



BIOLOGY

NCERT - NCERT Biology(TELUGU)

WEATHER AND CLIMATE

Exercise

1. Where is the meteorological department in your area? How is it useful to you?



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2. It is hot and sweaty at a place. Guess the possible reason for that.



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3. Why do people need and observe weather?



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4. What aspects should you observe to know and predict the weather of your village?



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5. Every year we have floods in the rainy season. Why?



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6. Write true or false. Give reasons.

Minimum temperature is recorded in early morning.



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7. Write true or false.

The direction and speed of wind is found by an Anemometer.



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8. Write true or false. Give reasons.

In summer the winds blow towards the earth from the seas/ocean in the afternoon



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9. Write true or false. Give reasons.

In our state the maximum temperature is recorded in the month of July.



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10. Priya's mother said "It is very hard to stay at Vizag during summer" Why did she say so?



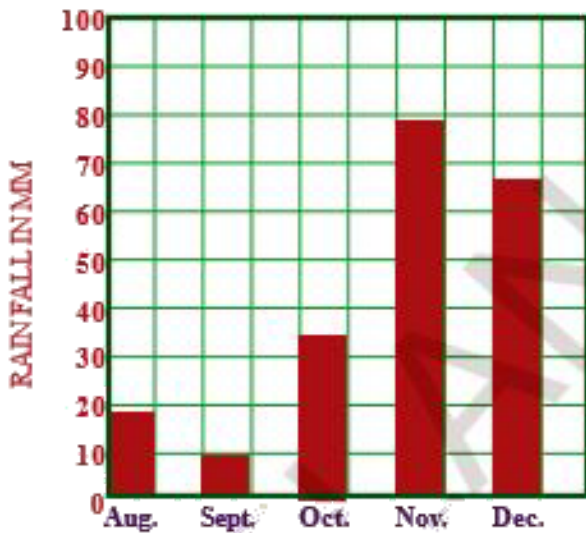
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11. How do you feel when you see a rainbow?
Express your feelings in the form of a song or poem.



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12. Observe the graph showing rainfall (in mm) of a place from August to December. Write down the observations from it.



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13. Explain these symbols used in a weather forecast report.



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14. Where do we get water from?



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15. How does the flow of acid rain into a river make the survival of aquatic life in a river difficult ?



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16. What aspects do you see in the weather record?



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17. What is weather fore cast ?



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18. Do you know how many days a hen, spends to hatch its egg?



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19. If we swallow food material directly without mastication what will happen ?



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20. What aspects do you see in the weather record?



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21. We use sieves to separate tea-leaves from tea and sand from gravel. What are the differences between the sieves used in the two instances?





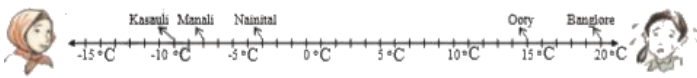
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22. How many times did your pointer touch the heart?



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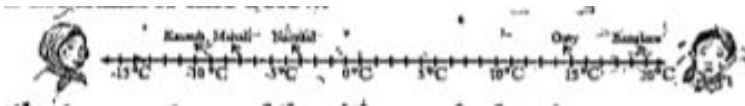
23. The temperatures (in degrees celsius/centigrade) of 5 cities in India on a particular day are shown on the number line below.



Which city has the highest temperature?

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24. The temperature(in degree Celsius/centigrade) of 5 cities in India on a particular day are shown on the number line below. Which cities has the lowest temperature ?



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25. Do you find any relation between smoothness and time to dry?



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26. How can we measure the amount of rainfall at particular place?



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27. Why is it sweaty in Vijayawada and relatively less in Hyderabad in summer?



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28. Why do bubbles appear in water when we heat it ?



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29. Water is flowing into cylindrical tank of radius 7 ft in the rate of 22c.ft per sec. How fast is the water level increasing ?



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30. Where did the salt go ?



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31. Why do people living in hot and humid region wear cotton clothes?



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32. In which season is the quantity of moisture in the air high ?



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33. Write true or false. Give reasons.

In our state the maximum temperature is recorded in the month of July.



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34. Nitrogen is comparatively inactive because

:



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35. How can you say water is necessary for us ?



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36. Why do bubbles appear in water when we heat it ?



Watch Video Solution

37. Water is flowing into cylindrical tank of radius 7 ft in the rate of 22c.ft per sec. How

fast is the water level increasing ?



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38. Where did the salt go ?



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39. Does the wind move in the same direction
the whole day?



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40. Why Is Vijayawada generally more humid?



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41. How do we compare a place which is hot with a place which is cool?



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42. How do meteorologists measure the rain fall ? What are its units?



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43. Which region on the globe is very hot and which region is very cold?



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44. What are the weather components?



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45. What is weather?



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46. What is meteorology?



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47. What is humidity ? How can be it measured?



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48. What is the effect of humidity on the rate of evaporation of liquid ?



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49. In which season is the quantity of moisture in the air high ?



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50. What is climate?



