



UNIT III **CLIMATE**

NOTES

Weather and Climate – The atmospheric conditions of a place at a given time is the weather of that place. While, climate refers to the sum total of weather conditions over a large area for a long time. However, the elements of weather and climate are temperature, precipitation, atmospheric pressure, humidity and wind.

Climatic control – The climate of a place is influenced by latitude, altitude, pressure and wind system, and distance from the sea, ocean currents and relief features.

Factor Affecting India's Climate - The factor affecting the India's climate are latitude, altitude, pressure and winds system.

The Indian Monsoon – The climate of India is dominated by the monsoon winds. The sailor who came to India in ancient times first noticed the phenomenon of the monsoon. They took advantage as they came by sailing ships at the mercy of winds. The Arab who also came to India as traders named this wind system 'monsoon'.

The Seasons – The Indian monsoon has a distinct seasonal pattern. The weather conditions vary from one season to the other. Thus four different seasons are identified in India. They are the cold season, the hot season, the south west monsoon season and the retreating monsoon season.

Unifying Role Of The Monsoon – The Unifying influence of the monsoon is noticeable in the country. The reversal of the wind system and associated weather conditions provide a rhythmic cycle of the seasons. The uncertainties of rain and uneven distribution have become a matter of routine.

Climate and Human Life – There is a close relation between climate and human life. Climate affects the life of the people directly or indirectly. They cause much damage to life and property.
