



Dr. Jayachandran's

INSTITUTE FOR CIVIL SERVICE EXAMS

SOUTH INDIA'S PREMIER INSTITUTION FOR
PUBLIC POLICY AND CIVIL SERVICE EXAMS

GEOGRAPHY

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NATURAL VEGETATION / TYPES OF FOREST IN INDIA – PART 3

IN PART 1 DOCUMENT

MOIST TROPICAL FORESTS

Tropical Wet Evergreen Forest

Tropical Semi Evergreen Forest

Tropical Moist Deciduous Forest

Littoral and Swamp Forest

IN PART 2 DOCUMENT

DRY TROPICAL FOREST

Tropical Dry Evergreen Forest

Tropical Dry Deciduous Forest

Tropical Thorn Forest

SUB TROPICAL BROAD LEAVED FOREST

Sub Tropical Broad Leaved Hill Forest

Sub Tropical Moist Pine Forest

Sub Tropical Dry Evergreen Forest

IN PART 3 DOCUMENT

MONTANE OR HIMALAYAN TEMPERATE FOREST

Montane Wet Temperate Forest

Montane Moist Temperate Forest

Montane Dry Temperate Forest

Alpine Forest

Shola Forest

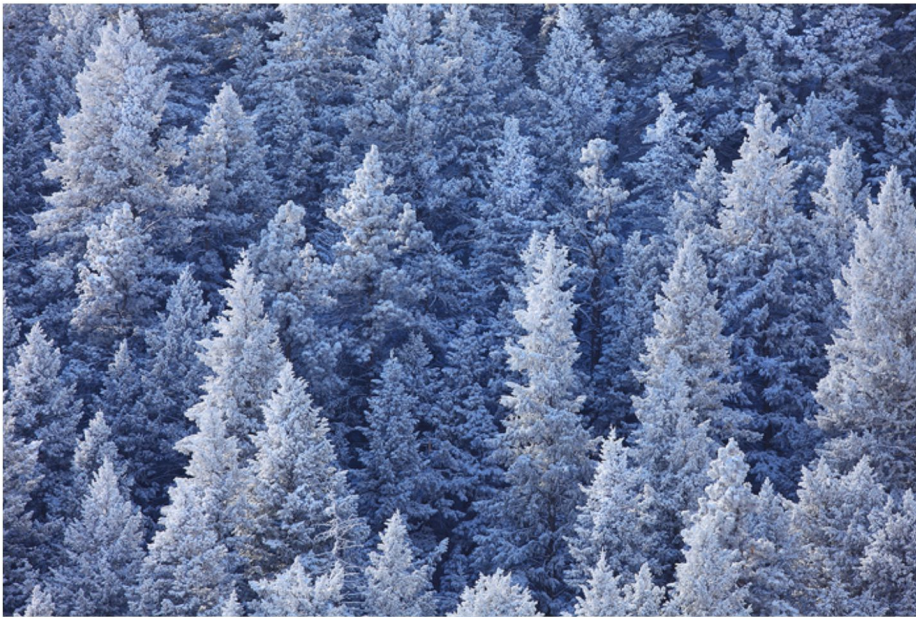
MONTANE OR HIMALAYAN TEMPERATE FOREST from 2000 m to 3000m in Himalayas it is further classified into

Montane Wet Temperate Forest

Montane Moist Temperate Forest

Montane Dry Temperate Forest

11. Montane Wet Temperate Forest



Rainfall 150 – 300 cm, **Temperature** 11 ° to 14 ° C.

Regions: Eastern Himalayas (between 2000 and 3000 m. but starts at ~1800m itself). And in higher hills of Tamil Nadu and Kerala

Species: Deodar, Sal, Birch, Plum, Blue pine etc. Sal dominates lower margin while Blue pine dominates Upper margin.

