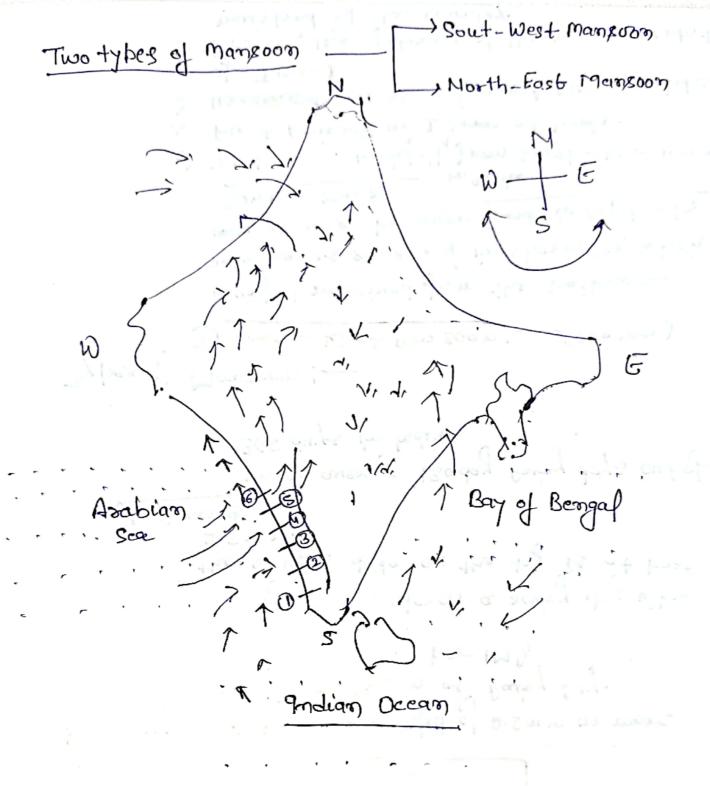
x Mansoon Arabic Words Maysim - Means Scason Manson! - "Segsonal reversal of wind" Total Annual Rounfall = 19 1194 mm in India Rainy Day ! - A day with rainfall of 2.5 mm or more rainfall is known as Rainy Day. CAs per IMD, A day is considered a sainy day When the rainfall data on the day is at least 2.5 mm. In Genesey On an average 130 day Rainy days out of 365 days in India. Types of Mansoon! -1 South- West Mansoon! __(summer) Rounfall received from the south-west mansson i's seasonal in character, which occurs between June to september or Summer Mangoon In India -> 75 to 804. Rounfall from South-west manson First pountall on 1 June at Kerda. les anser als normal onset Monsoon dute

> Kesalan the gateway of the monsoon into the

of June-1



Western Ghats Mountain Rainfall (mm)

(1) Anamudi - 8,842 It -> 3000 mm

(2) Doddabeta - 8652 It -> 2700 mm

(3) Kudzemukha - 6,214 It -> 3000 mm

(4) Muhngiri - 6,330 It -> 2500 mm

(5) Mahabaleshwar 4500 It -> 2000 mm

Generally, across the world, the monsoon are experien--ced in the tropical area roughly between 20°N and 20'S.

Southwest Mansoon! Mechanism

case on set of the Manscom! -

- > The location of ITC2 shifts north and south of equator with the apparent movement of the syn.
- > During the month of June, the sun shines wertically over the Tropic of Cancer and the ITC2 shifts monthwords.
- The Southeast trade wind of the Southern hemisphere cross the equator and Start blowing the Southwest to northeast direction under the influence of coriolis force.

The Arabian Sea breach of The monsoon wind noted contribution - 80%.

Noted contribution - 80%.

In total powinfull Sea.

The Bay of Bengal branch! -

Mote Contribution=20%.
in total Painfall

The Aveikan tills along the coast of the Myammar deflect a big portion of this bornch towards the Indian Subcontinent. The monscon, therefore, enters west Bengal and Bangladesh from South and Southeast instead of from the south-westerly direction.

Inter Tropical Convergence Zone (ITCZ)-

letitudes. This is where the northeast and the southeast trade wind converge. This is convergence zone lies more or less parallel to the equator but moves north or south with the apparent movement of the sun.

cloud Seeding :-

clouds seeding is one of the tooks to mitigate the effects of drought.

this defined as a process in which the precipitation is encouraged by injecting artificial condensation ruclei through aircraft or suitable mechanism to induce rain from rain bearing cloud. The rain drops are several times heavier than cloud droplets. These mechanisms are different for cold and warm clouds.

- clouds are classified into warm and cold cold clouds based on cloud top temporature.
- are called warm clouds.
- called cold clouds.

1 Warm Seeding

A Dry Ice Seeding 6-v Dry Ice (Solid Carbon-dioxide) Tem; (-802)

with the commonly used for cloud seeding with dry ice.

Aircraft flies across the top of a cloud and 0.5 - 1.0 cm dry ice bellets are released in a steady stream.

This method is not economical of 250 kg of dry ice is required for seeding one cloud.

(B) Silver lodide Seeding: - (AgI)

Minute crystals of silver iodide produced in the form of smoke acts as efficient ice-farming nuclei at temporature below (5°2).

The appropriate procedure for seeding cold clouds would be to releases silver idide smoke into super cooled cloud from an aircraft.

In seeding cold clouds silver lodide technique is more useful than dry ice technique, becouse, very much less of silver iodide is required ber clouds. Thise is no necessity to dly to the top of the cloud, if grea to be coverage is large.

(2) Warm Seeding : - (sodium Chloride) Nacl

months of october to December, When significant sainful occurs in souitheastern barts of perinsular hola.

- In comparision to southwest indian monroom the northeast monroom accounts for only about 15 % of Annual florinfull in India.
- Fund Puducherry, Kasaiker, Yanam, And have Badesh, Kesda and others parts of socuth India.
- I Low-pressys system, depressions, and executed sourfull executed cyclones cause the amociated sourful also known of the Winter Monsoon.
- The Main seeing season in TN (Tamifledu)
 and adjoining area of Andhra Badesh
 to the souith of the triala Drishna delta,
 as well as a secondry rainy season in
 Kerala; is form october to November.

Retrocating Monsoon of Monsoon is also Known of the A retrocating monsoon is also Known of the Northeast monsoon or Post- Monsoon season.

The retracting monsoon also morks the beguning of winter season of India. The temprature gardually dearease across the count country.

Acid Routin g_

Acid rown resufts when sufer diopide (SO2) and mitrogen opides (MO2) and emitted into the atmosphere and transported by wind and air atmosphere and transported by wind and air currents. The SO2 and NO2 react with water, oxygen and other chemicals to form suffunc and oith ric acid. These then mix with wester and other chemicals before falling to the earth.

Weather Forcasting &___

1) Mow a day weather preasting

- (m RWF) De we 3 do lo days
- (I R WF) (In year three times)

 This weather for casting suctable cropping pattern in Agriculae of India.