

# Origin and evolution of life Points to Remember

- ❖ Lamarck proposed that the acquired characters are passed on to the offspring in the next generation
- ❖ Internal vital force, environment and new needs, use and disuse theory and inheritance of acquired characters are the main principles of Lamarckism.
- ❖ Overproduction, struggle for existence, variations, survival of the fittest or Natural selection and origin of species are the main postulates of Darwinism.
- ❖ Each species tends to produce large number of offspring's, but only the fittest can survive.
- ❖ Homologous, analogous organs and embryological evidences explain evolutionary relationships.
- ❖ Some traits in organisms would be similar because they are inherited from a common ancestor.
- ❖ Fossils are evidences of ancient life forms or ancient habitats which have been preserved by natural processes.
- ❖ Ethno botanical importances of various types of plants are know through traditional knowledge.
- ❖ Astrobiology/exobiology is the science which looks for the presence of extra terrestrial life in the universe