

IASBABA TEST 11 GEOGRAPHY

29. Pressure belts are not static and tend to shift from their ideal positions. The reasons responsible for this is/are?

1. Inclination of earth towards the sun
2. Presence of Coriolis force

Choose correct option from below:

- a) 1 only b) 2 only c) Both 1 and 2 d) Neither 1 nor 2

30. Consider the following statements with respect to pattern of atmospheric circulations in Northern Hemisphere:

1. In the Hadley cell air moves from north to south
2. In the Ferrel cell air moves towards southwest
3. In the Polar cell, the winds travel from the northeast

Which of the above statement is/are incorrect?

- a) 1 only b) 1 and 2 only c) 2 and 3 only d) All of the above

31. Consider the following statements with respect to global winds and precipitation:

1. In low pressure regions, where air is rising, rain is common.
2. In high pressure areas, because of the sinking air the region is usually dry.

Which of the above statement is/are correct?

- a) 1 only b) 2 only c) Both 1 and 2 d) Neither 1 nor 2

32. Consider the following:

1. The circulation cell closest to the equator is called the Hadley cell.
2. From 30° latitude to 60° latitude, the circulation cell known as the Ferrel Cell.
3. Above 60° latitude, the circulation cell is known as polar cell.
4. In the Walker circulation, air moves from north to south on surface of earth

Which of the above statement is/are correct?

- a) 1 and 2 only b) 1, 2 and 3 only c) 2, 3 and 4 only d) All of the above.

33. Consider the following statements about Coriolis force:

1. Coriolis force is the result of pressure gradient on earth surface
2. In the northern hemisphere, air is deflected to the right by the Coriolis force
3. In the southern hemisphere, air is deflected to the left by the Coriolis force

Which of the above statement is/are correct?

- a) 1 and 2 only b) 1 and 3 only c) 2 and 3 only d) All of the above

34. Which of the following is a katabatic wind that blows from the French Alps towards the Mediterranean Sea?

- a) Mistral b) Santa Ana c) Chinook d) Loo

35. Consider the following statements:

1. Frontal precipitation does not take place outside the temperate region.
2. A cold front has precipitation more or less similar to convectonal type precipitation.

Which of the above statement is/are correct?

- a) 1 only b) 2 only c) Both 1 and 2 d) Neither 1 nor 2

36. Which one of the following climatic types is primarily influenced by shifting of pressure belts?

- a) Tundra type b) Mediterranean type c) British type d) Savannah type

37. Consider the following statements:

1. The polar front is the junction between the Ferrell and Polar cells.
2. The polar front is high pressure zone where relatively warm, moist air of the Ferrell Cell runs into relatively cold, dry air of the Polar cell.

Which of the above statement is/are correct?

- a) 1 only b) 2 only c) Both 1 and 2 d) Neither 1 nor 2

38. Consider the following statements:

1. Jet streams form where there is a large temperature difference between two air masses
2. A jet stream is a fast-flowing river of air at the boundary between the troposphere and the stratosphere
3. The polar jet stream is found high up in the atmosphere where the Ferrell and polar cells meet

Which of the above statement is/are correct?

- a) 1 and 2 only b) 1 and 3 only c) 2 and 3 only d) All of the above

39. Which of the following statements is/are correct regarding the composition of Atmosphere?

1. Carbon dioxide is the most abundant gas after Nitrogen and Oxygen.
2. Higher composition of dust particles is found in sub-tropical regions when compared to tropical regions
3. Oxygen is present only in the troposphere

Which of the above statement is/are correct?

- a) 2 only b) 1 and 3 only c) 2 and 3 only d) All of the above