

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2019 - 2020

ANNUAL CURRICULAR					PLAN (Year) 2019-20								
NAME OF THE LECTURER: G. Sushma					CLASS: PCBZ				Semester: II				Diversity of Archaeogonates & Paper: Plant Anatomy
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
November	4th	5	Syllabus Introduction, General characters of Bryophytes & Classification	-	-	-	-	-	-	-	-	-	-
	5th	4	Structure, Reproduction & life history of Marchantia & Funaria	planning to show them marchantia & Funaria	will show them Marchantia & Funaria in	1	Yes	-	-	-	-	-	-
December	1st	5	Evolution of Sporophyte in Bryophytes, General characters & Classification of pteridophytes	-	light micro scope	-	-	-	-	make them to prepare models	1	Yes	-
	2nd	5	Structure, Reproduction & life history of Lycopodium & Marsilea	Lycopodium Marsilea pictures	-	-	-	-	-	-	-	-	-
	3rd	5	Heterospory & Seed Habit, Stolon evolution in pteridophytes I - mid Exams	-	-	-	-	-	-	-	-	-	-
	4th	3	General characters of Gymnosperms	-	-	-	-	-	-	class room Seminars	1	Yes	-
	5th	2	Heterospory & Seed Habit, Stolon evolution in pteridophytes	-	will show diff types of stelis in plants	1	Yes	-	-	-	-	-	-
January	1st	4	Morphology, Anatomy, Reproduction & life history of Pinus	pinus structure	-	-	-	-	-	-	-	-	-
	2nd	5	life history of Gnetum, Economic importance of Gymnosperms.	-	-	-	-	-	-	Quiz	1	Yes	-

Signature of the Lecturer
G. Sushma

Signature of the HOD
S. Sushma

Signature of the Principal
S. Sushma

ANNUAL CURRICULAR

PLAN (Year) 2019-

Diversity of
Paper : Dicobignates

NAMR OF THE LECTURER *G. Sushrta*

CLASS : *ICB2A B2B* Semester : *II*

MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
	3rd		Pongal holidays	—	—	—	—	—	—	—	—	—	—
	4th	5	Root apical Meristem, Shoot apical Meristem & Meristematic tissues	Show to them meristems.	—	1	—	—	Class room seminar	1	Yes	—	—
	5th	5	Permanent tissues - Simple tissues	different types of tissue	Microscopic pictures will be shown	01	Yes	—	—	—	—	—	—
February	1st	1	Complex Tissues - Xylem	xylem functions tissue structure	—	—	—	—	—	—	—	—	—
	2nd	5	phloem, Secretory Tissues II - mid Exams	—	—	—	—	—	Group discussion	1	Yes	—	—
	3rd	5	Epidermal tissue system Ground tissue system	purpose of ground tissue existence	—	—	—	—	—	—	—	—	—
	4th	4	Vascular tissue system Anomalous secondary growth in Achyroanthus stem.	Role of Secondary growth in wood	—	—	—	—	class room seminar	1	Yes	—	—
	5th	5	Secondary growth in Bauhinia & Dioscorea Teak & Rosewood	formation in plants/trees.	planned to show them Secondary growth in Diacaena and Bauhinia	01	Yes	—	—	—	—	—	—
March	1st	4	Revision classes	—	—	—	—	—	—	—	—	—	—

Signature of the Lecturer

G. Sushrta

Signature of the HOD

e. Anuradha

Signature of the Principal

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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER <u>K. Sravika Lakshmi</u>					CLASS : <u>II CBZ</u>			Semester : <u>IV</u>		Paper : <u>Plant Physiology & Metabolism</u>			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
Nov	2	1	Syllabus & Introduction	—	—	—	—	—	—	—	—	—	—
	3	5	Physical properties of & Importance of water, Osmosis, Diffusion, Imbibition	—	—	—	—	—	—	—	—	—	—
	4	5	Water potential Absorption & Transport of water Ascent of sap.	—	—	—	—	—	—	—	—	—	—
	5	5	Transpiration, Nitrogen metabolism.	—	class Test	↓	✓	—	—	—	—	—	—
Dec.	1	5	Enzymes, Auxins, Gibberellins.	you tube videos	—	—	—	—	—	—	—	—	—
	2	5	ABA, ethylene, cytokinins Brassinosteroids	—	Seminar	1hr	yes	—	—	—	—	—	—
	3	1	Mid Sem I. Photosynthesis Introductu	—	—	—	—	—	Seminar	1hr	yes	—	—
	4	1	Christmas holidays Light Reactions	—	—	—	—	—	—	—	—	—	—
	5	2	C ₃ cycle C ₄ cycle	—	—	—	—	—	—	—	—	—	—

K. Sravika Lakshmi
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S. Chandra
Signature of the HOB

S. Chandra
Signature of the Principal

ANNUAL CURRICULAR

PLAN (Year)

Plant physiology & metabolism
Paper :

