- : Natural Resources and Associated Problems:-

Life on the earth is totally depends upon plants. The basic requirement of humans are the food ,shelter and cloth Hence the first resource is :-

1. Forest Resources:- It can be divided into two types ,These are :-
2. Direct uses
3. Indirect uses
4. Direct Uses:-
5. Wood being used as Fuel for thousands year
6. Saw mills , Agricultural Equipments, Fruits, roots etc. are used as food.
7. Furniture and decorative wooden articles. For paper making and manufacture of match boxes
8. As a raw material in various industries.
9. Fruits, leaves , seeds, gum ,grass, bark etc. are used in preparation of medicines , chemicals etc.
10. Indirect Uses:-
11. Climate:-

Sun rays do not heat the land directly because of the vegetation cover the heat of sun.Which prevent the evaporation of water. Leaves of trees conserve the humidity and helps in keeping the atmosphere in normal condition , forest s increase the average rainfall.

1. Water Conservations:-

Evaporation of surface water, ground water and soil water is minimized because of forests. Root of plants hold the water that get percolate and increase the level of ground water.

1. Enrichment of Soil:-

Leaves, flowers, fruits bark etc of plants fall off on the land. This organic material decomposes and form the good manure.

1. Flood Control:-

Plants are good conductors of flood. It decreases the speed of running water and minimize the rate of flood.

1. Conservation of wild life :-

Forests are the living places of wild life, where they get food , protection and shelter.

1. Pollution Control:-

Forests minimize the air pollutions. Plants purify the air and produce oxygen which is required for survival also minimize the effect of temperature and thermal pollution.

1. Environmental Balance:-

All the problems like pollution, ozone depletion,rise in CO2 , global warming ,soil erosion ,drought ,all such ecological problems can be solved by only tree plantations.

\*Causes for Deforestations :-

Increasing grazing land , Industrialization ,Large dams and Building Constructions Increasing civilization, Increasing demand for wood, Mining , smuggling etc.

Effects of Deforestation :-

Soil erosion , Loss of bio diversity, Drought , No flood control, imbalance of different gases in atmosphere ,

1. Water resources :-

Life is impossible without water 71 % of earth has been occupied by water. 97.2 % of water is salty while only 2.8 % is a fresh water 0.65 % of water is found to be present in rivers, lakes, tanks and as ground water .Very little amount of water is useful to human being .Increase in populations, Industrialization , urbanization and changing life style increased the use of water .

On the basis of occurrence, Water is divided into two types :- Surface water and Ground water.

1. Surface water :-

Rain water which flows to lakes, rivers , tanks ,ponds etc. is called as surface water. Such water is used for household work , agriculture, cattle, Because of water mismanagement ,we have search for several kilometer for drinking water.

Floods:-

Excess amount of water in the catchment area of river spread in the surrounding area causing loss to properties and life is called as “flood”. The rivers like Ganga , Brahmaputra , Sindhu , Yellow river in China always have floods. Flood it causes sea earthquakes, cyclones , tsunami tides can be created. Floods have greater effects , it destructs the property and death of humans.

Drought:-

If it does not rain for long time It causes “dry drought” and if the rain is excess it causes “wet drought” . Drought means rain below average. “ When monthly or annual rain fall is below to 85 % than average. When the rain fall is below to less than 75 % than average is called as “drought”. Drought causes imbalance of water cycle, shortage of food , increase in temperature , no water, fodder ,no cattle,

For its control to built the dams on the river.

1. Mineral resources :-

The economical development of country is totally depends upon the richness of minerals. These are distributed in earth unequally. Naturally occurring minerals are being extracted in uncontrolled manner therefore certain mineral deposits are get exhausted Hence there is need to conserve the minerals sources.

Minerals are the natural resources used in agriculture , industries, transportations ,communications ,house hold chemicals etc.

Effects :-

Mining is highly responsible for deforestation, it destruct many trees ,plants and animals. It release many toxic gases, dust etc, huge amount of excavation causes sliding of land. It causes all types of pollutions.

D) Food resources :-

Food is required for healthy growth of plants as wel as for animals ,increase in population need the increase in food. According to WHO , one should get the 2550 to 2650 calories from daily meals. Drought conditions creates many problems related to foods.

Fertilizers are used to increase the fertility of soil for increasing the crop yields. But that causes severe different types of pollutions.

Modern agriculture is only the source to increase the food.

E.Energy resources :-

Energy is required for the economical development of country and for the living standard. For the production of energy coal, petrol is used in ancient times. Energy resources are divided in to two types :-

1. Renewable energy resource
2. Non – renewable energy resource
3. Renewable energy resource:-

The energy which can be regenerated with natural cycle by humans is known as renewable energy. for eg. Solar, Hydroelectric, Oceanic and bio-mass energy. All these sources of energy can use number of times

1. Non-renewable energy :-

These resources of energy cannot produced by man. Uses of these resources like coal , petrol ,natural gases etc. has been seen on large scale but it keeps in mind these resources are limited hence one day they are going on exhaust. These resources can not renewed and have many environmental problems such as air pollution, water Pollution, global warming ,acid rain etc. Hence there are use of alternative energy resources but These energy sources are depends on natural energy flows ….

1. Solar energy :- Sun is the chief source of energy on the earth. The energy derived from the sun is called as “solar energy”. This energy is required for human being for their survival. This energy source is depends upon seasons. Cloudy weather , and geographical locations. This energy is divided in to two types : -
2. Passive Solar energy.: - It is simplest method of using solar energy. For this buildings are constructed in such manner there will be full utilization of solar energy . because of special kind of arrangement, buildings remains warm,

2.Active solar energy :- The equipments based on solar energy are always utilized e.g. solar heater, cooker,lamps etc.

b) Hydroelectrical energy:

Such type of energy is generated with the help of water. It is economically as compare to other sources. Because for it’s generation no fuel is required. There are several hydroelectric energy projects functioning in India. e.g. BhakraNangal , Koyanna, Bhira, Ujani , Hirakud, Tungbhadra etc.

c)Wind Energy :-

It is being used since ancient time, It is not widely used .This energy is generated with the help of wind. There are many geographical places in the world for the generation of wind energy. for its generation space is required , It does not require any fuel. it is also not polluting source ,In recent times in Maharashtra Chalkewadi located on Sangola – Miraj road as well as in the state likes Tamilnadu , Orissa, Gujrat etc.

d) Tidal Energy :- The tides are the daily movements of water along the seacoast by the gravitational attraction between Sun ,Earth and Moon. In India first tidal energy generation project has been made in 1984 at Madras IIT centre. It is also generated at the coastal region of Kerala, west Bengal.

e). Geothermal Energy :-

It is used for the generation of electricity. This energy is comes from magma molten rock material below to the earth surface. Water in the rock that get heated create the steam that get trapped .such energy is generated in America, Japan ,Russia.

E.Land resource :-

It is natural source on which living organisms are get survival. Basic needs of humans are fulfilled by land only. Buissness, Transportation , Industries , all that depends upon land directly or indirectly. Below to land we will geta the minerals and above the top we will get the soil where there we could take the crop food. It is also source of water.

Land sliding is the slip down of big masses of soil,rock from mountains. Man are responsible for land sliding because it carries projects like Kokan railway by excavation of hills. frequently land sliding is occure during rainy season.

“Conservation of nature is nothing but Conservation of Ourselves” .

“LET EVERYONE BE HAPPY >>>>>>>>>>>>>>>SS>>>>>>>>>>>>>>>>>>>