

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018-2019

ANNUAL CURRICULAR					PLAN (Year)									
NAME OF THE LECTURER					CLASS : I-Inorganic chemistry Semester : I				Paper : I- General chemistry					
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		
			Unit-I schrodinger wave function, interpretation of wave function ' ψ '	Work out the differential equations and logarithm formulas - differential for	-	-	-	-	-	-	-	-	-	-
Jun	1w	4 hrs	Properties of wave function - Normalisation and orthogonalisation - operators: linear, non-linear commutator operators and its properties. Eigen values and Eigen functions, setting up of operators to observables	formulas. sin and cos values for different degrees.	-	-	-	-	-	Seminar	1	Yes	-	-
					-	-	-	-	-					
					-	-	-	-	-					
					-	-	-	-	-					

[Signature]
Signature of the Lecturer

[Signature]
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018-2019

ANNUAL CURRICULAR					PLAN (Year)				CO-CURRICULAR ACTIVITY			
NAME OF THE LECTURER <i>Dr. G. Ramu</i>					CLASS : <i>D-Msc organic chem</i> Semester : <i>1</i>				Paper : <i>D-General chemistry</i>			
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
			Basic Postulates of Quantum mechanics	-	-	-	-	-	-	-	-	-
			1,2,3,4,5 Postulates in detail. Simultaneous measurement	-	-	-	-	-	-	-	-	-
			or properties and the Heisenbergs uncertainty Principle	-	-	-	-	-	-	-	-	-
<i>Jun</i>	<i>2nd</i>	<i>4 hrs</i>	<u>Unit-II</u> wave mechanics of simple systems with constant potential energy- Particle in one-dimensional box	-	-	-	-	-	<i>Assignment</i>	<i>1</i>	<i>Yes</i>	-
			factors influencing color transition. dipole moment integrals	-	-	-	-	-	-	-	-	-

G. Ramu
Signature of the Lecturer

B.V. Prasad
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

ANNUAL CURRICULAR					PLAN (Year)										
NAME OF THE LECTURER					CLASS : <u>I msc organic chem</u>				Semester : <u>I</u>		Paper : <u>I - General Chemistry</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			
July	1w	4hrs	Symmetry arguments in deriving the Selection rules.	-	-	-	-	-	-	-	-	-	-	-	
			The concept of tunneling - particle	-	-	-	-	-	-	-	-	-	-	-	-
			in three-Dimensional box - wave function, Eigen values.	-	-	-	-	-	-	-	-	-	-	-	-
July	2w	3hrs	Orthogonality, Normalisation conditions	-	-	-	-	-	-	-	-	-	-	-	-
			Rigid rotator; classical and quantum mechanical treatment wave function and its eigen values.	-	-	-	-	-	-	-	-	-	-	-	-
				How the cartesian co-ordinates (x,y,z)	-	-	-	-	-	-	-	-	-	-	-
				transform into spherical polar coordinates (r, θ , ϕ)	-	-	-	-	-	-	-	-	-	-	-


Signature of the Lecturer


Signature of the HOD


Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

ANNUAL CURRICULAR					PLAN (Year)									
NAME OF THE LECTURER: <i>Dr. G. Ramu</i>					CLASS: <i>Msc organic chemistry</i> Semester: <i>I</i>				Paper: <i>I - General chemistry</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		
July	3w	4 hrs	wave mechanics of systems with variable potential energy	-	-	-	-	-	-	-	-	-	-	
			-Simple harmonic oscillator: solution of S.W equation	-	-	-	-	-	-	-	-	-	-	-
			Selection rules energy level diagram	-	-	-	-	-	-	-	-	-	-	-
July	4w	4 hrs	<u>Unit- II</u> Introduction to spectroscopy and different types of spectrosopes.	-	-	-	-	-	-	-	-	-	-	
			Rotational spectra of diatomic molecule Rigid Rotator.	-	-	-	-	-	-	-	-	-	-	
				-	-	-	-	-	-	-	-	-	-	

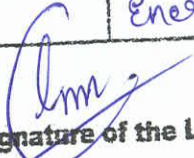
Gm
Signature of the Lecturer

B. v. p. ...
Signature of the HOD


[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018-2019

ANNUAL CURRICULAR					PLAN (Year)				CO-CURRICULAR ACTIVITY			
NAME OF THE LECTURER					CLASS : <u>I msc organic chem</u> Semester: <u>I</u>				Paper : <u>I- General Chemistry</u>			
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
July	5 th	4 hrs	selection rules energy level diagram	-	-	-	-	-	-	-	-	-
			Calculation of bond length, Isotopic effect, Second order Stark effect and its applications.	-	-	-	-	-	Assignment	2	Yes	-
			IR spectra of diatomic molecules harmonic oscillator	Applications of harmonic and	-	-	-	-	-	-	-	-
			selection rules, Def of Anharmonic oscillator.	Anharmonic oscillator.	-	-	-	-	-	-	-	-
			Anharmonic oscillator Selection rules, Energy level.	-	-	-	-	-	-	-	-	-


Signature of the Lecturer


B. V. Prasad
Signature of the HOD


Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018-2019

ANNUAL CURRICULAR					PLAN (Year)				CO-CURRICULAR ACTIVITY			
NAME OF THE LECTURER: <u>Dr. G. Ramu</u>					CLASS: <u>B. Sc organic chemistry</u> Semester: <u>I</u>				Paper: <u>I - General chemistry</u>			
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
Aug	1w	4 hrs	diagram, fundamental frequency, f_1 , 2nd overtones.	-	-	-	-	-	-	-	-	-
			combination and difference bands	-	-	-	-	-	-	-	-	-
	2w	4 hrs	Fermi resonance with example cal of force constant	-	-	-	-	-	-	-	-	-
			anharmonicity constant	-	-	-	-	-	-	-	-	-
	3w		simultaneous vibrational-rotational spectra of	-	-	-	-	-	-	-	-	-
			diatomic molecules (PQR spectrum) selection rules	-	-	-	-	-	-	-	-	-