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51. Why is it sweaty in Vijayawada and relatively less in Hyderabad in summer?



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52. What is neutralization ? Explain an activity to demonstrate neutralization.



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53. What happened during the tsunami in Andaman and Nicobar islands in 2004?



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54. What is the difference between a weather forecast and a weather report?



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55. How do farmers store the grain ?



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56. How do you measure rainfall?



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57. What is the effect of climate on biodiversity?



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58. How do elders predict rain?



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59. What aspects do you see in the weather record?



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60. How do people adjust to the climate ? Why in 2010 Kurnool and other parts in Rayalaseema submerged in floods ?



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61. Draw the diagram of a Anemometer and mention its uses.



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62. Draw a neat labelled diagram of anemometer that you prepared in the school.



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63. Rain guage is also called as

- A. udometer
- B. pulviometer
- C. ombrometer
- D. all of these

Answer:



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64. A liquid used to record low temperature in Six's maximum and minimum thermometer

A. alcohol

B. ether

C. olive oil

D. benzene

Answer:



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65. The average weather pattern taken over a long time is called:

A. Humidity

B. Climate

C. Typhoon

D. Tsunami

Answer:



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66. The quantity of moisture in the air is called:

A. water vapour

B. torrid zone

C. hydrosphere

D. humidity

Answer:



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67. It is very hot in:

- A. Polar region
- B. Equatorial region
- C. Temperate region
- D. Antarctica region

Answer:



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68. Humidity is measured by using an instrument called:

- A. Manometer
- B. Thermometer
- C. Hydrometer
- D. Hygrometer

Answer:



69. The instrument that is used to know direction and speed of wind is:

- A. Barometer
- B. Anemometer
- C. Thermometer
- D. Odometer

Answer:



70. The average weather pattern taken over a _____ period at a place is called climate

A. short

B. long

C. both A & B

D. None

Answer:



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71. In the following which one is not a component of weather_____

A. Water

B. temperature

C. Rainfall

D. humidity

Answer:



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72. Climate of a place can be defined after _____ years of weather observations.

A. 5

B. 10

C. 25

D. 50

Answer:



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73. The people living in hot and humid region prefer to wear _____ clothes.

A. Woolen

B. Cotton

C. Silk

D. Nylon

Answer:



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74. The season in which quantity of moisture in the air is high_____

A. Summer

B. Winter

C. Rainy

D. None

Answer:



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75. Rainfall of a particular place is expressed in _____

A. millimeter(mm)

B. centimeter(cm)

C. meter (m)

D. both A or B

Answer:



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76. Which of the following statement is true

A. i ,ii only

B. i,iii only

C. ii, iii and iv only

D. ii and iii only

Answer:



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77. Rainfall at a particular place is measured with_____

A. Barometer

B. Six maximum minimum thermometer

C. Odometer

D. Rain gauge

Answer:



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78. Which of the following statement is true

A. i and ii only

B. ii and iii only

C. ii ,iii and iv only

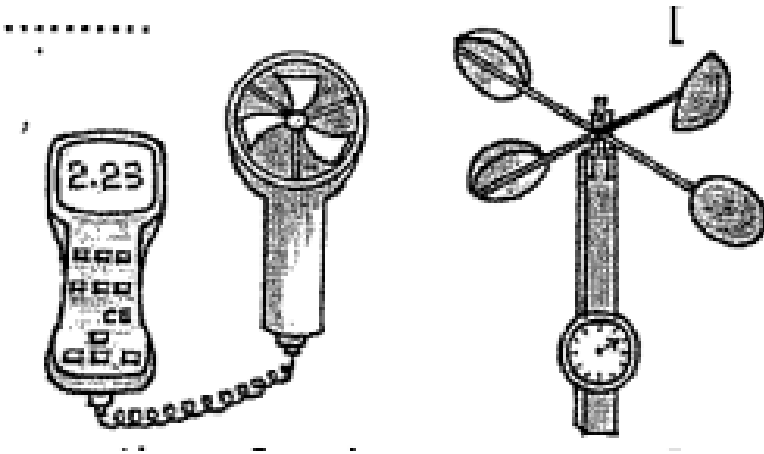
D. i, ii and iv only

Answer:



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79. The instrument given in the fig. is used _____



- A. to measure wind speed and direction
- B. to predict cyclones
- C. to find the temperature on that day
- D. to measure the rainfall

Answer:



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80. Which of the following factors describe the weather of a place _____

A. hot

B. winds

C. rain

D. All these

Answer:



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81. Rearrange the following sentences in a correct order (i) A skimmer removes the floatable solids like oil and grease (ii) Solid like faeces settle at the bottom and are removed with a scraper. This is the sludge (iii) The water is allowed to settle in a large tank which is sloped towards the middle. (iv) Water so cleared is called clarified water

A. ii, iv, i, iii

B. iv, ii, iii, i

C. iii, i, iv, ii

D. iv, iii, i, ii

Answer:



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82. Statement A : Wind speed and direction is one of the component of weather Statement

B: Udometer is used to measures wind speed and direction

A. Both A and B are true

B. A is true but B is false

C. A is false but B is true

D. Both A and B are false

Answer:



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83. Statement A: The factors hot, cold, winds, rain etc describe the weather of a place
Statement B: The report that explains future condition is a weather report and that explains future condition is a weather forecast.

