

## Learning Outcome of the Department of Botany

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The Department of Botany gives a sincere effort for the overall development of each and individual student according to their learning capacity in a healthy and friendly atmosphere. After successful completion of B.Sc. (Honours) in Botany under the 1+1+1 or CBCS Curriculum of the University of Calcutta, the departmental expectations regarding learning outcomes are as follows-

Botany is a broad field of study that includes studying plants in their natural habitats to assess behaviors, living conditions and interactions with other organisms. Plants are necessary to medical research and also as medicine for us. As plants are the main source of food for all the living organisms study of economically important plant is one of the main reason for studying Botany. Monitoring plants health, plant diseases and their prevention is another criterion to study this subject. High yielding plants with disease resistant varieties are need of the time to ensure a safe food supply and keep consumer prices stable. Botanists observe and sometimes conduct experiments on plants, either in the field or in a laboratory for development of new varieties. The Department expects the students of this department be aware of the development of the subject.

The Department expects the gradual cognitive development of a student by giving them opportunity to use different high end instruments, practical works and field study.

The Department expects a student should develop independent thinking ability to conduct appropriate research experiments, compile raw data, recognize assumptions, limitations and sources of errors in the experiment, draw conclusions and publish the result in appropriate journals. Rationalization of the information obtained from library, online and literature resources to solve problems and ability to prepare logical and concise written reports, oral and poster presentations.

The exposure of the students helps them to enroll themselves in higher studies or join in organizations as a work force in diverse fields such as research, teaching, R&D, etc.