	Name & Shivanshy Srivastava
	Semester : Ind
	Enrollment No. 3 A2305220750
	Section & CSE 3%.
8.3	Discuss the structural function of ecosystem.
<b>&gt;</b>	Structural companied of an ecosystem is categorized into protice and
	factors. The biotic and abrotic components are interrolated in an ecosystem.
	It is an open system where the energy and components can flow
	throughout the boundaries.
	Schematic representation of the structure of an ecosystem?
	ECOSYSTEM
	Abiotic Emponents
	Producers Consumers Decomposers
Win	ratic Edaphic Autotrophs Heterotrophs Saptrotrophs
Rain Light W	and Temperature Topography
	PH Minerals
	Secondary Terliary Qualemary
	Primary Secondary lettrary Statementy Consumers Consumers Consumers
	Hurbsvores Carnsvores large Carnivores Omnivores
	Absolic (Non-living) Components: They are the non-living components of an
	crosystem. It includes air, water, soil, minerals, sunlight, temperature, nutrients,
	wind, altitude, turbidity, etc.
	Brotec (Living) components à They are the living components of an easystem.
7	Producers & They produce their own food through the process of photosynthesis
(A)	Eg: All autotrophs such as plants.
	Granmers: They depend on other organisms for their food. Also known as
	heterotrophs.
	Primary Consumers & They rely on producers for food Also known as Herbivores.
(6)	Secondary " Primary consumers for food. Also known as Cornivores.
The same of the sa	

Tertiary consumers can also be an amnivore.

O Decomposers & They directly thrive on the dead and decaying arganic matter

Significant such as jungo and bacteria.

Piscus the ecological importance of forest.

The ecological importance of jorests are &

O Regulation of global climate and Temperature & Forest cover absorb the solar radiations that would otherwise be reflected back into the atmosphere by bare sorface of the corth. Also, Transpiration of plants Proceeded the atmosphere humidity which affects the rainfall, cooks the atmosphere, and thus regulate the hydrological cycle.

Reduction of global warning is The main green house gas (o), is used by forests for photosynthesis process. The forests and as sink for co. thereby reducing the green house effect due to Co.

3 Produktion of oxygen: poring photosynthuis, forest trees release oxygen, a very important gas for human survival.

1 Conservation of soil? They prevent soil crossion by Linding the soil particles

(3) Control of lower flow: They are as giant sponge as they show down run off, absorbing and holding water that inchenges springs, streams and ground water.

6 Habitat to wildlife. They provide the habitat for high wild life species.

Absorption of air pollutants: They absorb many toxic gases and air pollutants and can help in Keeping air pure. They are also known as cerbon dioxide sink.

9. 0 mention few regative impacts of mining on environment.

=> Three positive impacts?

D Building materials: Sand, grovel, stone, coment, stellel, aluminium, asphalt, glass.

Plumbing and wiring: Iron and steel, copper, grass, lead, coment, asbestos.

3 Applianus & Iron, Copper, many rare metals.

Three nyative impacts &

O subsideence of land: mainly related to the gunderground mining of ten leading to

distriction of property and displanment of local habitants.

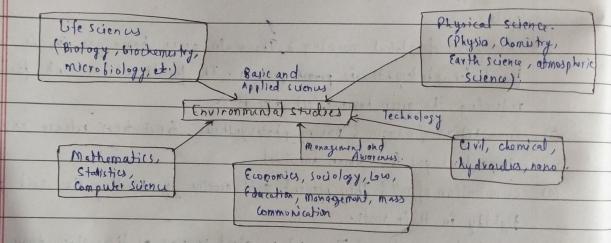
(2) Watershed distorbance? Mining activity distorb the natural hydrological process
and pollule the ground water due to hacking of heavy metals and nite.

(3) Noise pollution? Mining activity involves a lot of heavy machinery related to extention and transportation of mineral area resulting into increase.

Asice level in the mining zones.

Description of environmental studies.

The interdisciplinary nature of environmental studies may be illustrated as ?



study of our environment which include both physical and biological amponent, interaction among its component, effect of thre component on human well being and vice versa.

However, un con't study environment in isolation, environmental studies also had input from various other ducipline of sciences, engineering, social science, law, governance.