Desertification

6th sem (major)

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: Desertification !

is exclusively any character of with a sold believed Desertification is a process whereby the productive potential of arid or semi-arid lands falls by ten percent or more Moderate descriptication is 10.25 / drop in productivity severe desertification causes 25-50%, drop while very severe desertification ressults in more than 50% drop in productivity and usually executes huge gullies and rand dunes. Desertification leads to the conversion of agricultural and forest lands to desert like conditions in which agricultural productivity falls. Desertification is generally characterised by decrease of regetation cover, depletion of ground water, salinization and severe soil exosion. Desertification is not the literal imasion of desert into a non-desert areas It includes degradation of the everystems within as well as outside the natural deserts. The Sonoran and Chihanahuan deserts are about a million years old, yet they have become more barren during the last 100 years. 30, further desertification has taken place within the desert.

Causes of Desertification:

For mation of deserts may take place due to natural phenomena like elimate change er may be due to abusive use of land, fiven the climate change is linked in many ways to human activities. The major anthropogenic activities responsible for

desertification are as follows:

Deforestation: The process of demoting and degrading a forested land masses initiates a desert producing eyele that feeds on itself. Since there is no vegetation to hold back the surface run-off, water drains off quickly before it can soak into the soil to nourish the plants or to replenish the groundwater. This increases soil erosion, loss of fertility and loss of water.

by descriptionare the processing affected by descriptionare the processing areas of the world. This is because the increasing cattle population heavily graze in grasslands or torests and as a result denude the land area. When the earth is demided, the microclimate near the ground becomes inhospitable to seed germination. The dry barren land becomes loose and more prone to soil erosion. The top fertile bosedsburners layer is also lost and thus plant growth is badly hampered in such soils. The dry barren land reflects more of the suns heat, changing wind patterns, driving away moisture laden clouds leading to further desertification.

Mining and quarying: These activities are also responsible for loss of vegetal cover and demodation of extensive land areas leading to desertification.

Deserts are found to occur in the arid and semi-arid areas of all the continents. During the last 50

years about 900 million hectares of land have undergone desertification over the world. This undergone desertification over the world. This problem is especially severe in Sahel region, just estimated that if desertification continues at the estimated that if desertification continues at the present rate, then by 2020, it will affect such presently occupied by 20%. lands which are presently occupied by 20%. I have human population.

Among the most badly affected aneas are the sub Saharan Africa, the Middle East, Western Asia, parts of Central and South America, Australia and the Western half of the United States.

years, human activities have been responsible years, human activities have been responsible for descriptication of land areas equal to the for descriptication of land areas equal to the size of Porazil. The UNEP estimates suggest that if we donot make sincere efforts now then avery soon 63%, or forestlands, 60% of rain-fed croplands and 30%, or irrigated croplands will suffer from descriptication on a worldwide scale, adding 60,000 km (square km) of deserts every year.

Therefore, environment management, awareness of mass people, soustainable development and ecopyriandly technological development etc. are essential. Same tree and same environment plant trees etc. slogans should be made propular and effective among general people.