Dr. G. Ramu
Signature of the Lecturer

B. V. Prasad
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018-2019

ANNUAL CURRICULAR					PLAN (Year)							
NAME OF THE LECTURER: <u>Dr. G. Ramu</u>					CLASS: <u>I Nsc organic chemistry</u> Semester: <u>I sem</u> Paper: <u>I - General chemistry</u>				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
Aug	4 th	4 hrs	Unit - IV Types of electronic transitions in organic molecules examples	-	-	-	-	-	-	-	-	-
Sep	1 st	4 hrs	Raman Spectra - Stokes, anti-Stokes lines, Raman shift	-	-	-	-	-	-	-	-	-
			classical and quantum mechanical	-	-	-	-	-	Seminar	1	Yes	-
Sep	2 nd	3 hrs	Treatment of Raman effect which type of molecules exhibit Raman spectra and what are necessary conditions	-	-	-	-	-	-	-	-	-

Ramu
Signature of the Lecturer

B. V. Prudhima
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018-2019

ANNUAL CURRICULAR					PLAN (Year)									
NAME OF THE LECTURER <i>Dr. G. Ramu</i>					CLASS : <i>I Msc organic chemistry</i> semester : <i>I sem</i> Paper : <i>I- General chemistry</i>				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		
<i>sep</i>	<i>3</i>		<i>Rotational Raman and vibrational</i>	<i>Applications of Pure Raman</i>	-	-	-	-	-	-	-	-	-	
		<i>4 hrs</i>	<i>Raman spectra. charge transfer spectra with examples. Introduction to electronic spectra.</i>	<i>Rotational & vibrational Raman spectra</i>	-	-	-	-	-	-	-	-	-	-
			<i>frank-Condon principle: diagrams statement, explanation, vibrational wave structure diagram.</i>		-	-	-	-	-	<i>Assignment</i>	<i>1</i>	<i>yes</i>	-	-
<i>sep</i>	<i>4</i>		<i>Selection rules spectrum</i>		-	-	-	-	-	-	-	-	-	
		<i>4 hrs</i>			-	-	-	-	-	-	-	-	-	

[Signature]
Signature of the Lecturer

B.V. Prasad
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: <i>Dr. G. Ramu</i>					CLASS: <i>PMSC organic chemistry</i> Semester: <i>1</i>				Paper: <i>2- General chemistry</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>oct</i>	<i>1st</i>	<i>2 hrs</i>	<i>Rotational fine structure-Definition, Derivation.</i>	-	-	-	-	-	-	-	-	-	-
			<i>Band-Head Def Band-shading Band-origin</i>	-	-	-	-	-	-	-	-	-	-
			<i>Total spectrum, S-R diagram with explanation.</i>	-	-	-	-	-	-	-	-	-	-
			<i>Revision</i>	-	-	-	-	-	-	-	-	-	-
<i>oct</i>	<i>2nd</i>		<i>Revision</i>	-	-	-	-	-	-	-	-	-	-
			<i>Revision</i>	-	-	-	-	-	-	-	-	-	-

G. Ramu
Signature of the Lecturer

B. V. Prasad
Signature of the HOD

S. S. S. S.
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019
PLAN (Year)

ANNUAL CURRICULAR					CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY			
NAME 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
oct	2 nd		Revision		Remedial & Revision							
	3 rd		Revision		Remedial & Revision							

[Signature]
 Signature of the Lecturer

B.V. [Signature]
 Signature of the HOD

[Signature]
 Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU

CURRICULUM LECTURER WISE 2018 - 2019

ANNUAL CURRICULAR					PLAN (Year)										
NAME OF THE LECTURER: Dr. B. Valli Purnima					CLASS: II. Msc. Org. Chem			Semester: III		Paper: I			[Organic Spectroscopy-2]		
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			
			UNIT-I B) Calculation of λ_{max} Values using woodward fieser rules		-	-	-	-	-	-	-	-	-		
June	1w	2hrs	λ_{max} Values using woodward fieser rules		-	-	-	-	Seminars	1hr	yes	-	-		
			B) Applications, solvent effects, geometrical isomerism		-	-	-	-	-	-	-	-	-		
			B) Calculation of λ_{max} Values using woodward fieser rules		-	-	-	-	-	-	-	-	-		
July	1w	2hrs	acid & base effects A) Beer-Lambert's law-Instrumentation		-	-	-	-	Assignment	1hr	yes	-	-		
			Energy transitions, Chromophores - Auxo-Chrome.		-	-	-	-	-	-	-	-	-		

B. V. Purnima
Signature of the Lecturer

B. V. Purnima
Signature of the HOD

Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018-2019

ANNUAL CURRICULAR					PLAN (Year)									
NAME OF THE LECTURER <i>Dr. B. Valli Purnima</i>					CLASS : <i>II M.Sc</i>				Semester : <i>III</i>		Paper : <i>II, Organic Spectroscopy-I</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		
			Absorption shifts, U.V absorption of Alkenes - polyenes		-	-	-	-	-	-	-	-	-	-
			<u>UNIT-II</u> A) Fundamental modes of vibrations, factors effecting vibration alfreq		-	-	-	-	-	-	-	-	-	-
<i>July</i>	<i>2nd</i>	<i>3hrs</i>	Hydrogen Bonding, mechanics of measurement		-	-	-	-	-	-	-	-	-	-
			B) Fingerprint region importance typical group freq ⁿ s - CH, OH, N-H, C-CO and aromatic systems - Applications.		-	-	-	-	-	Seminar	1hr	yes	-	-
			Ir- structural determination - Examples		-	-	-	-	-	-	-	-	-	-

B. V. Purnima
Signature of the Lecturer

B. V. Purnima
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018-2019

ANNUAL CURRICULAR					PLAN (Year)							
NAME OF THE LECTURER: <u>Dr. B. Valli Purvime</u>					CLASS: <u>II M.Sc</u>		Semester: <u>III</u>		Paper: <u>II, Organic Spectroscopy-II</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
			IR- Simple problems		-	-	-	-	Assignment	1hr	yes	-
July	3 rd	4hrs.	UNIT-A Calculation of λ_{max} values using Woodward-Fiesher rules, (Revision)		-	-	-	-	-	-	-	-
			IR- problems		-	-	-	-	-	-	-	-
			Mid-Exams		-	-	-	-	-	-	-	-
July	4 th		UNIT-III A) Basic principle of NMR instrumentation.		-	-	-	-	Seminar	1hr	yes	-
			B) Shielding & deshielding, chemical shift & measurement		-	-	-	-	-	-	-	-

