

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
- (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
