ASSIGNMENT Name - Princy soni Subject - Environmental & Ecology
Subject code. ECE - 154
Roll no: 200106052 Unit-1 Ou-1 Define ecosystem. Discuss also the structure and conept Define ecosystem. Uscuss auso no structure and concept of ecosystem.

The ecosystem consists of all the organisms and the physical environment with which they interact These biotic and abiotic components are linked together through nutrient cycles and energy Hows. Ecosystems are controlled by external and internal factors. In general elosystem is an interconnected on a complex external is an interconnected on a complex netroonkat system. 123 miles dian Concept and Ecosystem and Structure
of an ecosystem:

Living organisms cannot live isolated

from their non-living environment because the

latter provides materials and energy for the

survival of the former ie there is interaction

between a bibtic community and its Environment to produce a stable system. Frosystem has two main components. Esperand in Abiotic var mint to stand with its hor 20 a Biotic no strangmen straid wit = MUDER gipm and other 4) Abiatic Components:

The non-living factors or the physical environment prevailing in an ecosystem form the abiotic components. They have a strong influence on the structure, distribution, behaviour and inter-subdien ships of organisms.

They are two types

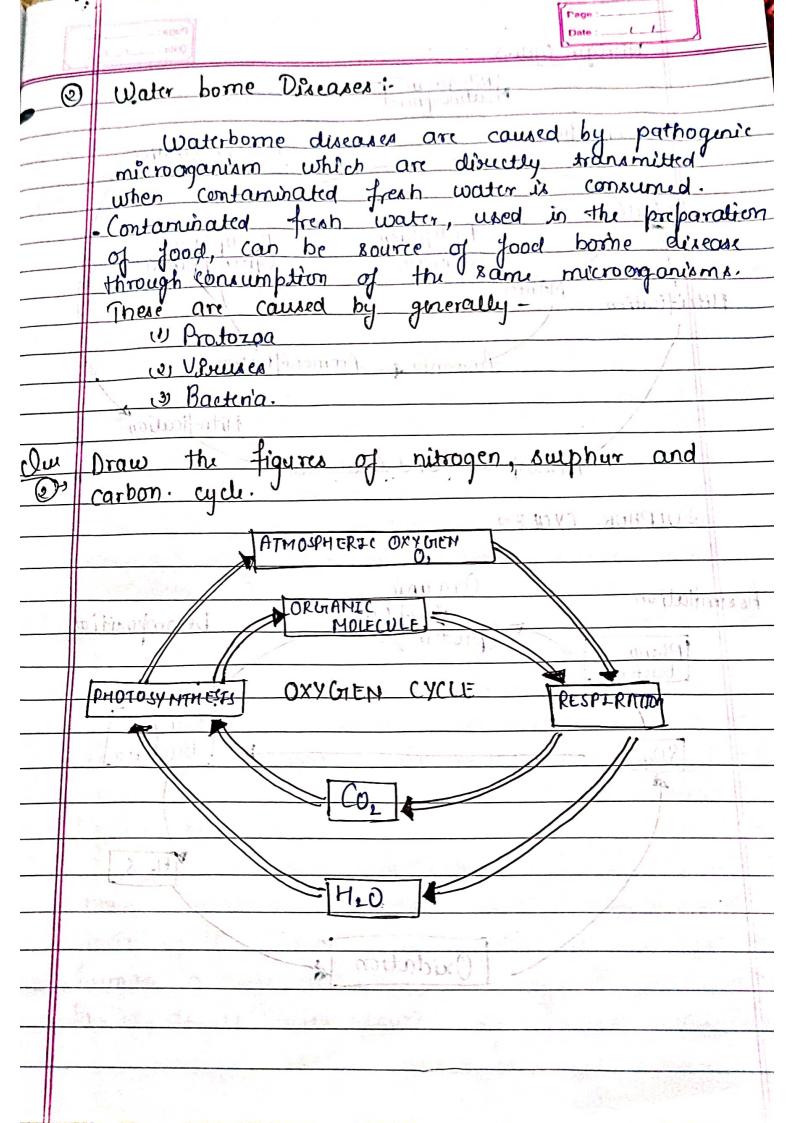
Will Edophic Factors

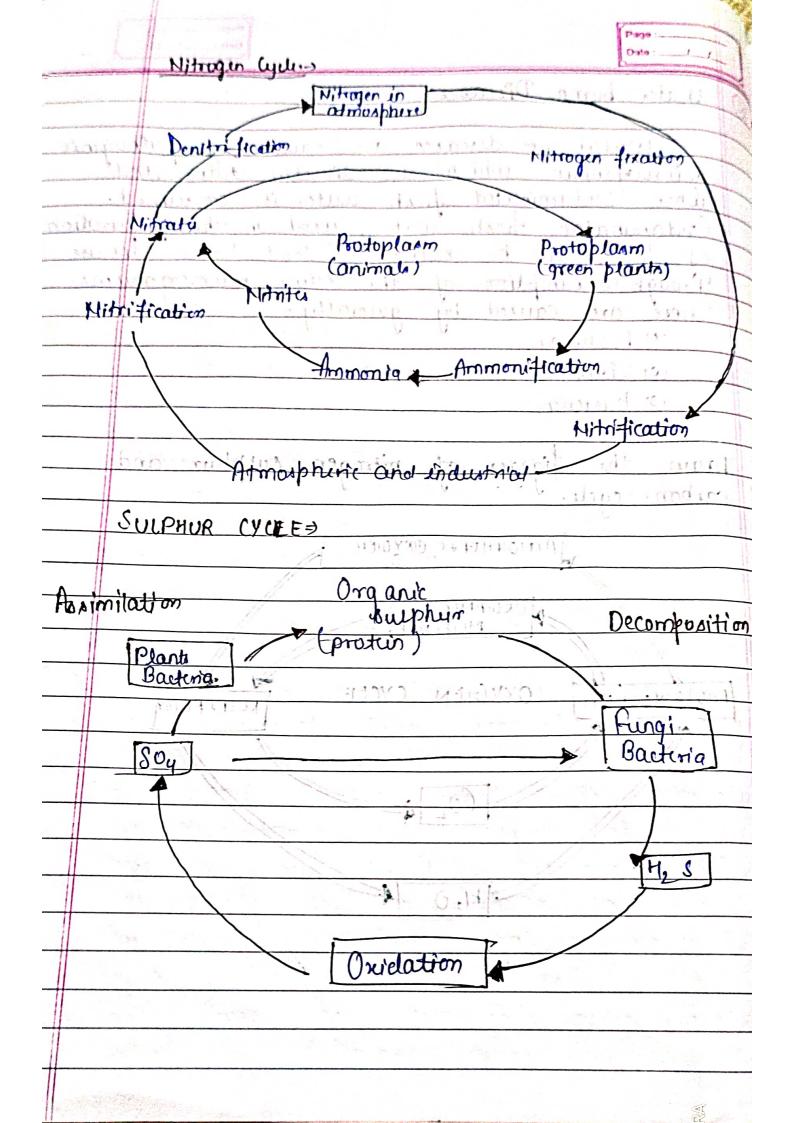
Will Climatic Factors

Linder wind, humidity et are generally
Climatic Factors: ii) Edaphic factors:

Which include soil, PH, topography,
minerals etc. are generally Edaphic

factors. 2) BIOTIC COMPONENCS FORM THE MAN The living organisms including plants animals and micro organisms (Baltina - and Fungi) that are present in an ecosystem form the biotic components. On the basis of their rale in the ecosystem the biotic components can be classified into three main groups -Abroatic companents





UNIT-13 Discuss about the water pollution and noise pollution.
Water pollution. Ow Water pollution is the contamination of water bodies, usually as a result of human activities, in such a manner that negatively affects its legitimate uses water bodies include for example lakes, sivers, oceans, and groudwater and leveryoing. Water pollution results when contaminants are introduced into these water bodies. For example, releasing