B. V. Purvime
Signature of the Lecturer

B. V. Purvime
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018-2019

ANNUAL CURRICULAR					PLAN (Year)									
NAME OF THE LECTURER <i>Dr. B. Valli Purima</i>					CLASS : <i>II M.Sc</i>			Semester : <i>III</i>		Paper : <i>II, Organic Spectroscopy I</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		
			Factors influencing chemical shift, spin-spin interactions - factors influencing		-	-	-	-	-	-	-	-	-	-
			Coupling constant @ CNMR, similarities & difference of PMR &		-	-	-	-	-	Assignment	1hr	yes	-	-
			MR, typical examples of CMR spectroscopy - Simple System		-	-	-	-	-	-	-	-	-	-
			UNIT-IV ① ESI, CI, ES, MALDI FAB		-	-	-	-	-	-	-	-	-	-
			factors affecting fragmentation		-	-	-	-	-	-	-	-	-	-
<i>Aug</i>	<i>3rd</i>	<i>4hrs</i>	② molecular ion peak, metal stable peak, base peak		-	-	-	-	-	Seminar	1hr	yes	-	-

B. V. Purima
Signature of the Lecturer

B. V. Purima
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

ANNUAL CURRICULAR					PLAN (Year)									
NAME OF THE LECTURER <i>Dr. B. Valli Purima</i>					CLASS : <i>II M.Sc</i>				Semester : <i>III</i>		Paper : <i>II, Organic Spectroscopy - II</i>		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		
			<i>Mc lafferty rearrangement, Nitrogen rule</i>		-	-	-	-	-	-	-	-		
			<i>II - MID-EXAMS</i>		-	-	-	-	-	-	-	-		
<i>Sep</i>	<i>4W 8ep</i>	<i>4hrs</i>	<i>Examples of mass Spectral fragmentation of</i>		-	-	-	-	-	-	-	-		
			<i>Organic Compounds- problems</i>		-	-	-	-	-	-	-	-		
			<i>Revision.</i>		-	-	-	-	-	-	-	-		
			<i>Revision</i>		-	-	-	-	-	-	-	-		

B. V. Purima
Signature of the Lecturer

B. V. Purima
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: <u>P. RAMA KRISHNA</u> <u>Pr. B. Valli Purima</u>					CLASS: <u>TMsc (Org)</u>		Semester: <u>I</u>		Paper: <u>III</u> <u>(Organic Chemistry)</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	
			Preparation and properties of quinoline	uses of quinoline	-	-	-	-	-	-	-	-	-
Jun	1st	2 hrs	Preparation and properties of Isoquinoline	uses of Isoquinoline	-	-	-	-	-	-	-	-	-
July	1st		Electronic effect and Reactive Intermediate mesomeric effect	-	-	-	-	-	-	-	-	-	-
		4 hrs	Hyperconjugation, steric effect, Automerism, reactivity of carbocations and carbanions.	-	-	-	-	-	-	-	-	-	-
			Preparation and properties of pyrrole	uses of pyrrole	-	-	-	-	-	-	-	-	-
			Preparation and properties of Oxazole	uses of Oxazole	-	-	-	-	-	-	-	-	-

B. V. Purima
Signature of the Lecturer

B. V. Purima
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: <i>Dr. B. Valli Purima</i>					CLASS: <i>I MSc (Org)</i>		Semester: <i>I</i>		Paper: <i>III (Organic Chemistry)</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>July</i>	<i>2nd</i>	<i>4 hrs</i>	<i>properties and synthesis of Isoxazole and pyrazole</i>	<i>uses of pyrazole</i>	-	-	-	-	-	-	-	-	-
			<i>Synthesis and properties of Imidazole</i>	-	-	-	-	-	-	-	-	-	-
			<i>Pyridazine, Pyrimidine, pyrazine</i>	-	-	-	-	-	-	-	-	-	-
<i>July</i>	<i>3rd</i>		<i>Reactivity of free radicals, Carbenes, nitrenes & oxygens</i>	-	-	-	-	-	-	-	-	-	-
		<i>4 hrs</i>	<i>Criteria for aromaticity Huckel's rule and MO theory, aromaticity in benzenoid & non benzenoid compounds in charged and pushed ring system</i>	<i>will be shown MO theory of aromaticity ppt presentation.</i>	-	-	-	-	-	-	-	-	-
					-	-	-	-	<i>Assignments on Aromaticity</i>	-	-	-	-

B.V. Purima
Signature of the Lecturer

B.V. Purima
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU

CURRICULUM LECTURER WISE 2018 - 2019

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: <i>Dr. B.V. Purima</i>					CLASS: <i>IMSc (Org)</i>		Semester: <i>I</i>		Paper: <i>III (Organic chemistry)</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>July</i>	<i>4th</i>	<i>4 hrs</i>	<i>Metero aromatic system, Annulenes, cyclo butadiene</i>	-	-	-	-	-	-	-	-	-	-
			<i>Benzene 1,3,5,7-cyclooctatetraene [8] Annule [12]</i>	-	-	-	-	-	-	-	-	-	-
			<i>[14] [16] and [18] Fulvenes, fullerenes, ferrocene, anti aromaticity</i>	<i>structures and uses of fullerenes</i>	-	-	-	-	-	-	-	-	-
<i>Aug</i>	<i>1st</i>		<i>Synthesis of Atropine, Nicotine</i>	-	-	-	-	-	-	-	-	-	-
		<i>4 hrs</i>	<i>and quinine isolation and their structure elucidation</i>	-	-	-	-	-	-	-	-	-	-
			<i>Synthesis and biogenesis of α-Terpenol</i>	<i>Uses of α-Terpenol</i>	-	-	-	-	-	-	-	-	-

