

DEPARTMENT OF BOTANY

PROGRAMME SPECIFIC OUTCOMES

Botany is the study of plants and in a vast subject which has no starting and no ending. This subject will let the students know all about the types of plants present on the earth, their life-cycle, their behaviors and how much they are useful. The basic needs of human bearing that is food, shelter and clothing comes out of plants.

Students will be aware about the economic value of each plant. Genetic engineering will let you know how to improve the quality and quantity of edible plants and plant parts. Preparation of medicines from different parts of the plants and its uses in another aspect.

How plants are used for the preparation of a lot of commercially important materials such as papers, gums, dyes, silk etc. can also be studied. Commercially grown cloves, black peppers, white pepper etc. are a source of income.

Pupils will know about Ecotourism which in a major aspect now to increase our GDP at a rate of 10.42% preservation of forest and wild life creates a better environment as the students of Botany knows the value of a plant. Students will be aware of the hazards created by environmental pollution and will aware the common people about social forestry. Students can know about carbon trading there by giving their contribution to the development of the county.

Horticulture, Agriculture and sericulture are the three most important part of plant science which students can know. They can increase the quality and quantity of crops, flowers, fruits etc. in order to fulfill the need of the growing population.

Bacteriology and virology will explain the benefits and harmful effects of bacteria and virus, so that they can protect themselves from undesired diseases. Most of the pathogens are either bacteria or virus or fungal plants which causes a number of diseases both in plants and animals including human beings. The students of botany can know the cause and can protect themselves.

Environmental pollution is now a global issue which is done only due to the declining ratio of the natural forests. Botany students can know how to protect the environment by protecting the jungles and they can make others aware too. As we all know nature has enough for human's need but nothing for human's greed that should everyone knows.

Botanical garden, reserve forests, wildlife sanctuaries, zoo, ecotourism centers, national parks etc. are the most popularized places which not only increase GDP but also create an excellent environment for recreation. Agricultural farms are developed to preserve the original varieties of different cereals which is only know by the botany students how much important it is.

The internal structure of the plant or plant parts not only let the students know about the life forms but also teaches the origin of various commercially important products. Valuable trees like Timber, Sisso etc increase the local economy.

The students of botany can know the morphological structure of all the plants which are indeed the best creation of the world. Plants and animals give us all the colors we have in our life. The plant behavior, its response to various stimuli, its food pattern (as many plants are non-vegetarian) and its cytological organization can be well known. Preparation of food, synthesis of various organic matters, plant modification for storage of food, anchorage etc. can also be known from the study of this royal subject.