

Class-Xth WATER RESOURCES

Introduction

1 3/4th of the surface is covered with water.

→ Usable part: - · Surface Run off · Ground

Hydrological Cycle

Question Then why Water is Scarce ????

Reasons -> 96% is in Ocean's only 25% is flesh

-> 70%. Fresh Water is occurring as Ice Sheets & Glaciers.

ion & rank 133 in term of water availability person per annum.

-> Total Renewable water resources are estimated at 189759 km per amoun.

-> By 2025, large part will face absolute Water Scarcity.



WATER SCARCITY - I

Abundance and fenewability of -

How can it be scarce?

(we think

But its due to

It may be in area of deserts.

unequal excessive explaitation

distribution among Various sections of society.

FALKEN MARKS

water stress occur when availability of water is blu loop & 1600 cubic m/pers / year.

WATER SCARCITY - II

Quantitative Aspect

Population (1)

Demand of water + food 1

More Inigation (1)

* Exploitation & falling ground water level.

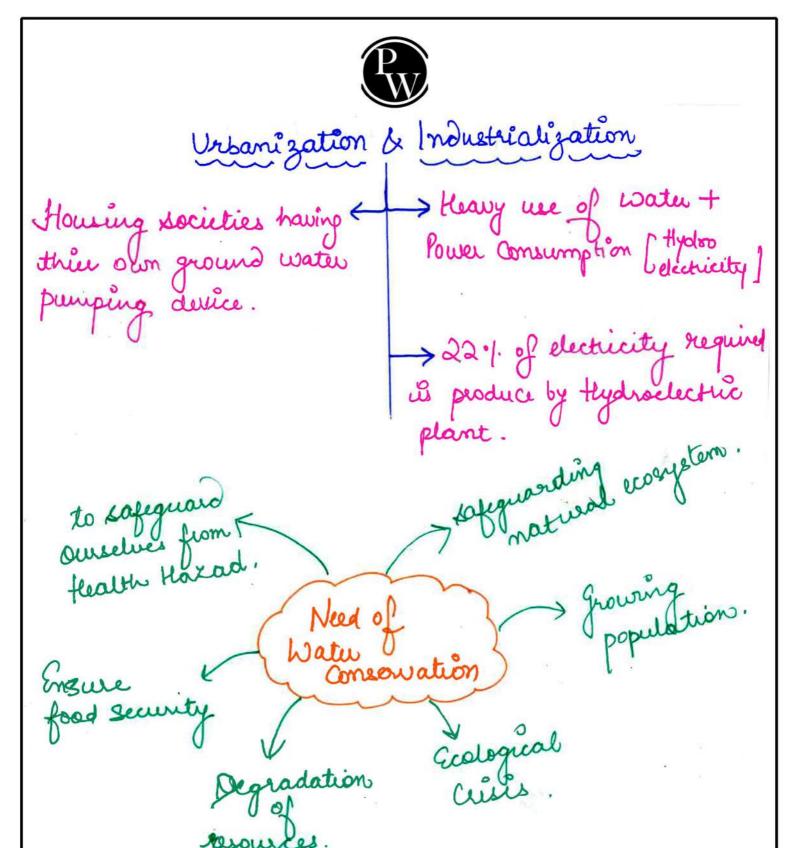
Qualitative Aspect

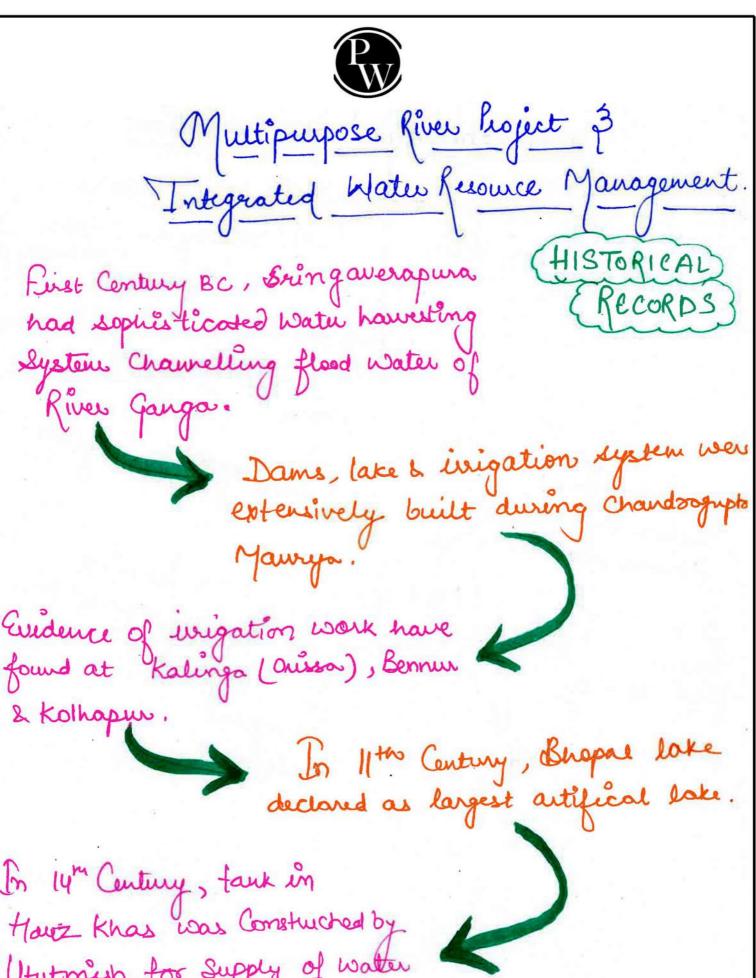
More population 1

More Activities 1

led to Bad Quality of water.

Polluted due to Domes. tic waste, pesticides etc.





In 14th Century, fack in Howz Khas was Constructed by Ututmish for Supply of Water in Sui fost Area.



** Also CALLED AS LEMPLE OF MODERN INDIA Based on Height > It is a barrier across flowing water large that obstruct, direct or letard the flow & Creates a eventu lake. eg Timber dam -> lugation -> Regulating River Affects -> Excessive Sedimentation -> Rockier Steam beds. agnotic life. La Submergence of regetation & soil. -> large Displacement -> Changing Crop pattern. > Salination of Soil > Andolan eg Narmada Bachao & Terri Dam.



RAIN WATER HARVESTING

* Economically & Envisormentally Viable Alternative against MPP.

A Variation in Water Hawesting System, keeping local acological Condition & their worster needs in

Mountains many hill tops

D'Aisdurer and agricultural fajosthour area field Converted ento rain fed

Bamboo drip

Jergation System

Jusage of

Meghalaya 200 yer old Bamboo pipe

Region.

80% collection efficiency

& 5000 lite collected

annually.

4) Roof top fain howesting System

pipes, water

us transposted

Storge Structure.

Gendathur Model as Tanka System. Nysone, Iooomin Karnatka precipitation with

FACT
Ly Tanil Nadu is first state having legal provision of Rooftop nowesting.

area of though

Bikaner.