

TEST No. 10

TOPIC: PRESSURE BELT and WINDS

SUBJECT: PHYSICAL GEOGRAPHY

Explanation:

Question 1.

Answer – C

Explanation: The equatorial low pressure belt is thermally induced because the ground surface is intensely heated during the day due to almost vertical sun's rays and thus the lowermost layers of air coming in contact with the heated ground surface also gets warmed. Thus, warmed air expands, becomes light and consequently rises upward causing low pressure. The equatorial low pressure belt represents the zone of convergence of north- east and south- east trade winds.

Question 2.

Answer – A

Explanation: High pressure persists at the poles throughout the year because of prevalence of very low temperature all the year round. There is thinning out of layers of air due to diurnal rotation of the earth as the air spreads outward due to this factor but this effect is overshadowed by thermal factor and hence high pressure is produced due to very low temperature.

Question 3.

Answer – B

Explanation: Third statement is wrong. High pressure belt does not disappear in any season, though it shift with the migration of the sun.

Question 4.

Answer – D

Explanation: second statement is wrong. Low pressure belt is dynamically produced because of rotation of the earth.

Question 5.

Answer – C

Explanation: Both statements are correct.

Question 6.

Answer – C

Explanation winds blow from high pressure belts to low pressure belts. The direction of such winds remains more or less the same throughout the year though their areas change seasonally. Thus, such winds are called permanent winds.

Question 7.

Answer – D

Explanation trade winds Blow from subtropical high pressure belts to equatorial low pressure belt from east TO west. brings much precipitation on eastern sides of continent.

Question 8.

Answer – B

Explanation: there is not much difference in regularity of trade winds in northern and southern hemisphere

Question 9.

Answer – C

Explanation: westerlies bring much precipitation in the WESTERN parts of the continents

Question 10.

Answer – D

Explanation: All statements are correct.