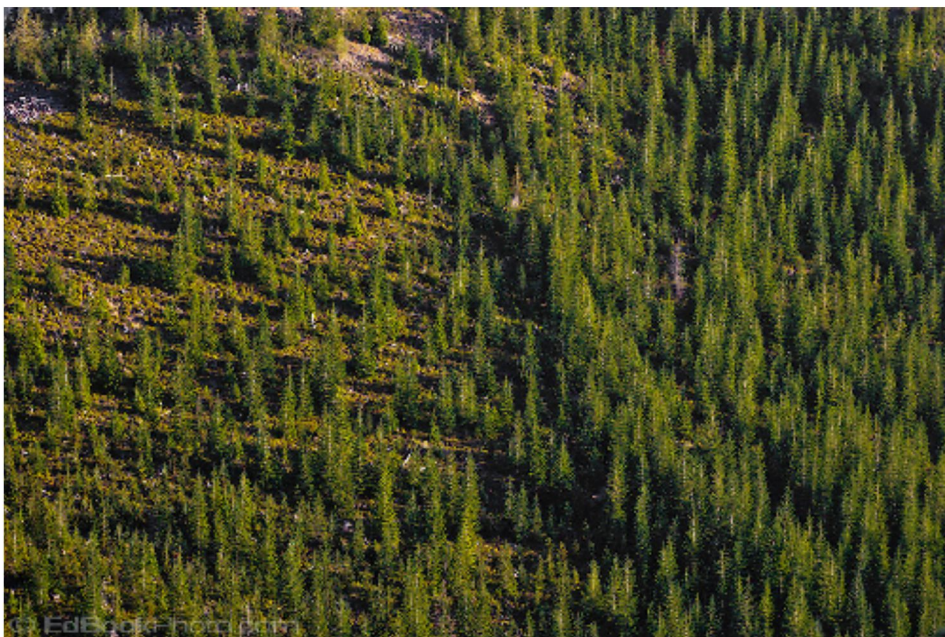
Characteristics of Forest:

- * Closed evergreen forests with short and branchy trees.
- * Leaves are dense and rounded.
- * Branches are clothed with mosses, ferns and other epiphytes.
- * Woody climbers are common.



12. Montane Moist Temperate Forest

Notes



Rainfall 150 – 200 cm, Temperature 11 ° to 14 ° C.

Regions: Eastern Himalayas (between 2000 and 3000 m. but starts at ~1500m itself).

Species: White cedar, Silver fir, Cedar, Spruce, Pine etc

Characteristics of Forest:

- * Mostly of coniferous species
- * Fairly open forest with undergrowth of shrubs.
- * Fine wood of these forest find many use.

13. Montane Dry Temperate Forest



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Rainfall <100 cm

Regions: Rain shadow regions of both the Himalayas (between 2000 and 3000 m).

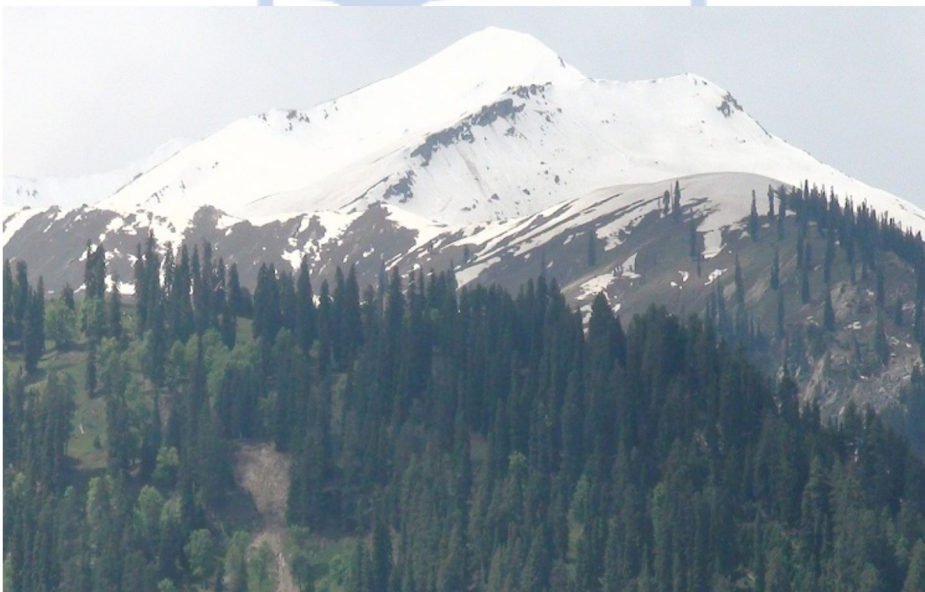
Species: Olive, Ash, Maple, Deodar, Celtis, Parrotia, chilgoza, Oak, Chilgoza etc,

