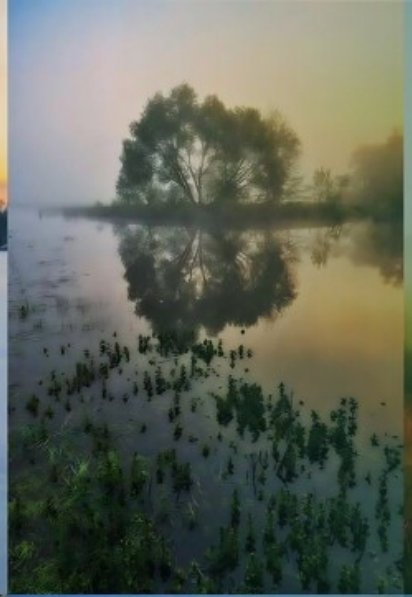
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CLASS – 7

SOCIAL SCIENCE

Exploring Society : India and Beyond

CH –3 : Climates of India

Part – 2

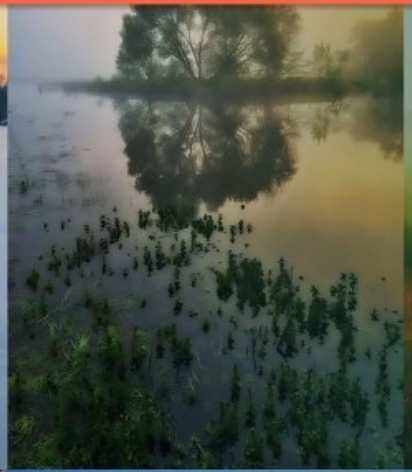
Types of Climates in India

Sukhdeep Kaur

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OVERVIEW

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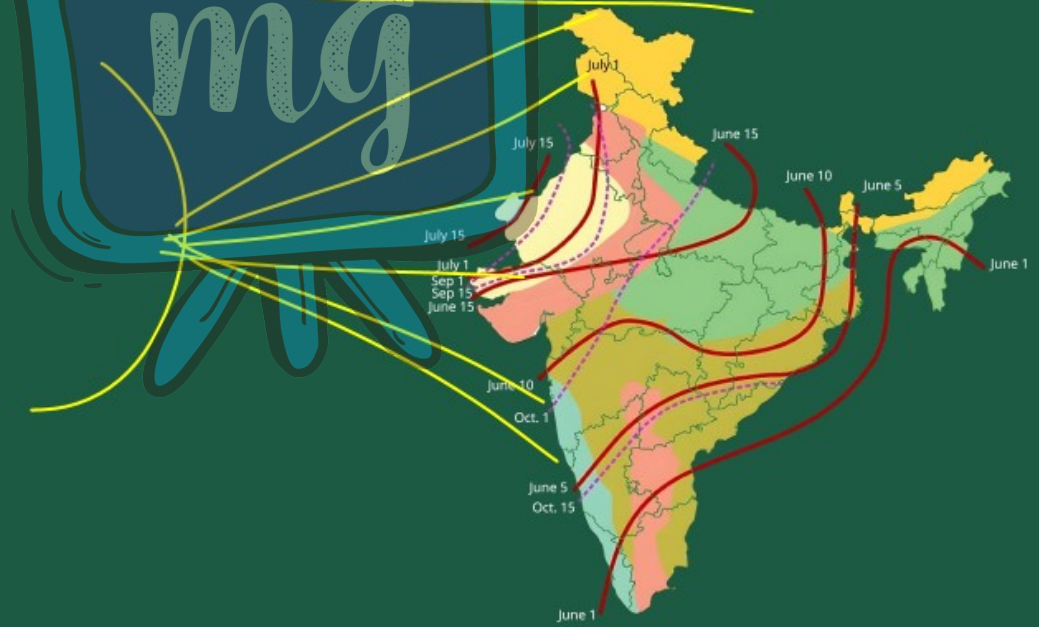
1. Weather, Seasons and the Climate
2. Types of Climates in India
3. Factors Determining the Climate
4. The Monsoons
5. Climate and our Lives
6. Climates and Disasters
7. Climate Change