B.V. Purima
Signature of the Lecturer

B.V. Purima
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

ANNUAL CURRICULAR PLAN (Year)					CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY							
NAME OF THE LECTURER: <i>B. VALLI PURNIMA</i>					CLASS: <i>I MSc (Org)</i>				Semester: <i>I</i>				Paper: <i>III (Organic chemistry)</i>			
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				
			Inductive & mesomeric effect, hyperconjugation	Inductive effect applications	-	-	-	-	-	-	-	-				
Aug	2 nd	4 hrs	Stereoisomerism, tautomerism, reaction intermediates	-	-	-	-	-	Student seminar on Aromaticity	01	yes	-				
			Synthesis and biogenesis of α -Terpenol	-	-	-	-	-	-	-	-	-				
Aug	3 rd	4 hrs	α -pinene and Camphor	Uses of Camphor	-	-	-	-	-	-	-	-				
Aug	4 th	4 hrs	molecular symmetry and chirality, symmetry	-	-	-	-	-	-	-	-	-				
			elements, classification of stereoisomers, enantiomers	-	-	-	-	-	Debate on Enantiomers and Diastereomers	01	yes	-				

B. V. Purnima
Signature of the Lecturer

B. V. Purnima
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

ANNUAL CURRICULAR					PLAN (Year)											
NAME OF THE LECTURER					CLASS : IMS (Org)				Semester : I				Paper : III (Organic chemistry)			
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				
Sep	1 st	3 hy	Diastereomers, Invertomer, Homomer, Epimer, Anomer.	Examples of Epimers and Anomers.	-	-	-	-	-	-	-	-	-	-		
			Configuration and Conformation D, L & R, S nomenclature	-	-	-	-	-	-	-	-	-	-	-		
Sep	2 nd	4 hy	Tetra and Tri Coordinate chiral centre	-	-	-	-	-	-	-	-	-	-	-		
			Geometrical isomerism methods as cis trans inter conversion & syn	-	-	-	-	-	-	-	-	-	-	-		
			Geometrical isomers methods, as trans inter conversion	-	-	-	-	-	-	-	-	-	-	-		
Sep	3 rd	4 hy	prochirality and prosteroisomerism Homotopic ligands	-	-	-	-	-	-	-	-	-	-	-		

B. V. Prudhvi
Signature of the Lecturer

B. V. Prudhvi
Signature of the HOD

Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

PLAN (Year)

ANNUAL CURRICULAR					CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY			
NAME OF THE LECTURER					CLASS : I MSc Organic 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
			and faces stereoisomerism in molecules, without	-	-	-	-	-	-	-	-	-
Sep	4 th	4 hrs	chiral centre. Axial chirality alkenes alkylidene bicyclo	-	-	-	-	-	-	-	-	-
			alkanes atropi isomerism, Biphenyl derivatives.	-	-	-	-	-	-	-	-	-
Oct	1 st	2 hrs	planar chirality Ansa compounds trans cyclooctene and helicity	Remedial class	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-
Oct	2 nd		Revision	-	-	-	-	-	-	-	-	-

B.V. Prudhvi
Signature of the Lecturer

B.V. Prudhvi
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

ANNUAL CURRICULAR					PLAN (Year)				CO-CURRICULAR ACTIVITY				
NAME 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	
Jun	1w	2 hrs	<u>UNIT-I</u> Introduction of Thermodynamics	Basic terms used in TD	-	-	-	-	-	-	-	-	
			concept of Partial molar properties.	& their symbols Relations among	-	-	-	-	-	-	-	-	
			Partial molar volume and its significance	Various therm Properties.	-	-	-	-	-	-	-	-	
July	1w		Determination of Partial molar volume by	-	-	-	-	-	Assignment	-	Yes	-	
		4 hrs	Graphical method derivation, Intercept	-	-	-	-	-	-	-	-	-	
			method - derivation, apparent molar volume method	-	-	-	-	-	-	-	-	-	

C.R.Reddy
Signature of the Lecturer

B.V. Prasad
Signature of the HOD

S. Srinivas
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

ANNUAL CURRICULAR					PLAN (Year)									
NAME OF THE LECTURER <i>Dr G.R. Satyanarayana</i>					CLASS : <i>I.M.Sc</i>				Semester : <i>I</i>		Paper : <i>IV, Physical</i>		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		
<i>July</i>	<i>2nd</i>		<i>Partial molar free energy - Chemical Potential, Variation.</i>	-	-	-	-	-	-	-	-	-		
		<i>4 hrs</i>	<i>of μ with T & P. Gibbs Duhem eqⁿ derivation, significant</i>	-	-	-	-	-	<i>Seminar</i>	<i>1</i>	<i>Yes</i>	-		
			<i>phase equilibria & derivation of Gibbs phase rule. Ideal</i>	-	-	-	-	-	-	-	-	-		
			<i>& non-ideal solutions Thermodynamic probs of mixing of ideal sol^s</i>	-	-	-	-	-	-	-	-	-		
<i>July</i>	<i>3rd</i>		<i>Vapour pressure - Raoult's law and</i>	-	-	-	-	-	-	-	-	-		
		<i>4 hrs</i>	<i>Henzl's law - concept of fugacity and activity, P_T Coeff^{ic}.</i>	-	-	-	-	-	-	-	-	-		

G.R. Satyanarayana
Signature of the Lecturer

B.V. Prasad
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER <i>Dr. G. R. Satyanarayana</i>					CLASS : <i>T.M.Sc</i>				Semester : <i>I</i>		Paper : <i>IV, Physical</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>July</i>	<i>4th</i>		<i>Determination of fugacity. Determination of activity coeffic.</i>	-	-	-	-	-	-	-	-	-	-
		<i>4 hrs</i>	<i>from vapour pressure method and Gibbs-Duhem equation</i>	-	-	-	-	-	-	-	-	-	-
			<i>chemical equilibrium - Van't Hoff isotherm Van't Hoff isochore</i>	-	-	-	-	-	-	-	-	-	-
<i>July</i>			<u><i>UNIT-II</i></u> <i>Surface active agents classification of S.A.A</i>	-	-	-	-	-	<i>Assignment</i>	<i>1</i>	<i>Yes</i>	-	-
		<i>5th</i>	<i>4 hrs</i> <i>Definition of micelles and macromolecules. micellisation.</i>	-	-	-	-	-	-	-	-	-	-
			<i>Hydrophobic interaction, critical micelle concentration (CMC)</i>	-	-	-	-	-	-	-	-	-	-

G.R. Satyanarayana
 Signature of the Lecturer

B.V. Prasad
 Signature of the HOD

Satish
 Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

PLAN (Year)

