

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2020- 2021

ANNUAL CURRICULAR					PLAN (Year)				Fundamentals of Microbes & Non-Vascular plants			
NAMR OF THE LECTURER <i>G. Sushma</i>					CLASS : <i>ICBZ-201</i> Semester : <i>I</i>				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	1	5	Introduction, Syllabus, Origin of life, Theory of Spontaneous generation, Biogenesis	-	-	-	-	-	-	-	-	-
	2	5	Whittaker's classification, Archeobacteria, Mycoplasma, Actinomycetes, Cyanobacteria, Viruses - General characters, Replication - TMV	will show the charts	1hr	Yes	-	Seminar	1hr	Yes	-	-
	3	4	Symptoms, Transmission and Control of viral infections, Plant Viruses, Significant of Viruses		1hr	Yes	-	Quiz	1hr	Yes	-	-
	4	5	General characters of Bacteria, Nutrition & Reproduction, Economic Importance	will show Images				Quiz	1hr	Yes	-	-
Mar	1	5	Algae - Thallus organization, Reproduction & Classification, Economic importance.	-	-	-	-	-	-	-	-	-
	2	4	Polysiphonia, Spirogyra, Fungi - General characters & Ainsworth classification.	-	-	-	-	-	-	-	-	-

Signature of the Lecturer
G. Sushma

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S. Sreedha

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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2020- 2021

ANNUAL CURRICULAR					PLAN (Year)				Fundamentals of Microbial				
NAMR OF THE LECTURER <u>G. Sushma</u>					CLASS : <u>ICBZ 2021</u> Semester : <u>I</u>				Paper : <u>Non-vascular plants</u>				
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
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	3	5	Structure, Reproduction & Life history of Rhizopus & Puccinia Economic importance	-	-	-	-	-	-	-	-	-	-
	4	5	Bryophytes, classification Morphology, Anatomy & Rep of Marchantia (Hepatocarpida)	shown charts	1hr	Yes		Quiz	1hr	-	-	-	-
	5	4	Funaria (Bryophyta)		1hr			Seminar	1hr	-	-	-	-
Apr	1	5	Evolution of Sporophyte	shown Images	1hr	Yes		Seminar	1hr	-	-	-	-
	3	4		-	-	-	-	Quiz	1hr	-	-	-	-
	4	5		-	-	-	-			-	-	-	-

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S. Anulekha

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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2020-2021

ANNUAL CURRICULAR					PLAN (Year)				2020-2021 (odd Sem)				
NAME OF THE LECTURER: <u>G. Sushma</u>					CLASS: <u>II CBZ B2 III</u> Semester: <u>III</u>				Paper: <u>Plant Taxonomy & Embryology</u>				
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
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Nov	3	5	Syllabus, Introduction, Fundal Components of Taxonomy	PPT	all	1hr	-	-	-	-	-	-	-
	4	5	Herbarium, Botanical Nomenclature, Principles of ICBN, Principle of Priority	PPT	Quiz	1hr	Yes	-	Debate	1hr	Yes	-	-
Dec	1	5	Author Citations & Valid Publication, Types of Classification, Bentham & Hooker's System	-	-	-	-	-	-	-	-	-	-
	2	5	Engler & Prantl System of Classification, Merits & Demerits, phylogeny	shown charts	Model preparation of Engler & Prantl System	1hr	Yes	-	Seminar	1hr	Yes	-	-
	3	4	Systematic study & Economic importance of Annonaceae, Fabaceae, Rutaceae	-	-	-	-	-	-	-	-	-	-
	4	4	Cucurbitaceae, Apiaceae, Asteraceae, Aclpiadaceae, Lamiaceae	shown images	Quiz	1hr	Yes	-	Quiz	1hr	Yes	-	-

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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2020 - 2021