Characteristics of Forest:

- * These are predominantly coniferous forests with xerophytic shrubs



14. Alpine Forest

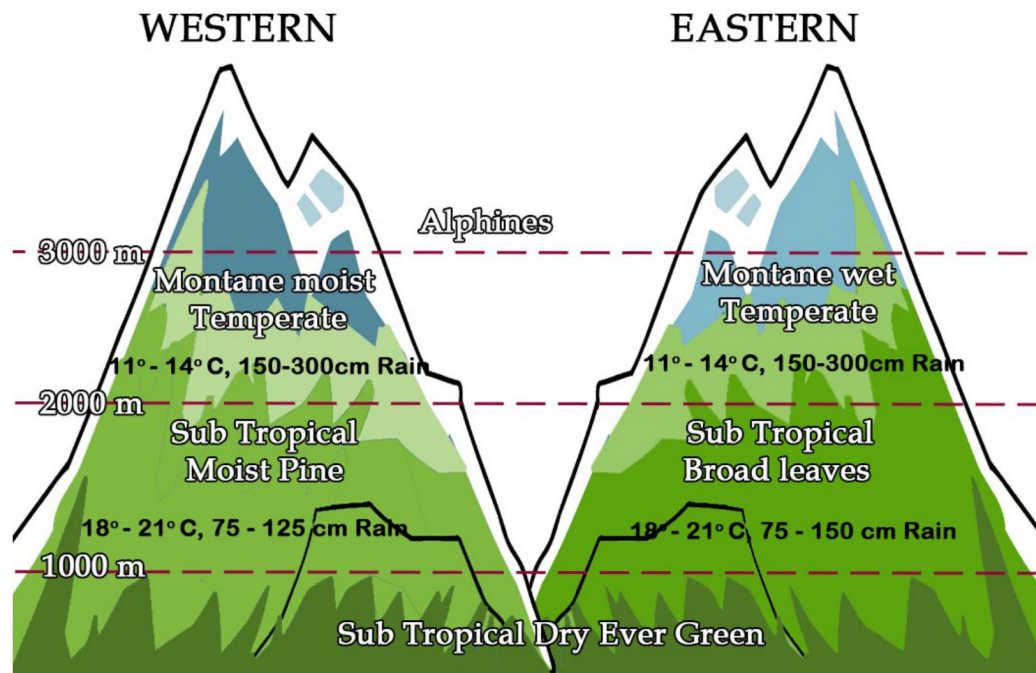


Region: on both Himalayas beyond 3000m in Rainfall Inversion regions.

In the order of decrease in Rainfall, Alpine classified as Most Alpine -> Sub Alpine -> Dry Alpine.

Species: Juniper, Honey Suckle, Rhododendron.





15. Shola Forest



Specialised category of forest. Also called Stunted Tropical Montane Forest.

Regions: Higher altitude (above 1600m) regions in Nilgiris hills, and in some high areas of Western Ghats in Karnataka, Kerala and Tamil Nadu.

Species: Kadambam, Kaatu senbagam, Megnotia.