ANNUAL CURRICULAR

NAME OF THE LECTURER

Dr. G. R. Satyanarayana

CLASS : *I M.Sc*

Semester : *I*

Paper : *IV, Physical Chemistry*

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	
			factors affecting the CMC of surfactants	-	-	-	-	-	-	-	-	-	-
			thermodynamics of micellisation.	-	-	-	-	-	-	-	-	-	-
			Phase separation and mass-action models, solubilization	Definitions of phase,	-	-	-	-	-	-	-	-	-
<i>July</i>	<i>5th</i>		Micro emulsion, reverse micelles	number of components	-	-	-	-	<i>Seminar</i>	<i>1</i>	<i>Yes</i>	-	-
			Polymers - definition types of Polymers.	Examples of different types of polymerisation.	-	-	-	-	-	-	-	-	-
			Polymerisation - classification. electrical conducting, fire resistant liquid.	-	-	-	-	-	-	-	-	-	-

G. R. Satyanarayana
Signature of the Lecturer

B. V. Prasad
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

ANNUAL CURRICULAR					PLAN (Year)											
NAME OF THE LECTURER					CLASS : <i>I M.Sc</i>				Semester : <i>I</i>				Paper : <i>IV Physical</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>Aug</i>	<i>1st</i>		<i>Crystal polymers</i>	-	-	-	-	-	-	-	-	-	-			
			<i>Number and weight average molecular weights Definition</i>	-	-	-	-	-	-	<i>Assignment</i>	<i>1</i>	<i>Yes</i>	-			
			<i>4th molecular weight determination by osmometry, viscometry.</i>	-	-	-	-	-	-	-	-	-	-	-		
			<i>M.w. determination by ultracentrifugation</i>	-	-	-	-	-	-	-	-	-	-	-		
			<i>method, light scattering methods.</i>	-	-	-	-	-	-	-	-	-	-	-		
			<i>UNIT - III</i>		<i>Introduction to chemical kinetics.</i>	-	-	-	-	-	-	-	-	-		
<i>Aug</i>	<i>2nd</i>															

C.R. Satyanarayana
Signature of the Lecturer

B.V. Prasad
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER <i>Dr. G. R. Satyanarayana</i>					CLASS : <i>I M.Sc</i>	Semester : <i>I</i>	Paper : <i>IV, PHYSICAL</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	
			Theories of react ⁿ rates collision theory - limitations, derivations	Definitions of rate of react ⁿ rate const.	-	-	-	-	-	-	-	-	-
	<i>2nd 4th</i>	<i>4th</i>	transition state theory: Thermodyn and statistical	& the mathemati- cal expressions for 1 st , 2 nd	-	-	-	-	-	-	-	-	-
			derivation of rate constants. Definition of ionic strength	and 3 rd order reactions.	-	-	-	-	-	<i>Assignment</i>	<i>1</i>	<i>Yes</i>	-
<i>Aug</i>			Debye-Huckel theory:- explanation	-	-	-	-	-	-	-	-	-	-
	<i>3rd</i>	<i>3th</i>	Primary and secondary salt effects	-	-	-	-	-	-	-	-	-	-
			Double sphere model: Effect of dielectric const	-	-	-	-	-	-	-	-	-	-

G.R. Satyanarayana
Signature of the Lecturer

B.V. Prasad
Signature of the HOD

K. Srinivas
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

ANNUAL CURRICULAR					PLAN (Year)									
NAME OF THE LECTURER <i>Dr. G. R. Satyanarayana</i>					CLASS : <i>I M.Sc</i>				Semester : <i>I</i>		Paper : <i>IV, PHYSICAL</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>Aug</i>	<i>4th</i>		<i>Effect of substituents Hammett Eqⁿ - Limitations (Tabl Equation)</i>	-	-	-	-	-	-	-	-	-	-	
			<i>Rate constants of Consecutive reactn Parallel reactions</i>	-	-	-	-	-	-	<i>Seminar</i>	<i>1</i>	<i>Yes</i>	-	
			<i>OPPOSING reactions. General and specific</i>	-	-	-	-	-	-	-	-	-	-	-
			<i>Acid-Base catalysis. Skrabal diagram. Fast reactions.</i>	-	-	-	-	-	-	-	-	-	-	-
			<i>flow methods for studying fast reactns</i>	-	-	-	-	-	-	-	-	-	-	-
			<i>Relaxation methods: Temperature jump and pressure</i>	-	-	-	-	-	-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-	-

G. R. Satyanarayana
Signature of the Lecturer

B. V. Prasad
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

PLAN (Year)

ANNUAL CURRICULAR
 NAME OF THE LECTURER: Dr. G. R. Satyanarayana

CLASS: I M.Sc

Semester: I

Paper: IV, Physical

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	
Sep	1w		Jump methods. <u>UNIT - VI</u> Introduction to photochemistry.		-	-	-	-	-	-	-	-	-
		4hy	Frank-Condon Principle. Singlet Triplet states. Jablonski diagram	Definitions of fluorescence, phosphorescence and their applications.	-	-	-	-	-	-	-	-	-
			Spin-orbit interaction. Quantum yield; reasons for low and high Q.Y		-	-	-	-	-	-	-	-	-
Sep	2w	4hy	Experimental determination. Actinometry. Ferrionalate and		-	-	-	-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-

G. R. Satyanarayana
 Signature of the Lecturer

B. V. ...
 Signature of the HOD

...
 Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU

CURRICULUM LECTURER WISE 2018 - 2019

PLAN (Year)

ANNUAL CURRICULAR

CLASS : T.M.Sc

Semester : I

Paper : IV, Physical

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	
Sep	3 rd	4hrs	oxanyl oxalate actinometers	-	-	-	-	-	-	-	-	-	-
			Derivation of fluor- escence & phosphore sence quantum yields.	-	-	-	-	-	-	-	-	-	-
Sep	4 th		Quenching effect Stern-Volmer eq ⁿ .	-	-	-	-	-	-	-	-	-	-
		4hrs	Derivation S.V. constant, deviations	-	-	-	-	-	-	-	-	-	-
			Delayed fluorescence I-E-type & P-type	-	-	-	-	-	-	-	-	-	-

G.R. Satyanarayana
Signature of the Lecturer

B.V. Prasad
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019
PLAN (Year)

