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Course; Bio 102.

College; MHS.

Dept; Mbbs.

Assignment.

1. A system of plant taxonomy, Eichler system was first phylogenic or evolutionary system. He gave a system of classification of the whole plant kingdom. Eichler classified plant kingdom into two sub kingdom .they are known as cryptogamae and phanerogamae.

The cryptogamae are seedless and flowerless plant. They are like algae, mosses who neither produce fruits, flower or seed. They are known as lower plants. The phanerogamae are seed producing plants also known as spermatophyte. They are known as higher plants e.g. angiosperm and gymnosperm.

1. The importance of algae to man.
2. For ornamental purpose.
3. As direct use of food for man.
4. To manufacture iodine.
5. Used as fertilizer.
6. Used for minerals and medicine.
7. Used to manufacture soap.
8. Used in production of ice cream.
9. The unicellular form of algae is also called acellular algae and they function as complete living organism. Unicellular forms are common in all groups of algae except charopyceae, phyaeophyceae and rhydophyceae.
10. Cell division or fusion is the simplest method of reproduction in unicellular forms often called binary fission . In this process two vegetative cells divide mitotically into two different daughter cells. Their reproduction is asexual.
11. Difference between volvox and synaru.

In volvox reproduction is both sexual and asexual while synaru is sexual.

In volvox a lot of spherical colonies are up to 50000 while syranu has few cells in colonies.

1. Spirogyra is a filamentous charophyte with green algae of order of zygementales named for the spiral arrangement of their chloroplast. It is commonly found in fresh water , they are more than 400 species of spirogyra in the world.