CLASS : II CBZ

Semester : IV

NAMR OF THE LECTURER

CURRICULAR ACTIVITY

CO-CURRICULAR ACTIVITY

MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY			
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date
Jan ⁹	01	3	CAM, Photorespiration, Translocation of organic solutes	—	—	—	—	—	—	—	—	—
	2	4	Glycolysis, Anaerobic respiration, TCA, ETS.	—	—	—	—	—	—	—	—	—
	3	—	Pongal Holidays	—	—	—	—	—	—	—	—	—
	4	5	oxidative phosphorylation, lipid metabolism, Growth & development, Phytochrome, photoperiodism	—	1hr	yes	—	—	—	—	—	—
	5	4	Vernalization, Protein synthesis.	—	—	—	—	—	—	—	—	—
Feb	1	1	Mineral Nutrition	—	—	—	—	—	—	—	—	—
	2		Mid sem II.	—	—	—	—	—	1hr	yes	—	—
				—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—

K. Ravike Calu
Signature of the Lecturer

Signature of the HOD
S. Anuradha

Signature of the Principal
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ANNUAL CURRICULAR					PLAN (Year)							
NAMR OF THE LECTURER K. Sravika Lakshmi					CLASS : III CBZ				Semester : VI			
					CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date
NOV	4	—	Skill development programme.		—	—	—	—	—	—	—	—
	5	3	syllabus Introduction types of Biodiversity		—	—	—	—	quiz	1hr	yes	—
DEC	1	3	Methods for valuation Agrobiodiversity cultivated & wild plant taxa	will show charts	—	—	—	—	—	—	—	—
	2	4	Loss of biodiversity social approaches to conservation UNESCO, NBPGR.		video preparation	1hr	yes	—	—	—	—	—
	3	2	UNEP, UNESCO Mid EXAM I IUCN		—	—	—	—	Mid Exam I	—	—	—
	4	2	Christmas Holidays Biodiversity Legislation & Conservation, WWF		—	—	—	—	Seminar	1hr	yes	—
	5	2	Conservation of Biodiversity		—	—	—	—	—	—	—	—
Jan	1	3	uses of plants, values of Biodiversity, Biodiversity Information & management		—	—	—	—	—	—	—	—
	2	4	Solid & liquid waste management, In situ & ex situ conservation, sustainable deupt GIS.		—	—	—	—	—	—	—	—

K. Sravika Lakshmi
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Signature of the HOD
S. Chundrabha

Signature of the Principal

ANNUAL CURRICULAR

PLAN (Year)

Cluster A: Plant diversity & human welfare
Paper: Human welfare

NAMR OF THE LECTURER

K. Sravika Lakshmi

CLASS : III BSc CBZ

Semester : VI

MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
Dec	3		Pongal holidays										
	4	4	EIA, participatory Resource Appraisal, Ecological Foot print Resource accounting			will show charts	1hr	yes					
	5		Avenue trees, ornamental plants, Alcoholic beverages, Fruits & Nuts, Importance of Forestry	you take videos.									
Feb	1		Wood, Fiber & its uses. Utilization of Commercial importance of forests.										
	2		Mid Exam II.										

K. Sravika Lakshmi
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S. Chinnappa

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ANNUAL CURRICULAR

PLAN (Year)

NAMR OF THE LECTURER :- G. Sushma

CLASS : BICB 2 (Cluster-II) Semester : VI

Ethno Botany &
Paper : Medicinal Botany

MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
November	4th		Skill development classes	—	—	—	—	—	—	—	—	—	—
	5th	4	Syllabus, Introduction, Concept, Scope & Objectives, Inter disciplinary Science	—	—	—	—	—	—	—	—	—	—
December	1st	4	Relevance of Ethnobotany in Present context, Major & Minor ethnic groups of India & their life styles	—	—	—	—	—	—	—	—	—	—
	2nd	4	Food plants, Intoxicants & Beverages, Resins, Oils & Miscellaneous uses.	—	1hr	yes	—	—	—	—	—	—	—
	3rd	4	Role of Ethnobotany in Modern medicine I - <i>Andropogon squarrosus</i> , <i>Sesuvium portulacastrum</i> , <i>Trichopus zeylanicus</i> .	—	—	—	—	—	seminar	1hr	yes	—	—
	4th	3	<i>Asplenium annua</i> , <i>Withania Somnifera</i> , Medico-ethnobotanical sources of India.	—	—	—	—	—	—	—	—	—	—
	5th	2	Role of Ethno Botany in Modern Medicine with example - <i>Rauwolfia serpentina</i> , <i>Trichopus zeylanicus</i> .	—	1hr	yes	—	—	—	—	—	—	—
January	1st	4	Significance of plants in ethnobotanical practices - <i>Azadirachta indica</i> , <i>Ocimum sanctum</i> , <i>Vitex negundo</i>	—	—	—	—	—	—	—	—	—	—
	2nd	4	<i>Gloriosa superba</i> , <i>Tribulus terrestris</i> , <i>Phyllanthus niruri</i> , <i>Cassia auriculata</i> , <i>Indigofera tinctoria</i> , <i>Senna auriculata</i> .	—	—	—	—	—	—	—	—	—	—

Signature of the Lecturer

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ANNUAL CURRICULAR

PLAN (Year)

NAMR OF THE LECTURER

G. Sushma

CLASS :

