

# PRABHA IAS IPS COACHING ACADEMY



## **Wet-Bulb Temperature**

Amid rising heatwaves across India and the world, the concept of “wet-bulb temperature” has gained importance.

Wet-bulb temperature is the lowest temperature to which air can be cooled through the process of evaporation. It is measured using a thermometer covered with a wet cloth and letting the water evaporate.

Unlike normal air temperature, it combines both heat and humidity levels to indicate how hot conditions actually feel to the human body.

Difference between Dry bulb and Wet bulb temperatures depends on the humidity of the air.

At 100% relative humidity, the wet-bulb temperature is equal to the dry-bulb temperature; at lower humidity, the wet-bulb temperature is lower than the dry-bulb temperature.