ANNUAL CURRICULAR					PLAN (Year)				Plant Taxonomy and Embryology			
NAMR OF THE LECTURER					CLASS	Semester			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
Jan	2	5	Euphorbiaceae, Orchidaceae, Poaceae I + mid Exams	PPT	Debate	1hr	Yes	---	Quiz	1hr	Yes	---
	3	2	Anther Introduction - Structure & wall, Microsporogenesis	---	---	---	---	---	---	---	---	---
	4	4	Development of Male gametophyte, Oule structure Types, Megasporogenesis	---	Emphas	---	---	---	---	---	---	---
	5	5	Dev. of Monosporic, Bisporic, Tetrasporic Embryo sacs, Pollination	Shown model of Embryosac & developments	Quiz	1hr	Yes	---	Debate	1hr	Yes	---
Feb	1	4	Fertilization, Endosperm dev. & types	---	---	---	---	---	---	---	---	---
	2	5	Dicot Embryo, Monocot Embryo, Poly Embryony	---	---	---	---	---	---	---	---	---

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S. Anulechra

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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2020- 2021

(2020-21)

cell biology, Genetics of plant breeding, plant nutrition

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: T. Vijaya Deepa					CLASS: III CBZ				Semester: V		Paper: SA plant breeding, plant nutrition		
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
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November	3	4	① definition of cell biology, cell, the unit of life ② cell theory	-	-	-	-	-	-	-	-	-	-
	4	5	-> introduction to prokaryotic cell	-	-	-	-	-	-	-	-	-	-
			-> structure & functions of prokaryotic cell	diagrammatic explanation	taught through charts	1hr	yes	-	Seminar	1hr	Yes	-	-
December	1	4	structure & components of eukaryotic cell	-	-	-	-	-	-	-	-	-	-
	2	4	-> ultra structure & functions of cell wall	-	-	-	-	-	Models preparation	1hr	yes	-	-
			-> ultra structure & functions of cell membrane	video made	taught through videos	1hr	Yes	-	Quiz	1hr	Yes	-	-

Signature of the Lecturer: T. Vijaya Deepa

Signature of the HOD: e. chandrasekhar

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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2020- 2021

ANNUAL CURRICULAR					PLAN (Year)				CO-CURRICULAR ACTIVITY			
NAMR OF THE LECTURER					CLASS :	Semester :			Paper :			
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
Dec	3	4	Chromosomes, morphology, organization of DNA in chromosome	video made explanation	yes	1hr	yes	-	Seminar	1hr	Yes	-
			Euchromatin & hetero chromatin	-	-	-	-	-	-	-	-	-
	4	3	DNA structure (Crick & Watson model)	made 3D	shown made 3D	1hr	yes	-	Debate	1hr	Yes	-
			Replication of DNA	video made explanation	shown animated videos	1hr	yes	-	Quiz	1hr	Yes	-
	5	-	-	-	-	-	-	-	-	-	-	-
January	1	1	Types of RNA [mRNA, r-RNA, t-RNA]	videos	shown you-tube videos	1hr	yes	-	Debate	1hr	Yes	-

Signature of the Lecturer

T. Vijaya Suga

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e. chandrasekhar

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Cell biology, genetics & plant breeding, plant nursery

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU

CURRICULUM LECTURER WISE 2020-2021 2020-21

Cell biology, genetic & plant
Breeding, plant nursery

ANNUAL CURRICULAR				PLAN (Year)				CO-CURRICULAR ACTIVITY				
NAMR OF THE LECTURER				CLASS :				Semester :				
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
	2	H	→ structure & functions of RNA's	—	—	—	—	—	—	—	—	—
	3	1	Mendel's laws of inheritance.	explanation.	shown character boards	1hr	yes		made them to prepare character boards	1hr	yes	—
	4	H	Monohybrid cross Dihybrid cross Back cross & test cross))))							—
	5	3	① chromosomal mapping 2,3 point test cross	problems	solving problems.	1hr	yes		prepared the maps	1hr	yes	—
February	1	H	① Linkage & coupling & repulsion.	concept	explained various examples.	1hr.	yes					
	2	H	① crossing over ② introduction & objectives of plant breeding	—	—	—	—	—	—	—	—	—

T. Vijaya durga
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S. Anuradha
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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU

