Atmospheric Circulation and Weather Systems

I. Choose the correct answer

Question 1. Name the instrument used to measured the pressure (a) thermometer (b) barometer (c) electrometer (d) photometer

▼ Answer

Answer: (b) barometer.

Question 2. The units of pressure is (a) mm. (b) mb. (millibar) (c) mg. (d) none of these

▼ Answer

Answer: (b) mb. (millibar).

Question 3.

How many types of pressure systems are found in nature?

- (a) two
- (A) three
- (c) four
- (d) five

▼ Answer

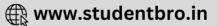
Answer: (a) two.

Question 4. Which one is the type of planetary wind? (a) trade winds (b) westerlies (c) polar winds (d) all of these

▼ Answer

Answer: (d) all of these.





Question 5. How many types of pressure belts are there? (a) 7

- (b) 2
- (c) 8
- (d) 3

▼ Answer

Answer: (a) 7.

Question 6.

Name the hot winds which blow in USA (a) Chinook (b) Foehn (c) Mistral (d) Loo

▼ Answer

Answer: (a) Chinook.

Question 7.

Name the hot winds which blow in Alps :

(a) Foehn

(b) Chinook(c) Mistral

(C) MISUC

(d) Loo

▼ Answer

Answer: (a) Foehn

Question 8.

Name the cold wind which blows from high mountains to the Mediterranean coast of France :

- (a) Mistral
- (b) Katabatic
- (c) Santa Anas
- (d) Chinook

▼ Answer

Answer: (a) Mistral.

Question 9.

Name the hot winds which blow in North India in summer

- (a) Foehn
- (b) Katabatic
- (c) Loo
- (d) Chinook





▼ Answer

Answer: (c) Loo.

Question 10. The standard sea level pressure in millibars is (a) 101.32 mb (b) 1013.25 mb (c) 1000 mb (d) 10130.25 mb

▼ Answer

Answer: (b) 1013.25 mb.

Question 11. Name the force which deflects the winds from their path due to rotation of earth (a) gravity (b) pressure gradient (c) coriolis (d) none of these Answer

Answer: (c) coriolis.

Question 12. Which one is broad types of cyclone? (a) temperate (b) tropical cyclones (c) both of them (d) none of them

▼ Answer

Answer: (c) both of them.

Question 13.

An imaginary line drawn through the places which have equal atmospheric pressure reduced to sea level are known as

- (a) isobars
- (b) isotherms
- (c) isotopes
- (d) millibars
- ▼ Answer

Answer: (a) isobars.



Question 14.

The large body of air whose physical properties and moisture is relatively uniform is known as (a) atmospheric pressure

- (b) air mass
- (c) pressure gradient
- (d) none of these

▼ Answer

Answer: (b) Air mass.

Question 15.

Name the breeze which blows during night when the air at upper slope becomes dense

- (a) mountain breezes
- (b) valley breezes
- (e) sea breeze
- (d) land breezes

▼ Answer

Answer: (a) mountain breezes.

Question 16.

In which direction the earth rotates on its axis?

- (a) west to east
- (b) east to west
- (c) north to south
- (d) south to north

▼ Answer

Answer: (a) west to east.

Question 17. Name the tropical cyclone in West India (a) willy-willies (b) typhoons (c) hurricanes (d) none of these

▼ Answer

Answer: (c) hurricanes.

Question 18. Name the tropical cyclones in China (a) typhoons (b) hurricanes (c) willy-willies (d) fehan





▼ Answer

Answer: (a) typhoons.

Question 19.

On the basis of their average height, how many types of clouds are found?

(a) three

(b) six

(c) two

(d) four

▼ Answer

Answer: (a) three.

Question 20. Name the fibrous clouds with a delicate silky appearance : (a) cirrus (b) cirrostratus (c) cirrocumulus (d) altostratus

▼ Answer

Answer: (a) cirrus.

Question 21.

Name the clouds which appear as small white flakes or small globular masses without shadow (a) cirrocumulus

- (b) cirrus
- (c) cirrostratus
- (d) none of these

▼ Answer

Answer: (a) cirrocumulus.

Question 22. Name the clouds formed at a height of less than 2 km. (a) altocumulus (b) low clouds (c) stratus (d) cumulus

Answer

Answer: (b) low clouds.

Question 23. Name the low uniform layers of clouds :



- (a) stratus
- (b) cumulus
- (c) altocumulus
- (d) nimbostratus

Answer

Answer: (a) stratus.

Question 24.

The instrument by which the direction of wind is known as

- (a) anemometer
- (b) wind vane
- (c) barometer
- (d) none of these

▼ Answer

Answer: (b) wind vane.

Question 25. Name the periodic wind. (a) westerlies (b) easterlies (c) monsoon (d) chinook

▼ Answer

Answer: (c) monsoon.

II. Fill up the blanks with suitable words

Question 1. Air expands when heated and gets when cooled.

▼ Answer

Answer: compressed

Question 2. Air pressure is measured with the help of

Answer

Answer: barometer

Question 3. There are types of pressure systems.

Answer



Answer: five

Question 4.

Along 30°N and 30°S are found the high pressure areas known as highs.

▼ Answer

Answer: subtropical

Question 5.

The rotation of earth about its axis affects the This force is called

▼ Answer

Answer: direction of wind, coriolis force

Question 6. force is perpendicular to the isobars.

▼ Answer

Answer: Pressure gradient

Question 7. The wind circulation around a low is called

▼ Answer

Answer: cyclonic circulation.

Question 8. The combined phenomenon of southern oscillation and EI-Nino is known as

▼ Answer

Answer: ENSO.

Question 9. The cool air, off the high plateaus and ice fields draining into the valley is called

▼ Answer

Answer: Katabatic

Question 10. The air masses are classified according to the

▼ Answer

Answer: source region



