

8th Social Science Lesson 17 Questions in English - Geography**2. Weather and Climate**

1. Which influence man's activities like What we eat, wear, the house in Which we live and work, farming, sailing, and even our play time etc?
 - a) Climate
 - b) Time
 - c) Television
 - d) Government
2. Which is the day today conditions(state) of the atmosphere at any place as regards sunshine, temperature, cloud cover, air pressure, humidity?
 - a) Climate
 - b) Weather
 - c) Broadcast
 - d) Transport
3. Which of the following statement is incorrect
 - 1) Weather refers to long period like several months
 - 2) The weather is cool in winter and hot in summer.
 - a) Only 1
 - b) Only 2
 - c) Both 1 and 2
 - d) None
4. The average atmospheric conditions are determined by measuring the weather elements for a period of how many years?
 - a) 30 years
 - b) 32 years
 - c) 40 years
 - d) 35 years
5. Scientific study of weather is called ____
 - a) Climatology
 - b) Seismology
 - c) Paleontology
 - d) Meteorology
6. The difference in What makes the air and water move in currents?
 - a) Pressure
 - b) Temperature
 - c) Speed
 - d) Light rays
7. Which air rises and create more space for air beneath?
 - a) Warm air
 - b) Cool air
 - c) Dark air
 - d) Dusty air
8. Which is generally defined as the average conditions (state) of the weather of a place or a region?
 - a) Air
 - b) Temperature
 - c) Climate
 - d) Clouds
9. Which of the following statement is correct
 - 1) The Polar regions receive slanting sun's rays. Hence there is little or no sunlight, thus there is an Extreme Cold Winters.
 - 2) Vertical sun's ray's fall directly on regions around the equator hence the climate is very hot in summer and very cold in winters
 - a) Only 1
 - b) Only 2
 - c) Both 1 and 2
 - d) None
10. Which of following is not the factors Which affect the weather and climate of a region.
 - a) Angle of the sun's rays
 - b) Distribution of land
 - c) Gravitation
 - d) Air pressure
11. The earth and its atmosphere get heated from the sun through ____
 - a) Condensation
 - b) Insolation
 - c) Conduction
 - d) Convection

12. Which of the following statement is incorrect

1) Temperature varies with time due to changes in the level of radiation Which reach the earth surface

2) Temperature variation is due to motions of the earth (The rotation and revolution) and inclination of the earth's axis.

- a) Only 1
- b) Only 2
- c) Both 1 and 2
- d) None

13. Heat energy from solar radiation is received by the earth through Which mechanism?

- a) Radiation
- b) Conduction
- c) Convection
- d) All the above

14. Which of the following is not the major elements of weather and climate?

- a) Temperature
- b) Rainfall
- c) Ocean current
- d) Humidity

15. Which of the following statement is incorrect

1) The temperature influences the level of humidity, the process of evaporation, condensation and precipitation.

2) The Earth's atmosphere is heated more by insolation than Terrestrial radiation.

- a) Only 1
- b) Only 2
- c) Both 1 and 2
- d) None

16. Temperature decreases with increasing height is known as _____

- a) Celsius rate
- b) Conduction rate
- c) Lapse rate
- d) Latitude rate

17. Which of the following is not measuring scale of temperature

- a) Celsius

b) Kelvin

c) Pascal

d) Fahrenheit

18. Which of the following is used to measure temperature by Meteorologist?

- a) Thermometer
- b) Stevenson screen
- c) Minimum temperature
- d) All the above

19. The maximum temperature in atmosphere is recorded mostly in Which time?

- a) 2 to 4 pm
- b) 12 to 2 pm
- c) 1 to 3 pm
- d) 11 am to 1 pm

20. The average of maximum and minimum temperatures within 24 hours is called _____

- a) Daily temperature
- b) Mean daily temperature
- c) Average daily temperature
- d) Per day temperature

21. Which of the following statement is correct

1) Diurnal range of temperature is the difference between the maximum and minimum temperatures of a day

2) Annual range of temperature is the difference between the highest and lowest mean monthly temperatures of a year.