Paper : *Physical Chemistry*

Semester : *I*

CLASS : *I MSc*

ANNUAL CURRICULAR
 NAME OF THE LECTURER *Dr. G.R. Satyanarayana*

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>Oct</i>	<i>1w</i>	<i>2hr</i>	<i>Types of photo chemical reactions</i>	-	-	-	-	-	-	-	-	-
			<i>Photodissociation or photo fragmentation</i>	-	-	-	-	-	-	-	-	-
			<i>Photo addition reactions and isomerisation reacⁿ</i>	-	-	-	-	-	-	-	-	-
			<i>mechanisms with examples</i>	-	-	-	-	-	-	-	-	-

G.R. Satyanarayana
 Signature of the Lecturer

B.V. Prasad
 Signature of the HOD

[Signature]
 Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

ANNUAL CURRICULAR					PLAN (Year)									
NAME OF THE LECTURER: Ch. Bhuvaneshwari					CLASS: I MSc (Organic Chem)	Semester: II	Paper: I (Organic & Physical Chem)							
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		
			Unit - I NGIP by Bromine, phenyl, o, p, cyclo propyl group.	Definition of NGIP and its	-	-	-	-	-	-	-	-	-	-
			SN at allylic carbon	types definition of electrophile nucleophile	-	-	-	-	-	seminar	1hr	yes	-	-
			SN at aliphatic tertiary carbon, vinylic carbon, steric hindered -phenyls, hyd. of esters	and their uses in the reactions,	-	-	-	-	-	-	-	-	-	-
			Mech. of ester formation of acid with DCC,	-	-	-	-	-	-	-	-	-	-	-
July	1w	4hrs												

Ch. Bhuvaneshwari
Signature of the Lecturer

B.V. Prerna
Signature of the HOD

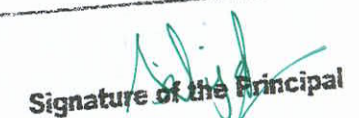
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

ANNUAL CURRICULAR					PLAN (Year)				Paper : I (OR) 1 & Personality test			
NAME OF THE LECTURER Ch. Bhuvaneshwari					CLASS : II M.Sc (Organic Chem) 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
July	1w	4hrs	Major's syn. of ald, ketones & cooh.	—	—	—	—	—	—	—	—	—
			Mitsunobu react, Vor, Brown react	—	—	—	—	—	Assignment	1hr	yes	—
July	2w	3hrs	SE ² , SE ¹ , SE ⁰ , 'H' as electrophile, HVZ	Discussion of electrophile,	—	—	—	—	—	—	—	—
			Migration of double bonds, NE ⁺	Nucleophile, substitution	—	—	—	—	—	—	—	—
			Halogen e ⁻ ald & ketones, Sulpho series	& elimination reactions.	—	—	—	—	—	—	—	—
July	3w	4hrs	& Sulphones, Drazo coupling, Drazo transfer	with their applications	—	—	—	—	Seminar	1hr	yes	—

Ch. Bhul
Signature of the Lecturer

B.V. Prasad
Signature of the HOD


Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

ANNUAL CURRICULAR					PLAN (Year)											
NAME OF THE LECTURER					CLASS : II. MSc Organic Chem				Semester : III				Paper : I (OR) & Performance Test			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CO-CURRICULAR ACTIVITY											
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date				
July	4th	4 hrs	reac ⁿ , decarboxylation of aliphatic acids, Dakin West, Haller Bauer reac ⁿ .	—	—	—	—	—	—	—	—	—	—			
	5th	4 hrs	Unit-II topology & nomenclature rules. Analytical methods	Introduction of stereochem ^y -stag, sym -etay, Asymmetry	—	—	—	—	—	—	—	—	—			
Aug	1st	4 hrs	stereo selectivity, e.e.%, d.e.%, optical purity, specific rotation	Asymmetric Induction, types, cases	—	—	—	—	—	—	—	—	—			
	2nd	4			—	—	—	—	—	—	—	—	—			

Ch. Bhuvaneshwari
Signature of the Lecturer

B.V. Prasad
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

PLAN (Year)

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER					CLASS : <u>II M.Sc (Organic Chem)</u>	Semester : <u>III</u>	Paper : <u>II (OR) Organic Pericyclic Reaction</u>						
							CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY		Activity Conducted
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	
Aug	3 rd	4 hrs	chiral NMR, solvent reagents, HPLC &	chemoselectivity & Regio selectivity	-	-	-	-	-	-	-	-	
			chiral derivatizing agents.	-	-	-	-	-	-	seminars	1hr	yes	-
			Revision for I mid exams	-	-	-	-	-	-	-	-	-	-
Aug	4 th	4 hrs	I mid exams	-	-	-	-	-	-	-	-	-	
			Unit - III mol. orbital symmetry	Introduction of pericyclic	-	-	-	-	-	-	-	-	-
			freq of ethylene 1,3 Butadiene	reactions & their types	-	-	-	-	-	assignment	1hr	yes	-

Ch. Bhul
Signature of the Lecturer

B.V. Pr...
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER					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	
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught									
			1,3,5 Hexatriene, allyl system, 4n	and how they are	-	-	-	-	-	-	-	-	-
			f H ₂ O ₂ - electrophilic - carb reactions	formed with some examples	-	-	-	-	-	-	-	-	-
Sep	1w	4hrs	cyclo addition reas (2+2) addition of	-	-	-	-	-	seminars	1hr	yes	-	-
			ketenes, allyl system.	-	-	-	-	-	-	-	-	-	-
			chelotropic reas suprafacial, Antara	-	-	-	-	-	-	-	-	-	-
			-facial reas,	-	-	-	-	-	-	-	-	-	-
Sep	3w	4hrs	woodward rules.	-	-	-	-	-	-	-	-	-	-

eh. Bhus
Signature of the Lecturer

B.V. Prasad
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018-2019

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER					CLASS : <u>II M.Sc (Organic Chem)</u> Semester : <u>III</u>				Paper : <u>I CORN & Pericyclic Reactions</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	
Sep	4	4hrs	<u>Unit-IV</u> <u>PRO & FRO</u>	<u>Introduction of types of radiations & shifts</u>	—	—	—	—	<u>sem pro</u>	<u>1hr</u>	<u>yes</u>	—	
			<u>Signat & shifts</u>	<u>Explanation of (1,3) (1,5) shifts</u>	—	—	—	—	—	—	—	—	
Oct	1w	2hrs	<u>3 named reactions</u> <u>elaisen cope,</u>	<u>Diels Alder reaction</u>	—	—	—	—	—	—	—	—	
			<u>Barton, carbon moefiles</u>	—	—	—	—	—	—	—	—		
Oct	2nd		<u>(Rev) II mid exams</u>	—	—	—	—	—	—	—	—	—	
			<u>Revision of Q.P.</u>	—	—	—	—	—	—	—	—		

