

DEPARTMENT OF BOTANY & HORTICULTURE

HORTICULTURE

ANNUAL CURRICULAR PLAN – 2020-2021

YEAR: 2020-2021

PAPER: I

SEM: I

NAME OF THE LECTURER: A REKHA SRIVALLI

Month & Week	Hours available	Syllabus Topic	Additional Inputs / Value Additions	Curricular Activity				Co-Curricular Activity			
				Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date
February	8	Unit I : Horticulture Introduction 1. Horticulture – Def., Importance 2. Economy, Employment 3. Scope 4. Divisions	Pictures Diagrams Charts	Teaching	8	Conducted		Quiz		Conducted	
March	12	Unit II : Classification, Nutrition 1. Soil & climate req. 2. Nutritive value 3. Export & import Unit III : Environmental factors 1. Soil – Phy. & chem. Properties 2. Light, Temp., RH, Rainfall	Diagrams Pictures	Teaching	10	Conducted		Seminars		Conducted	
April	16	3. Microclimate, Pollution	Diagrams Pictures	Teaching	16	Conducted		Assignments		Conducted	

		<p>4. Biotic & Abiotic stress</p> <p>Unit IV : Soil Medium</p> <p>1. Soil weathering & formation</p> <p>2. Soil – taxonomy, physical prop.</p> <p>3. Soil – colloids, charges, ion adsorption, exchange</p>								
May	14	<p>4. Soil – pH , acidity, alkalinity, salinity</p> <p>Unit V : Mineral nutrients of plants</p> <p>1. Soil organic matter</p> <p>2. Soil microbes, soil faunal ecology</p> <p>3. INM, Soil tests</p>	Diagrams Pictures	Teaching	12	Conducted		Seminars		Conducted

ANNUAL CURRICULAR PLAN

YEAR: **2020-2021**

PAPER: **SDC(PL.N)**

SEM: **I**

NAME OF THE LECTURER: **A REKHA SRIVALLI**

Month & Week	Hours available	Syllabus Topic	Additional Inputs / Value Additions	Curricular Activity	Co-Curricular Activity
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				Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date
February	4	Unit I : Introduction to plant nursery 1. Plant Nursery – Def., Importance 2. Nursery types	Pictures Charts	Teaching	4	Conducted		Notes preparation		Conducted	
March	8	3. Layout & components 4. Propagation structures 5. BIS Unit II : Necessities for Nursery 1. Nursery beds 2. Media, tools, containers 3. Propagation methods	Diagrams Pictures	Teaching	6	Conducted		Assignments		Conducted	
April	8	4. Propagation techniques 5. Sowing methods & Planting material Unit III : Nursery management 1. Seasonal & routine operations 2. Nursery management	Diagrams Pictures	Teaching	7	Conducted		Quiz		Conducted	
May	6	3. Possible errors 4. Nursery development & maintenance 5. Outline nursery info. & sales systems	Diagrams Pictures	Teaching	6	Conducted		Slip tests		Conducted	

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ANNUAL CURRICULAR PLAN

YEAR: 2020-2021

PAPER: II

SEM: II

NAME OF THE LECTURER: A REKHA SRIVALLI

Month & Week	Hours available	Syllabus Topic	Additional Inputs / Value Additions	Curricular Activity				Co-Curricular Activity			
				Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date
September	8	Unit I : Basics of propagation 1. Plant propagation – principles 2. Commercial nursery 3. Ecological & economic factors	Pictures Charts	Teaching	7	Conducted		Seminars		Conducted	
October	14	Unit II : Seed propagation 1. Importance 2. Seed germination 3. Affecting Factor 4. Pre – germination treatments Unit III : Vegetative propagation 1. Importance 2. Structures, containers, media 3. Orchid propagation	Diagrams Pictures	Teaching	12	Conducted		Assignments		Conducted	
November	16	Unit IV : Vegetative propagation	Diagrams	Teaching	15	Conducted		Quiz		Conducted	

		techniques 1. Cuttings 2. Layerings 3. Graftings 4. Buddings Unit V : Nursery management 1. Nursery – def., site, layout 2. Nursery beds 3. Potting, re-potting 4. Accreditation, certification	Pictures								
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