- a) Only 1
- b) Only 2
- c) Both 1 and 2
- d) None

22. What are imaginary lines Which connect the same temperatures of different places?

- a) Pascals
- b) Isotherms
- c) Stevenson
- d) Lapse

23. Which is the fact that cause different parts of the earth getting heated differently?

- a) Earth is spherical
- b) Earth is orbiting

- c) Earth is rocky
d) Earth is gaseous
24. Based on the heat received from the sun, Earth is divided into how many heat zones?
a) 2
b) 4
c) 5
d) 3
25. What is the name of the zone lies between the Arctic circle and the North Pole and between the Antarctic circle and the South Pole
a) Torrid zone
b) Temperate zone
c) Frigid zone
d) Ice zone
26. Which zone gets the slanting rays of the sun and the angle of the sun's rays goes on decreasing towards ds the poles?
a) Torrid zone
b) Temperate zone
c) Frigid zone
d) Polar zone
27. Which region receives the direct rays of the sun and gets the maximum heat from the sun?
a) Torrid zone
b) Temperate zone
c) Polar zone
d) Frigid zone
28. Which of the following statement is incorrect
1) Torrid Zone is a region between the tropic of cancer and the tropic of Capricorn
2) Temperate zone lies between the Tropic of cancer and the Arctic circle in the Northern Hemisphere and between the Tropic of Capricorn and the Antarctic circle in the southern Hemisphere
a) Only 1
b) Only 2
c) Both 1 and 2
d) None
29. Which region is also known as Polar region?
a) Torrid zone
b) Temperate zone
c) Frigid zone
d) Ice zone
30. The highest temperature ever recorded on the earth is What?
a) 52.6 °C
b) 58.2 °C
c) 55.8 °C
d) 56.7 °C
31. Where did highest temperature ever recorded on the earth?
a) USA
b) Russia
c) China
d) Brazil
32. The lowest temperature ever recorded on the earth is What?
a) -82.4 °C
b) -89.2 °C
c) -88.6 °C
d) -91.4 °C
33. When lowest temperature on earth was recorded at soviet Vostok station in Antarctica?
a) 1916
b) 1949
c) 1983
d) 1975
34. Which of the following statement is incorrect
1) Rain is a liquid water in the form of droplets that have condensed from atmospheric water vapour and then become heavy enough to fall under gravity.
2) Glacier is a major component of the water cycle and is responsible for depositing most of the fresh water on the Earth
a) Only 1
b) Only 2
c) Both 1 and 2
d) None
35. Generally rainfall is high in the equatorial region and decreases gradually towards poles. Rainfall is measured by _____

- a) Anemometer
- b) Hydro Gauge
- c) Rain Gauge
- d) Barometer

36. The weight of air above a given area on the earth's surface is called ____

- a) Atmospheric pressure
- b) Gaseous pressure
- c) Valve pressure
- d) Humidity pressure

37. The air pressure is measured by Which instrument?

- a) Pressure Gauge
- b) Barometer
- c) Seismometer
- d) Rain Gauge

38. The standard air pressure at sea level is What?

- a) 1020.13 mb
- b) 1013.25 mb
- c) 1021.21 mb
- d) 1019.21 mb

39. Which of the following statement is correct

- 1) The variation in standard atmospheric pressure is found vertically.
 - 2) Based on the level of pressure, it is categorised into low pressure and high pressure.
- a) Only 1
 - b) Only 2
 - c) Both 1 and 2
 - d) None

40. Which is used to show the distribution of air pressure in atmosphere?

- a) Isotopes
- b) Pascal
- c) Isobar
- d) Isometric

41. Low pressure systems are also called as a ____

- a) Cyclones
- b) Anticyclones

- c) Humidity
- d) Relative humidity

42. Which of the following statement is correct

- 1) Low pressure area is an area in the atmosphere Where the pressure is lower than its surrounding areas
- 2) High pressure is an area of atmosphere Where the barometric pressure is higher than its surrounding areas

- a) Only 1
- b) Only 2
- c) Both 1 and 2
- d) None

43. Low pressure lead to What?

- a) Cloudiness
- b) Wind
- c) Precipitation
- d) All the above

44. Where did the highest ever air pressure at sea level was recorded?

- a) Russia
- b) USA
- c) China
- d) Australia

45. What was the highest ever air pressure at sea level?

- a) 1060.7mb
- b) 1076.6mb
- c) 1083.8mb
- d) 1080.4mb

46. Where did the lowest pressure of 870mb was recorded?

- a) Mariana Island
- b) Seychelles Island
- c) Barren Island
- d) The Dalmatian Island

47. In Which year the lowest pressure ever recorded?

- a) 1970
- b) 1965
- c) 1984
- d) 1979

48. Which of the following statement is incorrect

1) Barograms are used for recording continuous variation in atmospheric pressure.

2) Humans are not sensitive to small variation in air pressure.