inadequakly treated waste water into natural water can lead to degradation of these aquatic ecosystems. Water Pollution can be classified as suspan water pollution, or ground water pollution. The causes of water pollution includ a wide stange of chimicals and pathogens as well as physical paremeters. Technology solutions can include emproving sanitation, sewage treatment, industrial wastewater treatmen industrias V Housevery mast of the presenter Moise Pollution: - 1 pd holandrass 110 noise or sound pollution, is the propagation of noise with ranging impacts on the activity of human or animal life, most of them hamful ito a degree. The source of outdoor noise worlds

Page

is mainly caused by machines, transport and propagation systems foor urban planning may give rise to noise dis integration ord pallution, with by side industrial and resident buildings can lusted in noise pollution.

High noise levels can contribute to cardiovalcular effects in humans and an increased incidence of cosmany array disease. Three main cause of noise pollution are in fair traffic noise in Canatruction sites.

Marie is more than a mesu nuisanu. At certain levels and durations of exposure, it can cause physical damage to the eardown and the sensitive hair cells of the inner ear.

Aus Undoubtedly, generators have become in dispensely in the present times. Grenerators are applicable abnost everywhere from homes, offices to

in the present times. Grenerators are applicant abnost everywhere from homes, offices to industries. However, most of the generators are accompanied by a noise that is producted by a noise that is producted by the can be destimined for the funan ear and lead

to several problems. That is why the Central Pollution Contrad Board ((ACB) has

laid down the permissible noise level is

India for different regions / areas.

Permissible Be in level steendar
(dB) at night (dB)
55
40

According to CPCB quidelines, the maximum permissible diesel generator noise level for new generators with up to 1000 kvA seaked capacity is 75 dB (A). Noise level refers to the decibel levels of noise that is produced by any appliance or machine. In general human ear can tolerate noise levels up to 05 dB and anything beyond that can affect their productivity as well as their quality of life. The decibel levels of common sounds between 100-125 dB are termed as uncomfortable."