

the activity of animals:

BIOTIC FACTORS — The living element of the environment are referred to as biotic factors. The different animals in different states of relationship with different species. This is called interspecific relationship.

When there is relationship between the members of the same species, it is called intraspecific relationship. The relationship can be beneficial or harmful. The re

relationship can be studied as follows

(i) ANTIBIOSIS — This term means production of chemical poisons, antibiotic, allopathic agent. These inhibit growth or destroy other species as reported by Abbot and Ballentine (1957). Gymnodium (radio-flagellate) produces some Antigonistic compounds, which causes the whole cell mortality of the fishes by depleting its osmotic system etc.

(ii) PARASITISM — Parasitism is an association between two individuals of different species, in one (parasite) gets the benefit at the expense of the other (the host). In parasitism a weak takes advantages from stronger one.

(iii) PREDATION — It means eating one species by other. According Clapham (1973) predation is an important factor in population dynamics. In predation stronger attacks <sup>on</sup> the weaker. For example — The tiger attacks on the deer.

COMPETITION — It is an interaction

in which the individuals of species compete for a limited amount of food, water, shelter, or other resources of an ecosystem. It is active between the members of same species.

SYMBIOSIS — It is an interrelationship between two or more dissimilar organisms, in which either one or both the organisms are benefitted. This relationship may be for the purpose of procuring food, shelter etc.

COMMENSALISM — It is an association between the two or more different organisms in which one is always benefitted and other are neither benefitted nor harmed. According to Pearse (1930), commensalism means eating at the same table.

MUTUALISM — It is an interaction between two or more individuals of different species in which all are benefitted by one other. The term was first coined De-bary (1877).