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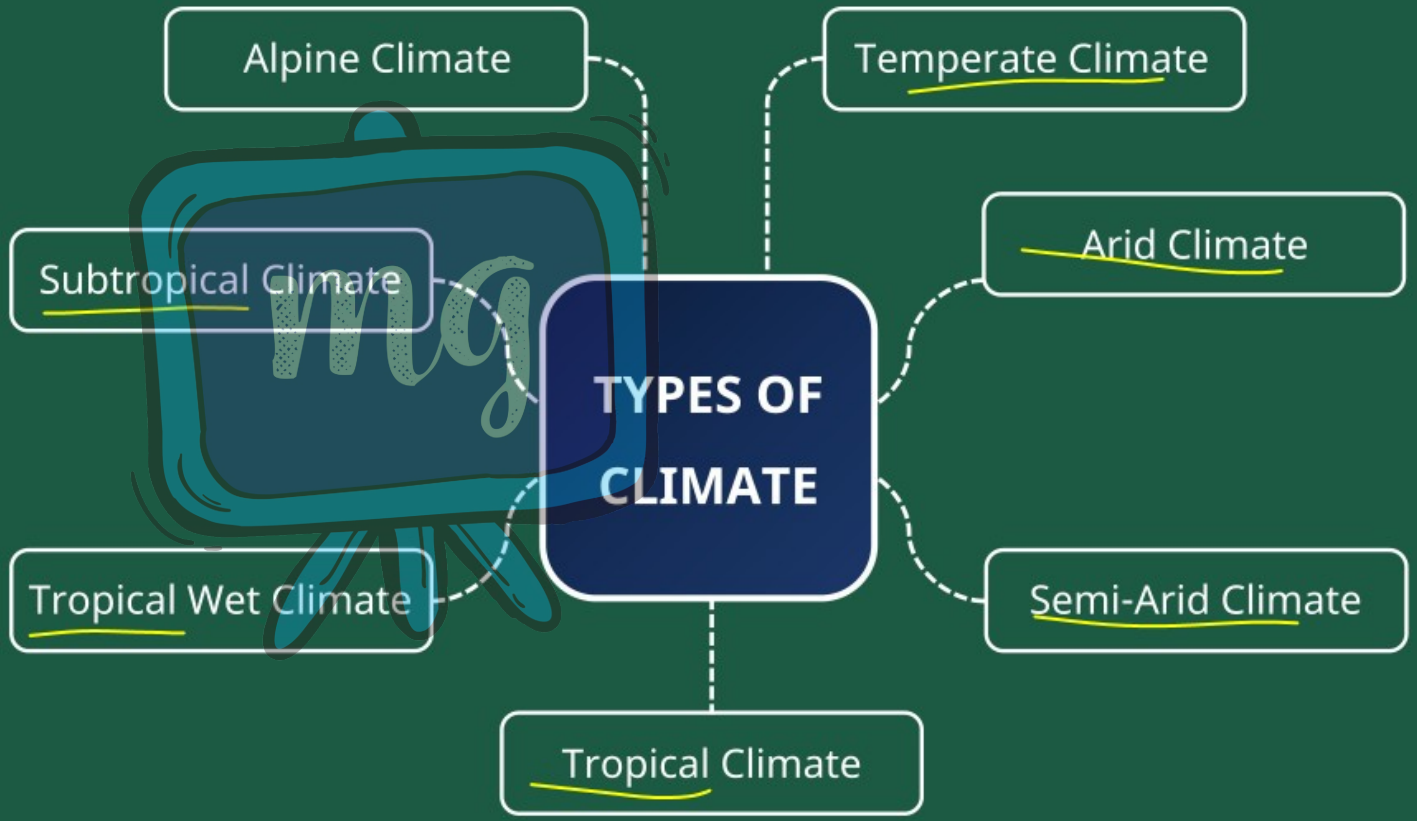
TYPES OF CLIMATES IN INDIA

India is a land of diversity, which is also reflected in its climate.



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1. Alpine Climate

- The northern part of India, especially the Himalayan region, experiences an alpine climate.
- Alpine climate includes:
  - Cold & snowy winters
  - Cool summers

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- The word 'alpine' is derived from the Alps, a mountain range in Europe.
- This region likely requires the thickest clothing in India due to the extreme cold.



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2. Temperate Climate

- Lower Himalayan regions and many hilly areas of India experience a temperate climate.
- Temperate climate includes:
  - Moderately cold winters
  - Mild or not-too-hot summers

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- These areas are home to many popular hill stations.
- Hill stations attract people looking to escape the heat of the plains.