- a) Only 1
- b) Only 2
- c) Both 1 and 2
- d) None

49. Which refers to the degree of water vapour present in the atmosphere in gaseous form in particular time and place?

- a) Evaporation
- b) Pressure
- c) Humidity
- d) Clouds

50. Which of the following statement is correct

1) Climatically Humidity is an important constituent of the atmosphere and its quantity depends on the level of temperature.

2) The level of humidity Increase towards poles from equator.

- a) Only 1
- b) Only 2
- c) Both 1 and 2
- d) None

51. Humidity ranges from What percent by volume in atmosphere?

- a) 0 – 7%
- b) 0 – 2%
- c) 0 – 4%
- d) 0 – 5%

52. What is a ratio of the water vapor content of the mixture to the total air content on a mass basis?

- a) Specific humidity
- b) Absolute humidity
- c) Relative humidity
- d) All the above

53. Which is the mass or weight of water vapour present per unit volume of air?

- a) Specific humidity

b) Absolute humidity

c) Relative humidity

d) None of the above

54. Which air holds more water vapour generally?

- a) Cool air
- b) Warm air
- c) Freeze air
- d) Dusty air

55. When relative humidity reaches 100%, the air gets saturated. In this condition the temperature is said to be at _____

- a) Humidity
- b) Vapour point
- c) Dew point
- d) Positive point

56. Which is a ratio between the actual amount of water vapour present in the air and the maximum amount of water vapour it can hold at a given temperature?

- a) Specific humidity
- b) Heat point
- c) Absolut humidity
- d) Relative humidity

57. Which of the following statement is correct

1) Very high and very low humidity are injurious to health

2) Relative humidity does not affect human health.

- a) Only 1
- b) Only 2
- c) Both 1 and 2
- d) None

58. What is the instrument used to measure the humidity?

- a) Seismometer
- b) Anemometer
- c) Hygrometer
- d) Hydrometer

59. The vertical movement of air is called _____

- a) Wind
- b) Air Current

- c) Air Wave
d) Air Float
60. Wind move from Where to Where?
- a) High pressure to low pressure
b) Low pressure to high pressure
c) Low pressure to medium pressure
d) None of the above
61. The wind systems are broadly categorized into how many types?
- a) 4
b) 6
c) 3
d) 2
62. Planetary winds are also called as ____
- a) Permanent winds
b) Temporary winds
c) Border winds
d) Continental winds
63. Which winds blow from sea to land during summer and land to sea during winter?
- a) Permanent winds
b) Local winds
c) Trade winds
d) Seasonal winds
64. Which winds blow over a small area only during a particular time of a day or a short period of a year?
- a) Trade winds
b) Local winds
c) Seasonal winds
d) Polar wind
65. Which of the following is not the planetary wind?
- a) Trade wind
b) Sea breezes
c) Westerlies
d) Polar easterlies
66. What is the scale for measuring wind speed?
- a) Seismic magnitude scale
b) Richter scale
c) Beaufort scale
d) Kelvin scale
67. Beaufort scale was developed by Francis Beaufort in the year?
- a) 1810
b) 1805
c) 1811
d) 1803
68. Which instrument is used to measure wind speed?
- a) Anemometer
b) Accelerometer
c) Hygrometer
d) Seismometer
69. Wind direction is measured using ____
- a) Accelerometer
b) Weather cock
c) Weather meter
d) Seismometer
70. Which country has large area Where the average wind speed is low?
- a) Brazil
b) China
c) India
d) USA
71. Transfer of heat energy from one place to another through the substances that are in direct contact with each other is called ____
- a) Radiation
b) Condensation
c) Conduction
d) Insolation
72. What are the wind circulation that develops When the wind blows over or adjacent to rough terrain, buildings, mountains or other obstructions?
- a) Waves
b) Eddies
c) Fall
d) Rotary
73. Which instrument records wind speed and direction, sunshine and precipitation?
- a) Triple register

- b) Double register
- c) Wind vane
- d) Double column

74. Which of the following statement is correct

- 1) With decreasing air pressure, the availability of oxygen to breath also decreases
- 2) Aircraft create artificial pressure in the cabin Which makes the passengers remain comfortable While flying

- a) Only 1
- b) Only 2
- c) Both 1 and 2
- d) None

75. Earth's atmosphere contain What percentage of nitrogen?

- a) 75%
- b) 78%
- c) 71%
- d) 69%

76. Which diagram is used to depict the direction and periods (No. of days) of prevailing winds on map?

- a) Wind vane
- b) Wind flow
- c) Wind rose
- d) Wind pin