

1.3.1.
Crops Cutting Issues catering
needs of local, etc.

DEPARTMENT OF BOTANY

INTEGRATION OF CROSSCUTTING ISSUES	SEMESTER	MODULE	TOPIC	IMPORTANCE
Human values & Professional Ethics	I	PAPER- I (DSE)	Bacteria	Bacterial Plant Diseases Ex: Citrus canker
	I	PAPER- I (DSE)	Viruses	Viral Plant Diseases Ex: Tobacco mosaic virus
	V	PAPER- VI (DSE)	Structure & Function of Ecosystem	Humans disturbs the Ecosystem balance, which effects the surrounding environment and organisms . Ex: Food chain , Food web
	VI	PAPER- VIII (DSE)	r- DNA Technology	DNA Finger Printing
	VI	PAPER- VIII (DSE)	Genetically Modified Plants & Crops	Loosing the local varieties & getting New varieties Ex: Bt-Cotton, Golden Rice
	V	PAPER- V (DSE)	Genetics	Sex Determination, Human related Disease awareness among students related to chromosomal aberrations Ex: Anemia , colour Blindness
	V	PAPER- V (DSE)	Genetics	Erythroblastosis fetalis- The disorder usually results from incompatibility between maternal and fetal blood groups
GENDER SENSITIZATION	V	PAPER- V (DSE)	Cell biology - Chromosomes	Sex Determination, Autosomal Diseases - Thalassaemia is an autosomal chromosome disorder Allosomes – Male (XY – Chromosomes), Female (XX – Chromosomes)
Environmental and Sustainability	I	PAPER- I (DSE)	Biofertilizers	Increases the fertility of the soil
	I	PAPER- I (DSE)	Lichanes	Pollution Indicators

	V	PAPER- VI (DSE)	Biodeiversity & Consevation	<p>Intrinsic value of biodiversity(independent of potential usefulness of biodiversity for human beings).</p> <p>The Fundamental Requirements of in-situ conservation of Ecosystems & Natural Habitats.</p> <p>The supporting Role of ex-situ measure</p> <p>The vital role of Local communities of woman in the conservation & sustainable useful of Biological Diversity</p> <p>The desirability of Sharing equitable with benefits arising from the use of traditional knowledge, skills, innovations & Practices .</p> <p>The important of the need is use to promote regionate global co-operation for conservation</p>
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