Ch. Bharad
Signature of the Lecturer

B.V. Prasad
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018-2019

PLAN (Year)

Inorganic Chemistry

ANNUAL CURRICULAR					CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY			
NAME OF THE LECTURER B. VIRITHA					CLASS : 1MSc				Semester : I			
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
June	1w	2 hrs	Introduction - structure Bonding - Applications of VSEPR Valance bond	Explanation of simple molecules M.O diagrams	-	-	-	-	-	-	-	-
July	1w	2 hrs	Theory and Molecular orbital theory Explaining the structure of simple molecules	Calculation of bond order	-	-	-	-	-	-	-	-
			role of p and d-orbitals in π bonding Applications of MO theory to tetrahedral $CoCl_4^{2-}$	Magnetic behaviour of complexes	-	-	-	-	-	-	-	-
July	2w	3 hrs	Square planar $CuCl_2^{2-}$ & octahedral complex $(CoF_6)^{3-}$, $(CoCl_4)^{2-}$	-	-	-	-	-	-	-	-	-
			Classification of ligands based on π bonding using MO theory Walsh diagram for H_2O molecule	-	-	-	-	-	Seminar	1hr	yes	-

B. Viritha
Signature of the Lecturer

B. V. Prasad
Signature of the HOD

Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

PLAN (Year)

ANNUAL CURRICULAR					CURRICULAR ACTIVITY							CO-CURRICULAR ACTIVITY		
NAME OF THE LECTURER <i>B. V. V. V. V.</i>					CLASS : <i>I M.Sc Organic</i>				Semester : <i>I</i>			Paper : <i>II Inorganic Chemistry</i>		
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		
			Inorganic cage and ring compounds - preparation structure reactions of boranes	Explanation of teta boranes and	-	-	-	-	-	-	-	-		
			Carboranes metallo carboranes electron counting in boranes - Wade rule	penta boranes	-	-	-	-	-	-	-	-		
			<i>Wides to other</i>		<i>Sanskranti holidays</i>									
<i>July</i>	<i>3rd</i>		Heterocyclic inorganic rings system ; Boron - Nitrogen (H_2B, N_2H_2)	-	-	-	-	-	-	-	-	-		
			phosphorus - Nitrogen (NP_2, N_2P) and sulphur - Nitrogen (SN, NS) cyclic compounds	-	-	-	-	-	Assignment	1hr	yes	-		
			cage compounds - phosphorus oxides sulphides	-	-	-	-	-	-	-	-	-		
			Zeolite & heteropoly acids	-	-	-	-	-	-	-	-	-		

B. V. V. V. V.
Signature of the Lecturer

B. V. P. P. P.
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

ANNUAL CURRICULAR					PLAN (Year)				CO-CURRICULAR ACTIVITY			
NAME OF THE LECTURER: <u>B. V. Ritha</u>					CLASS: <u>I MSc</u>	Semester: <u>I</u>	Paper: <u>D, Inorganic Chemistry</u>					
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
July	4 th		Coordination compounds - crystal field theory - Crystal field splitting patterns in octahedral	Definitions of the terms used in	-	-	-	-	-	-	-	-
			tetrahedral, tetra gonal square planar square pyramidal trigonal bipyramidal geometries, calculation of CFSE. Factors affecting CFSE - Spectrochemical series	Coordination chemistry sidwick's EAN rule	-	-	-	-	-	-	-	-
Aug	1 st		Jahn-Teller effect nephelauretic effect - ligand field theory	-	-	-	-	-	Seminar	1hr	yes	-
		2 hrs	Term symbols - Russel - Saunders Coupling - derivation	-	-	-	-	-	-	-	-	-
			of term symbols for various configura- tion, spectroscopic ground states.	-	-	-	-	-	-	-	-	-

B. V. Ritha
Signature of the Lecturer

B. V. Purima
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

ANNUAL CURRICULAR					PLAN (Year)									
NAME OF THE LECTURER <i>B. Viritha</i>					CLASS : <i>I MSc</i>				Semester : <i>I</i>		Paper : <i>II, Inorganic Chemistry</i>		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		
			Electronic spectra of transition metal complexes - Types of electronic transitions	Explanation of transition metals and	-	-	-	-	Assignment	1hr	yes	-		
Aug	3 rd	4hr	d-d transitions - selection rules, breakdown of selection rules of eg and t _{2g}	Various oxidation states	-	-	-	-						
			For d ¹ - d ⁹ octahedral and tetrahedral transition metal complexes		-	-	-	-						
Sep			Calculation of Δ_{oct} & β parameters Charge transfer spectra		-	-	-	-						
	4 th	4hr	Magnetic properties of transition & inner transition metal complexes - spin and orbital moments - quenching of orbital momentum by crystal complexes		-	-	-	-						

B. Viritha
Signature of the Lecturer

B. v. Prasad
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018-2019

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER <u>B. S. N. Murthy</u>					CLASS <u>II M.Sc (Org. Chem)</u>			Semester: <u>III</u>		Paper: <u>III (Modern Org. Synthesis-I)</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	
Jun	1 st	2hrs	Unit - I Aldol rean, Zimmerman traxler model	Endate & its formation,	-	-	-	-	-	-	-	-	-
			Stark enamine rean & its applications	Aldol rean Introduction	-	-	-	-	Seminar	1hr	Yes	-	-
July	1 st	4hrs	Baylis Hiltman rean	of coupling rean &	-	-	-	-	-	-	-	-	-
			Org. palladium chem. & Org. copper chem.	its types	-	-	-	-	-	-	-	-	-
July	2 nd	4hrs	Org Sulphur chem. Carbenes & carbene - ds	-	-	-	-	-	-	-	-	-	-
July	3 rd	4hrs	Unit - II E1 & E2 reans with 3 rules.	-	-	-	-	-	Assignment	1hr	Yes	-	-