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3. Subtropical Climate

- The northern plains of India have a subtropical climate.
- Subtropical climate includes:
  - Very hot summers
  - Cold winters
- This region is a major area for wheat cultivation in India.

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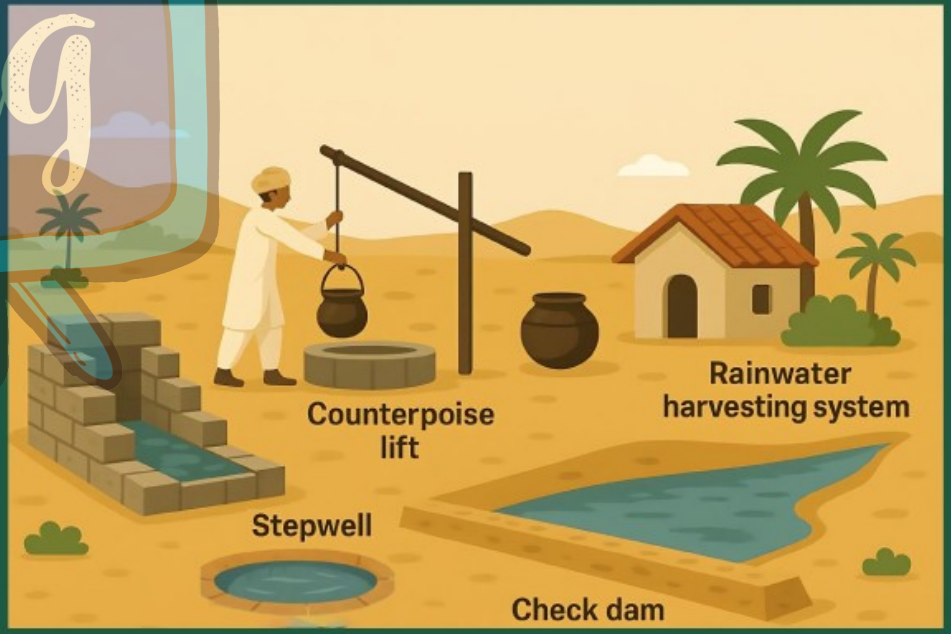
4. Arid Climate

- The Thar Desert in western India experiences an arid climate.
- Arid climate characteristics:
  - Extremely hot days
  - Cool nights
  - Very little rainfall

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- People in this region have developed unique methods to collect and conserve water.



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5. Tropical Wet Climate

- The western coastal strip of India receives heavy rainfall during the monsoon months.
- This results in a tropical wet climate.
- The climate is favourable for growing rice and spices.

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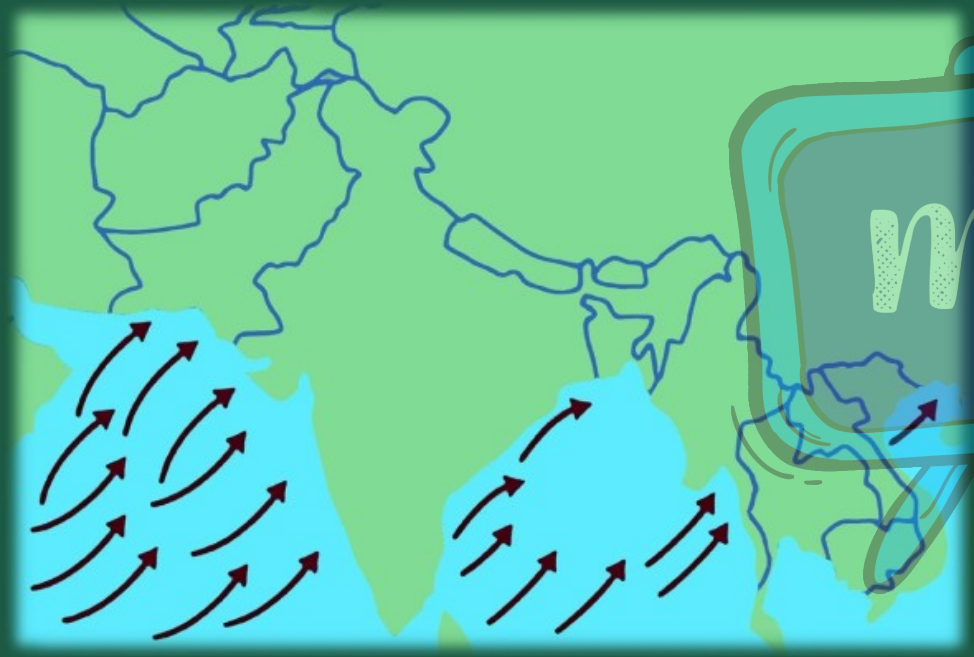


6. Semi-Arid Climate

- The central Deccan Plateau experiences a semi-arid climate.
- Climate features include:
  - Hot summers
  - Mild winters
  - Moderate rainfall during the rainy season.