CURRICULUM LECTURER WISE 2020-2021 2020-21

ANNUAL CURRICULAR				ANNUAL CURRICULAR PLAN (Year)											
NAMR OF THE LECTURER <i>J. Vijaya durga</i>				NAME OF THE LECTURER			CLASS : <i>III CBZ</i>			Semester : <i>V</i>			Paper : <i>Cell biology, Genetics, plant Breeding, plant Nursery</i>		
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY						
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<i>feb</i>	<i>3</i>	<i>H</i>	<i>① Methods of crop Improvement ② Advantages & limitations of Introduction, self, hybridization</i>	<i>vedias</i>	<i>Shown you-tube vedias</i>	<i>1hr7</i>	<i>YES</i>	<i>-</i>	<i>Quiz</i>	<i>1hr</i>	<i>Yes</i>	<i>-</i>			
	<i>H</i>	<i>H</i>	<i>① Role of Mutation's in crop improvement</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>			
			<i>② Role of somaclonal variations in crop improvement</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>			
			<i>③ Molecular Breeding</i>	<i>vedias</i>	<i>Shown different vedias</i>	<i>1hr7</i>	<i>YES</i>	<i>-</i>	<i>Seminar</i>	<i>1hr</i>	<i>Yes</i>	<i>-</i>			
			<i>④ Role of DNA markers in plant breeding [RAPD & AFLP]</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>			
				<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>			

J. Vijaya durga
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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2020 - 2021

ANNUAL CURRICULAR					PLAN (Year)		2020-2021 (Oddsem)							
NAME OF THE LECTURER					CLASS		Semester		Paper					
K. Krishna priya					III CBZ		2		Plant Ecology & Phytogeography					
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY					
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Nov	3	2	Syllabus, Introduction definition of Ecology	PPT	Quiz	1hr	Yes	-	Quiz	1hr	Yes	-		
	4	4	Branches, significance climatic factors Edaphic factors	-	-	-	-	-	-	-	-	-		
Dec	1	4	Composition of Soil Ecosystem components and concept	Shown images of the ecosystem	Seminar	1hr	Yes	-	Seminar	1hr	Yes	-		
	2	4	Food chain food web Ecological pyramids Energy flow	-	-	-	-	-	-	-	-	-		
	3	4	Productivity, primary and Secondary	Shown charts	Debate	1hr	Yes	-	Debate	1hr	Yes	-		
	4	3	Phosphorus cycle Nitrogen cycle Carbon cycle	-	-	-	-	-	-	-	-	-		

K. Krishna priya
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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2020 - 2021

Plant Ecology and
Phytogeography

ANNUAL CURRICULAR					PLAN (Year)							
NAMR OF THE LECTURER					CLASS :	Semester :			Paper :			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY			
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Jan	2	4	plant communities, characters of community, frequency, life forms.	PPT	Quiz	1hr	Yes	-	Debate	1hr	Yes	-
	3	1	Interaction between plants growing in community.	Shown different Images	Seminar	1hr	Yes	-	Quiz	1hr	Yes	-
	4	4	commensalism, mutualism, parasitism	-	-	-	-	-	-	-	-	-
	5	3	Principles of phytogeography, phytogeographic regions in India	-	-	-	-	-	-	-	-	-
Feb	1	4	phytogeographic regions in world, Biogeography, types, causes.	Shown charts of the types of phytogeography	Quiz	1hr	Yes	-	Seminar	1hr	Yes	-
	2	4	Levels of biodiversity, genetic, species & ecosystem.	-	-	-	-	-	-	-	-	-

K. Krishna Priya.
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S. Anuradha
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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU

CURRICULUM LECTURER WISE 2020 - 2021

2020-2021 (odd sem)

ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER <i>K. Krishna priya</i>					CLASS : <i>III CBZ</i>		Semester : <i>V</i>		Paper : <i>Plant Ecology & phytogeography</i>				
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
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<i>Feb</i>	<i>3</i>	<i>4</i>	<i>Biodiversity hotspot in India. loss of biodiversity.</i>	<i>Shown charts</i>	<i>Quiz</i>	<i>1hr</i>	<i>Yes</i>	<i>-</i>	<i>-</i>	<i>Seminars</i>	<i>1hr</i>	<i>Yes</i>	<i>-</i>
	<i>4</i>	<i>4</i>	<i>Diversity & Ecosystem Conservation seed banks.</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>

K. Krishna priya
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