III CBZ (Cluster-II)
Semester : *VI*

Paper :

Ethano Botany & Medical Botany

MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
	3rd		Regal Holidays	—	—	—	—	—	—	—	—	—	—
	4th	4	Curcuma longa, Role of ethnic groups in conservation of plant genetic Resources. Sharing of wealth concept	—	—	—	—	—	—	—	—	—	—
	5th	4	Bio piracy, Intellectual property rights & Traditional knowledge	—	—	—	—	—	—	—	—	—	—
February	1st	1	Definition & Scope of Ayurveda History, Origin, Panchabhutas, Saptadhatu, Rasayana, Rasayana & plants used in therapy.	—	1hr	YES	—	—	—	—	—	—	—
	2nd	4	Siddha - Origin, Basis, plants used in Siddha medicine, Triphala Rasayana	—	—	—	—	—	—	Seminars	1hr	YES	—
	3rd	4	Unani - History, Polyherbal concepts & therapy. Definition: Endemic & Endangered medicinal plants. <small>IT will</small>	—	1hr	YES	—	—	—	—	—	—	—
	4th	3	Red list Criteria, In-situ Conservation - Bio-sphere Reserves, Sacred groves & National Parks	—	—	—	—	—	—	—	—	—	—
	5th	4	Ex-situ Conservation - Botanical Gardens	—	—	—	—	—	—	—	—	—	—
March	1st	4	Revision classes.	—	—	—	—	—	—	—	—	—	—

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CURRICULUM LECTURER WISE 2019 - 2020

ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER <i>G. Sushma</i>					CLASS : <i>ITTCB2</i>			Semester : <i>VI (cluster-III)</i>		Paper : <i>Pharmacognosy & Phytochemistry</i>			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
Nov	2	2	Syllabus, Introduction, Definition, Importance & Chemical classification of Drugs.		preparation of charts	1hr	yes						
	3	4	Pharmacological classification & Drug evaluation methods.										
	4	3	Organoleptic & Microscopic studies of <i>Alstonia scholaris</i> , <i>Azadirachta indica</i> , <i>Stemona tuberosa</i> .							quiz	1hr	yes	
	5	3	<i>Rauwolfia serpentina</i> , <i>Zingiber officinale</i> , <i>Catharanthus roseus</i> , Primary & Sec. Metabolites.		collection of pictures	1hr	yes						
Dec	1	1	Acetate Pathway, Mevalonate Pathway										
	2	3	Shikimate Pathway, Terpenes, phenolics, Alkaloids, Terpenoids & Steroids.							seminar	1hr	yes	
	3	4	Glycosides, Anthraquinones, Coumarins, Flavones, Tannins & Phenolic Compounds.										
	4	4	Betacyanins, Stilbenes, lignins & lignans, Steroids, Saponins, Withanolides.		models	1hr	yes						
	5	2	Ecdysones, Cucurbitacins, Alkaloids.										

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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER <i>G. Sushma</i>					CLASS : <i>III BSc</i> Semester : <i>VI</i>				Paper : <i>Pharmacognosy and Phytochemistry</i>				
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
<i>Jan</i>	<i>1</i>	<i>4</i>	<i>Biosynthesis & Bio-activity of Alkaloids, Volatile oils</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
	<i>2</i>	<i>3</i>	<i>Mid exam</i>	<i>-</i>	<i>collection of Dal-a</i>	<i>1hr</i>	<i>yes</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
	<i>3</i>	<i>-</i>	<i>PONGAL HOLIDAYS</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
	<i>4</i>	<i>4</i>	<i>Vaccines, Toxins & Toxoids, Antitoxins & Antiserum, Immunglobulins.</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
	<i>5</i>	<i>3</i>	<i>Vitamins, Antibiotics with chemical nature & Mode of Action.</i>	<i>you tube vedios</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>Seminars</i>	<i>1hr</i>	<i>yes</i>	<i>-</i>	<i>-</i>
<i>Feb</i>	<i>1</i>	<i>2</i>	<i>Tumour inhibitors, PAF antagonists, Anti-oxidants.</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
	<i>2</i>	<i>4</i>	<i>Phyto estrogens, Role of enzyme inhibitors.</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
	<i>3</i>	<i>4</i>	<i>Revision class.</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
	<i>4</i>	<i>4</i>	<i>II mid exams.</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>

Signature of the Lecturer

G. Sushma

Signature of the HOD

S. Anuradha

Signature of the Principal

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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2019 - 2020

ANNUAL CURRICULAR

PLAN (Year)

Pharmacology

NAMR OF THE LECTURER *GT. Sushma*

CLASS : *III B.L* Semester : *V*

Paper :

MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY			
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date
Feb	5	3	Revision	-	-	-	-	-	-	-	-	-
Mar	1	2	Revision	-	-	-	-	-	-	-	-	-
	2	2	Revision	-	-	-	-	-	-	-	-	-
	3	4	Revision	-	-	-	-	-	-	-	-	-

Signature of the Lecturer

T. Vijayadurga

Signature of the HOD

S. Chellachari

Signature of the Principal

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