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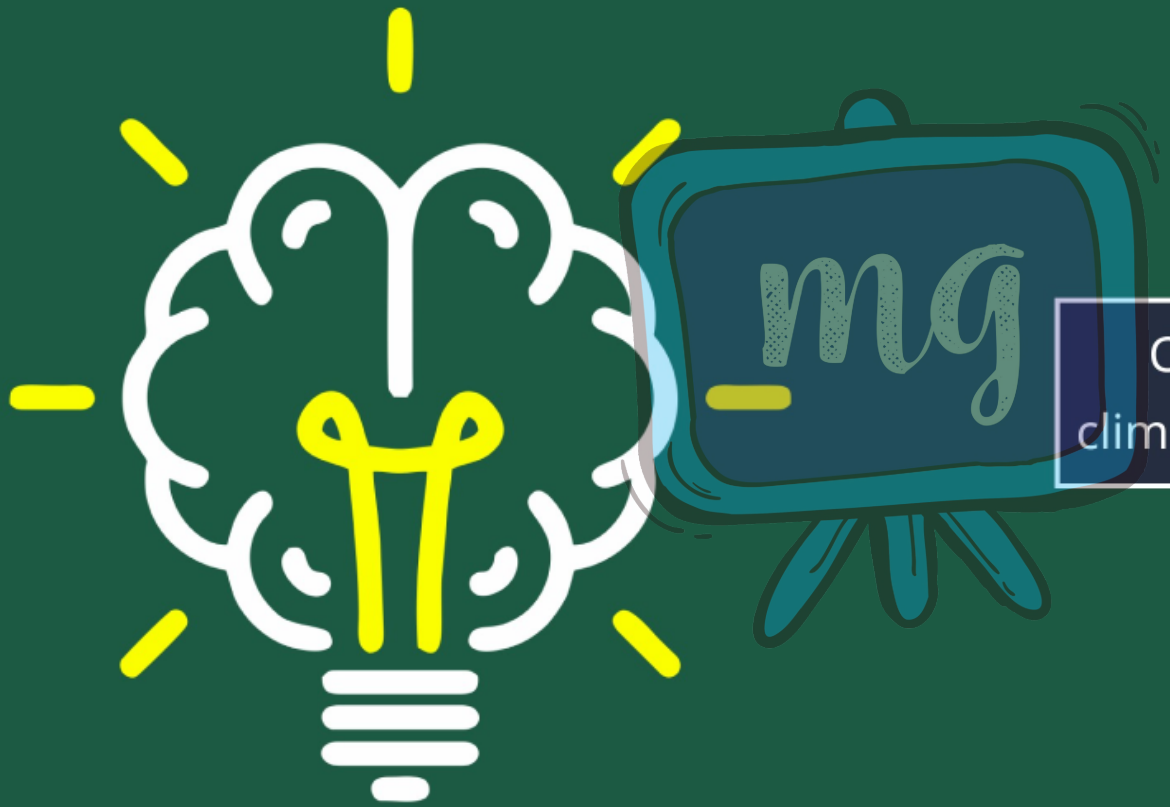
7. Tropical Climate

- Eastern India and the southern peninsula have a tropical climate.
- Characteristics of this climate include:
  - Mild winters
  - Distinct wet and dry periods
  - These wet and dry periods are controlled by monsoon winds.

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LEARNING OUTCOME

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Characteristics of all the climatic zones present in India



1 What are the typical characteristics of an alpine climate?

A Very hot summers and cold winters

B Cold, snowy winters and cool summers

C Mild winters and heavy rainfall

D Hot and humid throughout the year



2 What are the key features of a subtropical climate?

A Heavy rainfall and cool summers

B Very hot summers and cold winters

C Extremely hot days and cool nights

D Mild winters and short summers