A. Both A and B are true

B. A is true but B is false

C. A is false but B is true

D. Both A and B are false

Answer:



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84. The department which collects data of weather and makes predictions is:

- A. Agricultural department
- B. Fisheries department
- C. Meteorological department
- D. Revenue department

Answer:



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85. Usually the weather will be _____ in

Bangalore:

A. humid

B. Hot

C. Mild

D. Very cold

Answer:



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86. The place where the weather to be hot and dry is _____

A. Kolkata

B. Bangalore

C. Kashmir

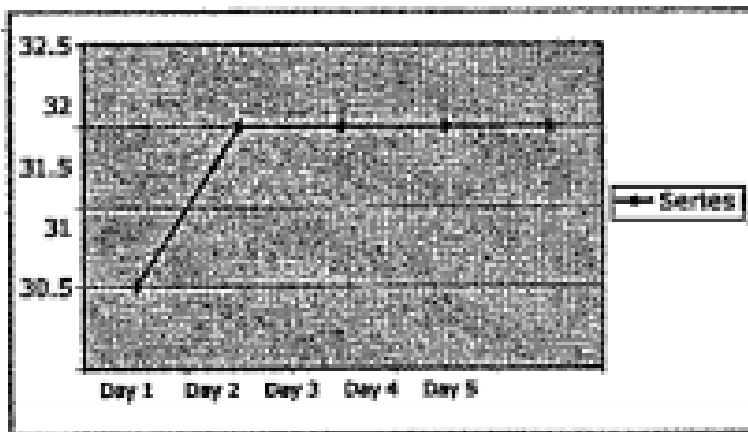
D. Rajasthan

Answer:



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87. The graph drawn for the temperature of five days in a village measured with the help of MMT is given in the fig. The day on which the highest temperature recorded is _____



A. Day 1

B. Day 2

C. Day 3

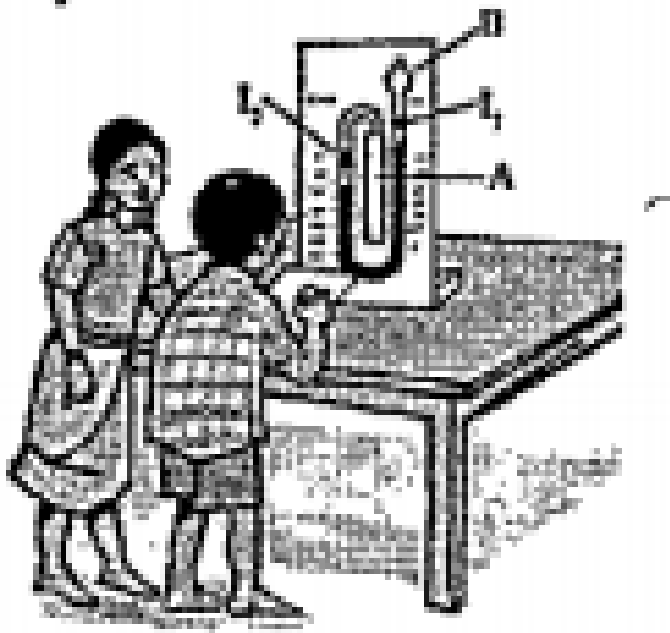
D. Day 4

Answer:



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88. The liquid present in the cylindrical bulb in
the given fig. is _____



A. mercury

B. alcohol

C. water

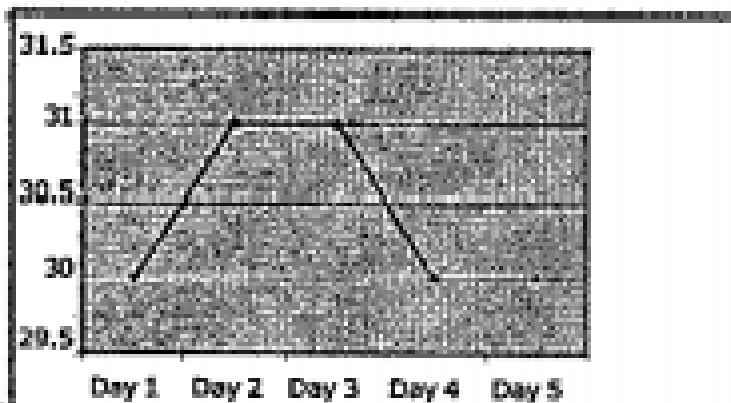
D. vacuum

Answer:



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89. The graph shows the variable of maximum temperature during 5 days in winter in Guntur. On which day the humidity is less ?



A. Day 1

B. Day 2

C. Day 3

D. Both b and c

Answer:



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