

**VIDYA BHAWAN BALIKA VIDYPITH SHAKTI UTTHAN
ASHARAM LAKHISARAI**

**Class 11 Geography Chapter 10 Very Short Answer Type
Questions**

Ch.ATMOSPHERIC CIRCULATION AND WEATHER CONDITION

Question 1.

How many types of fronts are there?

Answer:

There are four types of fronts:

- Cold
- Warm
- Stationary
- Occluded.

Question 2.

What do you mean by extra tropical cyclones?

Answer:

The systems developing in the mid and high latitude, beyond the tropics are called the middle latitude or extra tropical cyclones.

Question 3.

How do front affect weather and what is their important feature?

Answer:

The important feature of fronts is that they occur in middle latitudes and are characterised by steep gradient in temperature and pressure. They bring abrupt changes in temperature and cause the air to rise to form clouds and cause precipitation.

Question 4.

By which different names are tropical cyclones known?

Answer:

They are known as Cyclones in the Indian Ocean, Hurricanes in the Atlantic, Typhoons in the Western Pacific and South China Sea, and Willy-willies in the Western Australia.

Question 5.

What is Coriolis force?

Answer:

The rotation of the earth about its axis affects the direction of the wind. This force is called the Coriolis force after the French physicist who described it in 1844.

Question 6.

At what rate does pressure decrease with rise in height?

Answer:

In the lower atmosphere, the pressure decreases rapidly with height. The decrease amounts to about 1 mb for each 10 m increase in elevation. It does not always decrease at the same rate.

Question 7.

How do the horizontal winds near the earth surface respond to the combined effect of forces?

Answer:

The horizontal winds near the earth surface respond to the combined effect of three forces — the pressure gradient force, the frictional force and the Coriolis force.

Question 8.

What is low pressure system?

Answer:

Low- pressure system is enclosed by one or more isobars with the lowest pressure in the centre.

Question 9.

What is high pressure system?

Answer:

High-pressure system is enclosed by one or more isobars with the highest pressure in the centre.

Question 10.

What is polar cell?

Answer:

At polar latitudes the cold dense air subsides near the poles and blows towards middle latitudes as the polar easterlies. This cell is called the polar cell.