

Mittal Institute of Education

(Approved by NCTE, New Delhi & Affiliated to BU, Bhopal M.P.) Opposite Bhopal Memorial Hospital & Research Center Nabi Bagh, Bpl - 38 <u>Ph. 0755-298003</u> <u>E-mail: miebpl2009@gmail.com</u>

Session 2022-2023



WORKSHOP ON ARTIFICIAL ECOSYSTEM VENUE – MITTAL INSTITUTE OF EDUCATION, <u>BHOPAL</u>

DATED -8th MAY 2023

TIME – COLLEGE HOURS (ONE DAY)

ARTIFICIAL ECOSYSTEM

An ecosystem can be visualised as a functional unit of nature, where living organisms interact among themselves and also with the surrounding physical environment. Ecosystem varies greatly in size from a small pond to a large forest or a sea. Many ecologists regard the entire biosphere as a global ecosystem, as a composite of all local ecosystems on Earth. Since this system is too much big and complex to be studied at one time, it is convenient to divide it into two basic categories, namely the terrestrial and the aquatic. Forest, grassland and desert are some examples of terrestrial ecosystems. Crop fields and an aquarium may also be considered as man-made ecosystems.

An aquarium is a glass container which displays the aquatic organisms in a simulated natural environment by introducing aquatic plants, rocks, gravels, artificial decorative etc. Maintenance of physico-chemical and biological parameters of water inside the aquaria is of utmost importance. Different types of equipments are required for controlling aeration, water movement, temperature, suspended organic matter, illumination etc inside the aquaria. Utmost care should be taken while feeding aquarium fishes. Over feeding is always harmful to fishes. In effect, an aquarium is a biological entity. Each of its elements – water, glass, light, sand, gravel, plants, fish, make a harmonious whole, with the same ecological balance as exists in nature.

Dr. Neelu Quaiyumihead of life sciences department demonstrated to the students the method of removing fish with a net from the aquarium and then draining the aquarium. She proceeded to train the students on how to clean the aquarium with simple water, without using detergents, which are harmful for the fish. He then showed how to decorate the aquarium with pebbles, natural as well as artificial plants, and a background and In Which 20 Students was Present.

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Mittal	Institute of Education, Bhopal
	Department of Science

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