalayas because :
- (1) some of such fossils are worshipped in homes as 'Salagramas'.
  - (2) Himalayas are the highest Mountains.
  - (3) they are formed on the Himalayas.
  - (4) Himalayas are formed from sea.
57. The plates are constantly being pushed. The formation of the mountains is the result of such movements only. Due to which one of the following movements were the Himalaya Mountains formed ?
- (1) Because the Eurasian plate pushed the Indian plate.
  - (2) Because the Arabian Plate pushed the Indian Plate.
  - (3) Because Eurasian plate pushed the Arabian plate.
  - (4) Because the Arabian plate pushed the Eurasian plate.
58. About three quarters of all active Volcanoes in the World, lie within the Pacific Rim because :
- (1) plate-boundaries are found all the way around the Pacific basin.
  - (2) earthquakes occur all the way around the Pacific basin.
  - (3) the Pacific Rim is called the pacific ring of fire.
  - (4) igneous rocks are found all the way around the Pacific basin.
59. Match the following in the context of the formation of Third Order Landforms :
- |                     |                   |
|---------------------|-------------------|
| 1. Valleys          | a. Weathering     |
| 2. Carved Mountains | b. Deposition     |
| 3. Deltas           | c. Transportation |
| 4. Sand dunes       | d. Erosion        |
- (1) 1 - d; 2 - a; 3 - b; 4 - c
  - (2) 1 - a; 2 - b; 3 - d; 4 - c
  - (3) 1 - a; 2 - b; 3 - c; 4 - d
  - (4) 1 - b; 2 - c; 3 - d; 4 - a
60. Sujatha had sprouted seeds, vegetables slices with same salt in her breakfast. In her lunch she had rice and fish curry. In which of the following contexts did Sujatha teacher use ocean products ?
- |                               |   |
|-------------------------------|---|
| (1) In breakfast and in lunch | (2) In breakfast, in lunch and in journey |
| (3) In breakfast              | (4) In lunch                              |
61. This is not a property of atmosphere :
- (1) Atmosphere compresses
  - (2) Atmosphere expands
  - (3) Atmosphere is composed of many gases.
  - (4) Atmosphere has a specific shape.

62. The temperature increases with altitude in Stratosphere because :
- (1) It contains transparent clouds.
  - (2) It is not so far from the Earth.
  - (3) The ozone layer that presents in it absorbs the ultraviolet rays of the Sun.
  - (4) It contains ions.

63. The rainfall in India occurs mainly due to :
- (1) Planetary winds
  - (2) Cyclonic winds
  - (3) Local winds
  - (4) Seasonal winds

64. Observe the picture given below.



What kind of rainfall is shown on the picture ?

- (1) Cyclonic rainfall
  - (2) Only snowfall
  - (3) Convectional rainfall
  - (4) Orographic rainfall
65. The central part of Deccan Plateau receives low rainfall because :
- (1) It contains no ground water.
  - (2) It is becoming a desert.
  - (3) It contains less forest area.
  - (4) It is situated in rain shadow region.
66. A little over 40% of the total cultivable land in India is irrigated. Remaining lands dry lands. Which of the following activity increase sustainable production in such dry land areas ?
- (1) Increasing usage of pesticides
  - (2) Conserving rainfall that the area receives
  - (3) Extended use of chemical fertilizers
  - (4) Digging many Borewells in that area
67. Find out the correct statement among the following regarding the rainfall across the globe :
- (1) Low Rainfall in equatorial regions.
  - (2) Rainfall is more over the oceans than on the continents.
  - (3) Heavy rains in the polar regions.
  - (4) Rainfall is heavier in deserts.

68. The largest continental shelf of the world is in :
- (1) Indian Ocean (2) Arctic Ocean  
(3) Pacific Ocean (4) Atlantic Ocean
69. The trees do not shed their leaves altogether in Tropical Evergreen Forests because :
- (1) There is no particular dry season.  
(2) Those trees are hard wood trees.  
(3) Those are situated at higher latitudes.  
(4) The sunlight is not allowed there even in the day time.
70. Consider the following statements and find out which of them is/are true.
- A. The minerals in organic fertilizers are slowly available to plants.  
B. Chemical fertilizers reduce the fertility of the soil in course of time.
- (1) Both A-and B are True. (2) Both A and B are False.  
(3) Only A is true. (4) Only B is true.
71. Tropical deserts are located in the western margins of the continents because :
- (1) There are low pressure regions in the western margins of the continents.  
(2) The rainfall is more over the oceans than on the continents.  
(3) After raining in the East, the dry trade winds reach the west.  
(4) After raining in the East, the dry Western winds reach the west.

**Instruction :** The questions from 72 to 74 have two pairs of items. Observe the relation between the two items of the first pair. Based on that, choose the item that should be there in place of '?' in the second pair.

72. Temperate zone : Steppes :: Tropical zone : ?
- (1) Pampus (2) Downs  
(3) Prairies (4) Savannahs
73. Chir, Pine, Cedar : Coniferous forests :: Rose wood, Ebony, Mahogany : ?
- (1) Mediterranean forests (2) Tundra forests  
(3) Evergreen forests (4) Deciduous forests
74. Uttar Pradesh: Sugarcane :: ? : Rubber
- (1) Kerala (2) Karnataka  
(3) Assam (4) Tamil Nadu

**Instruction :** Based on the information given below, answer the questions from 75 to 80 :

Rank	Ocean	Notes
1	The Pacific ocean.	Separates Asia and Oceania (Australia, New Zealand, Papua, New Guinea together) from the Americas.
2	The Atlantic ocean	Separates the America from Europe and Africa.
3	The Indian ocean	Washes upon Southern Asia and separates Africa and Australia.
4	The Antarctic ocean	Sometimes considered an extension of the Pacific, Atlantic and (Southern ocean) Indian oceans which encircles Antarctica
5	The Arctic ocean	Sometimes considered a sea of the Atlantic, which covers much of the Arctic and washes upon North America and Eurasia.

75. The continents that do not touch the Pacific Ocean are :
- (1) Asia, Australia (2) Antarctica only  
 (3) North America, South America (4) Europe, Africa
76. True statement among the following regarding the Atlantic Ocean is  
 A : Eastern boundary of North America  
 B : Western boundary of Europe
- (1) Both A and B (2) Neither A nor B  
 (3) A only (4) B only
77. Which among the following is called 'Southern Ocean' ?
- (1) Atlantic Ocean (2) Pacific Ocean  
 (3) Antarctic Ocean (4) Indian Ocean
78. Dharani went to Kanyakumari to see a beautiful Sun rise. Over which ~~ocean does the rise~~ the Sun rise there ?
- (1) Indian Ocean (2) Arctic Ocean  
 (3) Pacific Ocean (4) Atlantic Ocean
79. Which among the following countries does not include Oceania ?
- (1) Papua, New Guinea (2) New Zealand  
 (3) Australia (4) Philippines
80. The ocean which comes in last place when all the oceans are arranged in an order in terms of their size is :
- (1) Atlantic Ocean (2) Pacific Ocean  
 (3) Arctic Ocean (4) Indian Ocean