



মহাশিক্ষা বিভাগ (মাণিক্য)

DEPARTMENT OF EDUCATION (S)

Government of Manipur

CHAPTER - 2

LAND, SOIL, WATER, NATURAL VEGETATION, WILDLIFE, MINERAL AND POWER RESOURCES

NOTES:

- **LAND USE:** the use of land for different purposes like agriculture, roads, forests, construction of houses, mining, manufacturing etc.
- **SOIL:** The top layer of the earth's crust.
- **PARENT ROCK:** The original rock called parent rock, from which the soil is formed, determines its characteristic.
- **TOPOLOGY:** A detailed account of the features of a tract of activity.
- **SOIL EROSION:** The removal of soil, especially top soil, either naturally or as a result of human activity.
- **CLIMATE:** The average weather condition of a given region over a long period of time.
- **LOESS:** Loess is a form of soil made by the accumulation of wind-blown dust.
- **CONTOUR PLOUGHING:** Technique of ploughing parallel to the contour of a hill slope rather than up and down the slope, so as to reduce soil erosion.
- **TERRACE FARMING:** The growing of crops on level steps or terrace that have been constructed on hill sides.
- **CROP ROTATION:** If the same crop is sown in the same field, year after year, this consumes certain nutrients from the soil making it infertile. Crop rotation can check this type of erosion.
- **STRIP CROPPING:** The growing of different crops on parallel narrow strip. It reduces gully erosion.
- **DEFORESTATION:** The removal of forest cover and it exposes the area of soil erosion.
- **SHELTER BELT:** In dry regions, rows of trees are planted to check wind action and soil erosion.
- **BIOMES:** Groups of plant communities growing in regions having similar climatic condition.

- **NATURAL VEGETATION:** Plants growing naturally in any regions.
 - **FLORA:** Plant kingdom.
 - **FAUNA:** Animal kingdom
 - **SAVANA:** Thorny and stunted grasslands found in Northern Australia, Brazilian and Guinea highlands in south America and Sudan in Africa.
 - **RIVER BASIN:** The area drained by a big river along with its small stream.
 - **ECOSYSTEM:** Plants, animals, human being part of ecosystem. This interacting system of a biological community and its non-living surrounding.
 - **MINERALS:** An inorganic substance which is found in the earth's crust and it has a definite chemical composition.
 - **METALLIC MINERALS:** Those minerals containing metals.
 - **SMEETING:** The process of heating for separating metals from their ores.
 - **MINING:** The extraction of minerals from the earth's crust.
 - **QUARRY:** Extraction at the surface level.
 - **ORE:** Metals in their raw states as they are extracted from the earth.
 - **FOSSIL FUELS:** Fuels formed due to decay of plants and animals millions of years ago.
 - **RECYCLING:** Using the discarded materials once again.
 - **ALLOY:** A new minerals formed due to combining of minerals.
 - **CONSERVATION:** Using the available resource carefully.
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