

**Bios 0432: Introduction to Plant tissue culture and Genetically Modified Plants
(Science only) -90 #**

1. Introduction to Plant Biotechnology and its importance - Brief introduction to plant cell structure and functions of organelles.
2. Introduction to plant tissue culture, Lab equipments and their working -Various sterilization and preparation techniques, used in plant tissue culture.
3. Introduction to genetically modified plants – Need for genetically modified plants – methods – Controversies - Present status of GMPs with special emphasis on India
4. Introduction to secondary metabolites and industrial products