#### UTILIZATION OF WATER

- E) Origin at Water.
- ii) forms of Water
- iii) characteristics of klater.
- iv) Distribution of Water.
- v) Vitilization of Water.

#### Origin of Water !-

bup roduct of Star formation. when star are born, their birth is accompanied by a strong outward wind of gas & dust. When this outflows of materials eventually, impacts the Swanding, gas, shock waves.

plater that been detected in interseller clouds within our galaxy, the milky coay. Water probably exists other galaxies, too, because its components, hydrogen and oxygen are among Element in the Universe.

## forms of haton:

Whater expers only to its liquid form or State, but the Substance also solid State, ice and a ges state, Water vapour or Steam.

# UTILIZATION OF WATER

Water Vapour:

Water Vapour is present in Earth's atmosphere: 0-401. Own fall atmosphere , typically 1-47. at Burgare.

Liquid Water : -

Present on Earth -717. of water body, Moon-Small amount of acates have been yound (in score). Earth by the Apollo 15 crew in 1971. NASA Dieported of molecules by NASA'S Meen Mineralegy Happen, the Indian Space Research Organization chandrayan-1 in Sep (2009).

Water Pce :-

present on glacies and polar ice caps 2-47 water covers TIVE of the Buth's Surface. 1-67. of water below ground in agrifers and 0.001. in the air vapor. Ocean hold at 1. of Swiface water, glaciers & polar ice cap 2.4% and other land swiface water, ponds 0.6%. The Earth's water is contained within biological bodies & manufactured products. Characteriscs of histor:

Physical characteristics:

Water is made avaible by the natural hydraulic cycle of the atmospheric -occanic-terrestrial bystem. Water renewable withdrawals or use. Water is vital sussource human & other animals and plant health. Large-Scale withdrawls or transfer of water can change ecological conditions.

## UTILIZATION OF WATER

Economic characterities:

Water a used in economic activities and hence must be allocated among competing was. Since water is a difficult to measure and identify. An Such is difficult to Subject water to market faces in a market economy, life and economic activities. Over periods that durant those considered in convention cost benefits analysis.

Social characterities: That access to water is a basic (human rights. That coater is social good in that the availabity of clean and affordable coater improves both individ & Social coell defined. The public health impact of inadequate water supply and Sanitation has serious social & economic consequences for all. Political characterities:-

The above physical, economic, social & political characters of water make it a unique oversource in which a degree of government involvement in inevitable. The discussion of now turn to the government structures which have been implemented in order to manage and provide this complicated and vital oceanouses.

Distribution of klater:

Water cover, 717. of the earth's Surface . On Fauth, it is found mostly in Oceans and other large water bodies, with 16%. of moter below ground in aquifores and 0.001-1. in the air as vapour, clouds (formed of soild and liquid coater porticles Suspended in air), and precipitation.

Ocean hold 97% of Surface water, glacous and polar ice caps 2.4% and land Swiface weater Such as silvers, lakes and ponds 0.6%. A very small amount of the Earth's water is contained within biological bodies and manufactured Products.

Utilization of Water: -

97% of water on the Earth is salt water, leaving only 3% as fresh water of which slightly over two thirds is frozen in glaceiers and polar ice caps. The remaining unfrozen fresh water is mainly found as groundwater with only a small fraction present above ground or in theair. Mater eresources are used in various ways

including direct consumption, agricultural irrigation, fisheries, hydropower, treatment of sewage and industrial efficients, water has sources and supplies, economic, social and political characterics which make it a unique and challenging national sussemble to manage.