Characteristics of Forest:

- * They are mostly stunted trees and some researches suggest them to be climatic vegetation (beyond any evolution).
- * Pollen analysis records them of 35,000 years age

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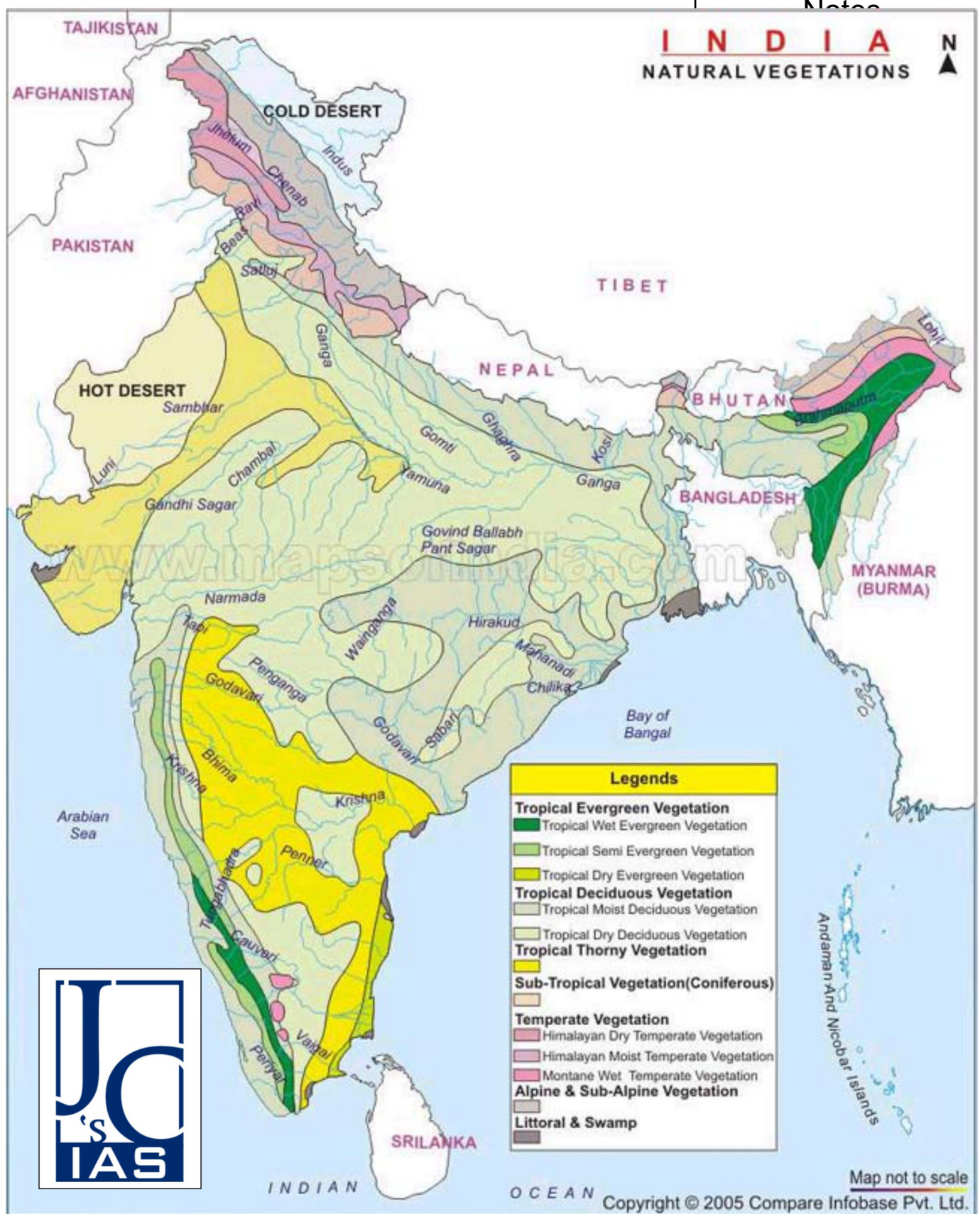
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