

Course Title: Cytogenetics, Plant Breeding & Nanotechnology

Course Code: B040601T

Course outcomes

After the completion of the course the students will be able:

- Acquire knowledge on cell ultrastructure.
- Understand the structure and chemical composition of chromatin and concept of cell division.
- Interpret the Mendel's principles, acquire knowledge on cytoplasmic inheritance and sex-linked inheritance.
- Understand the concept of 'one gene one enzyme hypothesis' along with the molecular mechanism of mutation

Course Title: Ecology & Environment

Course Code: B040602T

Course outcomes

After the completion of the course the students will be able:

- Acquaint the students with complex interrelationship between organisms and environment;
- Make them understand methods for studying vegetation, community patterns and processes, ecosystem functions, and principles of phytogeography.
- This knowledge is critical in evolving strategies for sustainable natural resource management and biodiversity conservation.

Course Title: Lab on Cytogenetics, Conservation & Environment management

Course Code: B040603P

Course outcomes

After the completion of the course the students will be able:

- To perform all experiments related to the semester-i.e. Plant tissue cultured plants, conducting breeding on field, conserving and depolluting the environment.
- Can be employed in environment impact assessment companies & start his own venture