

# PNS School of Engineering & Technology

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Internal Assessment Examination-2022(3<sup>rd</sup> semester)  
Subject: - Th5- Environmental studies(Th-5)  
Branch:-civil & mechanical engineering

## 1(a) Define Environment

Ans :-(i) Anything that surround us is called environment .

(ii) The word environment comes from work environ which means to be around.

(iii) Environment comprises us both biotic and biotic component.

## (b) Write importance of Environment studies.

Ans: - (i) All environment study has a direct relation to the quality of light that we live.

(ii) Environment study relation to our surrounding which we absorbed daily but never think Seriously.

## (c) Define Ecosystem.

Ans: - (i) The term ecosystem is defined as interaction of all the living and non- living factor at any Particular environment.

(ii) There is well defined relationship among the living s non- living organism.

## (d) Define food chain & food wed.

Ans: - (i) Small herbivore consume vegetable matter s convert it to animal matter which in term eaten by large carnivores this sequence of eaten being produces transfer of food chain.

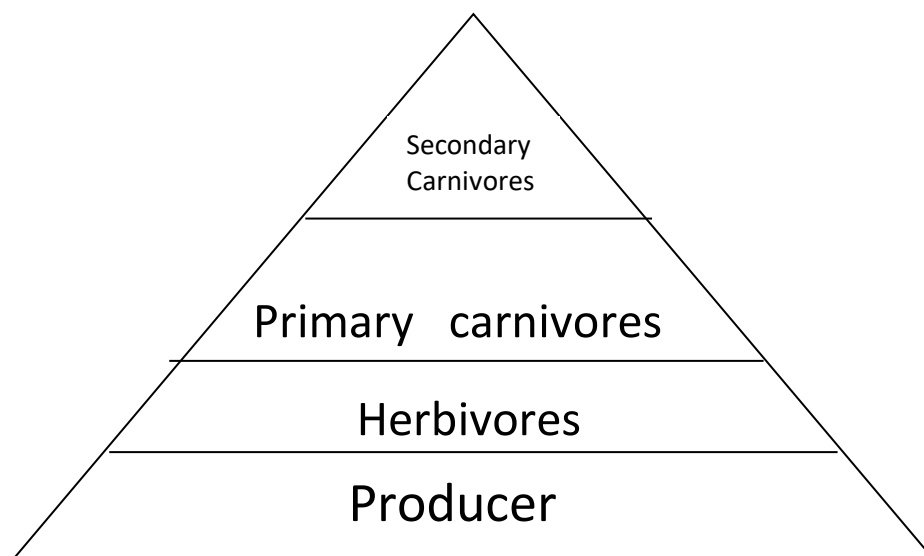
(ii) In an ecosystem various food chain are interconnected with each other to from a network is called food web.

## (e) Define about aquatic ecosystem.

Ans: - (i) The aquatic system include pond, lake , river. Which are self sufficient and self regulation natural ecosystem.

(ii) They consist of a biotic component like origin, water mineral , co2 and solar energy .

## (f) Draw Ecological pyramid.



**2 (a) Write scope of environmental studies .**

- Ans:- (i) The scope and objective of environment studies is to cultivate our public to be aware & Concerned about the to the environment and it's problem to get awareness about total environment and it's problem.
- (ii) To motivate people in active involve in environment at protection developing skill to Identify and solve environment related.
- (iii) Ability to evaluate environment programme in term of ecological economics & social Factor
- (iv)To help the public to know the real cause of environmental problem and providing Opportunity to solve the problem.
- (v)Environmental study is a continues process that everyone is responsible for an Environment

**(b)With neat sketch explain aquatic ecosystem.**

Ans:-(i)The aquatic system include pond, lake, river which are self sufficient and self regulating Natural ecosystem.

(ii)They consist of a biotic component like oxygen, water, mineral,  $CO_2$  & solar energy.

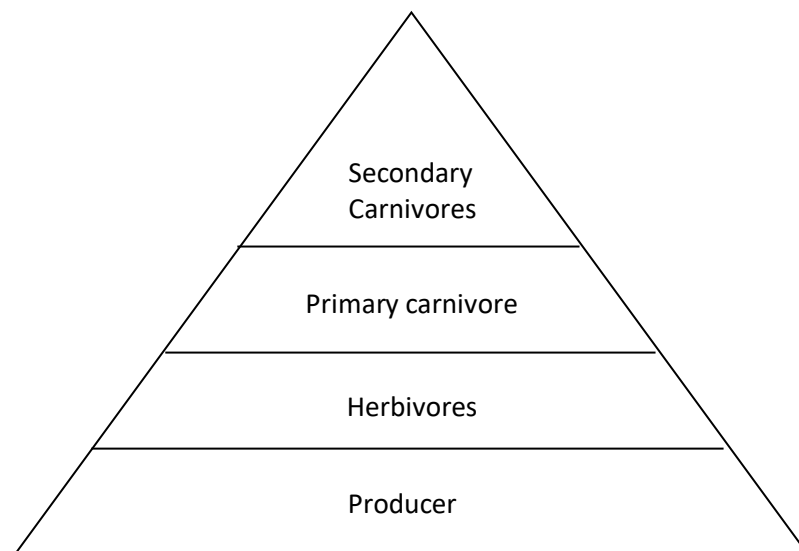
(iii) Biotic component present in ecosystem are producer, consumer & decomposer.

(iv)small fishes and other aquatic animal feeding on the producer are called primary consumer.

(v)These herbivores aquatic animal become the food, fishes, snake etc are the secondary Consumer

(vi)Frog, fishes, snake etc are the secondary consumer.

(vi)The secondary consumer become the food of tertiary consumer .



**(c) Write short note about land resources.**

Ans:- (i) Land is the solid portion of the earth which is not covered by oceans .

(ii) we respect land as much giving respect to god and mother

(iii) Land is called as bhoomi devi. Hence we should utilize the land in careful and meaning

full way

(iv) land area covering the earth about 30% that utilize by human.

(v) Due to population explosion the availability of land is decreasing day by day i.e. two 2% annually.

(vi) with only 2.3% of land area, our country 17% of the earth human population.

(vi) The availability of land in India is only 0.3% hector. Which is also decreasing day by day.