B. S. N. Murthy
Signature of the Lecturer

B. V. Prasad
Signature of the HOD

Sahid
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018-2019

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER <u>B.S.N. Murthy</u>					CLASS : <u>II M.Sc(Org.chem)</u> Semester : <u>III</u>				Paper : <u>III (Mol. Org. Synthesis - I)</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	
July	4 th	4hrs	Pyrolytic syn elimination reaction	Definitions of elimination reactions &	-	-	-	-	-	-	-	-	-
			Sulphoxide-sulphate exchange reaction	its types	-	-	-	-	-	-	-	-	-
Aug	1 st	4hrs	5 names reactions, Metathesis &	-	-	-	-	-	Seminar	1hr	Yes	-	-
Aug	2 nd	4hrs	Grubbs catalyst & 2 types of reagents	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-

B.S.N. Murthy
Signature of the Lecturer

B.V. Prasad
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER <u>B. S. N. Murthy</u>					CLASS : <u>II M.Sc. Org. Chem.</u>		Semester : <u>III</u>		Paper : <u>III (Modern Org. Syn).</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	
Aug	3 rd	4 hrs.	Unit - III HF, Barton, photolysis	Definitions of photolysis,	-	-	-	-	-	-	-	-	-
			of organic hypohalites	protonolysis and their reactions.	-	-	-	-	-	-	-	-	-
Aug	4 th	4 hrs.	preparation & mech. of organoboranes	Boranes introduction	-	-	-	-	Seminar	1hr	yes	-	-
Sep	1 st	3 hrs	functional group transformation of	and explanation and differences	-	-	-	-	-	-	-	-	-
			organoboranes - oxidation, isomerisation.	btw Alkenyl, terminal, internal.	-	-	-	-	-	-	-	-	-
Sep	2 nd	4 hrs	protonolysis, carbonylation (half)	Alkynyl Boranes	-	-	-	-	-	-	-	-	-

B. S. N. Murthy
Signature of the Lecturer

B. V. Prasad
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER <u>B.S.N. Murthy</u>					CLASS: <u>II MSc. org. chem.</u> Semester: <u>III</u>				Paper: <u>III (Modern Organic synthesis-I)</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	
Sep	3 rd	4hrs	Carbonylation & Cyanoboration	-	-	-	-	-	-	-	-	-	-
			unit-IV protecting groups of alcohols	Definition of umplong character	-	-	-	-	Assignment	1hr	Yes	-	-
Sep	4 th	4hrs	Protection of 1,2 diols & amines (2 types)	-	-	-	-	-	-	-	-	-	-
	Oct	1 st	Protection of amines, COOH,	microwave technology	-	-	-	-	-	-	-	-	-
Oct	2 nd		PTC & crown ethers	introduction	-	-	-	-	-	-	-	-	-
			I - MID EXAMS.	-	-	-	-	-	-	-	-	-	-

B.S.N. Murthy
Signature of the Lecturer

B.V. Prasad
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU

CURRICULUM LECTURER WISE 2018-2019

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: <u>BH. BHUVANESWARI</u>					CLASS: <u>II-MSC. Org.chem</u>		Semester: <u>III</u>		Paper: <u>IV</u> [CHEMISTRY OF NATURAL PRODUCTS - 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	
Jun	1 st	2 hrs	UNIT - I. Structure, stereochemistry, synthesis of Morphine.		—	—	—	—	—	—	—	—	—
			Structure, stereochemistry, syn ⁿ of Strychnine.		—	—	—	—	—	—	—	—	—
July	1 st	4 hrs	Structure, stereochemistry, syn ⁿ of colchicine.		—	—	—	—	Seminar	1 hr	yes	—	—
			Structure, stereochemistry, syn ⁿ of Reserpine		—	—	—	—	—	—	—	—	—
July	2 nd	4 hrs	UNIT - II isoprene rule, isolation.		—	—	—	—	—	—	—	—	—
			Structure determination of Farnesol.		—	—	—	—	Assignment	1 hr	yes.	—	—

Ch. Bhuv
Signature of the Lecturer

B. V. Pr...
Signature of the HOD

K. K. K.
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

ANNUAL CURRICULAR					PLAN (Year)				Chemistry of Natural Products - I				
NAME OF THE LECTURER: CH. BHUVANESWARI					CLASS: II M.Sc Semester: III Paper: 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	
July	3rd	4hrs.	Stereochemistry & syn ⁿ of Farnesol		—	—	—	—	—	—	—	—	—
			Structure, Stereochemistry syn ⁿ of β -amylin		—	—	—	—	—	—	—	—	—
July	4th	4hrs.	Structure, Stereochemistry of Taxol.		—	—	—	Seminar	1hr	yes	—	—	
			Synthesis & biosynthesis of Taxol.		—	—	—	—	—	—	—	—	
July	5th	4hrs	Structure, Stereochemistry of Zingiberene		—	—	—	—	—	—	—	—	
			Synthesis & Biosynthesis of Zingiberene		—	—	—	—	—	—	—	—	

Ch. Bhuv
Signature of the Lecturer

B.V. Prasad
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018-2019

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: CH. BHUVANESWARI					CLASS: II M.Sc.		Semester: III		Paper: IV Chemistry of NPs				
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	
			Structure, Stereochemistry of Forskolin		-	-	-	-	-	-	-	-	-
Aug	1 st	4 hrs	Synthesis & Biosynthesis of Forskolin		-	-	-	-	-	-	-	-	-
			Structure, stereochemistry of Azadirachtin		-	-	-	-	Assignment	1hr	yes	-	-
			Synthesis & Biosynthesis of Azadirachtin		-	-	-	-	-	-	-	-	-
Aug	2 nd		I - MID EXAMS		-	-	-	-	-	-	-	-	-
			UNIT - III Occurrence, Nomenclature		-	-	-	-	Seminar	1hr	yes	-	-

Ch. Bhuvaneswari
Signature of the Lecturer

B. V. Prasad
Signature of the HOD

S. S. Srinivas
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU

CURRICULUM LECTURER WISE 2018-2019

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: CH: BHUVANESWARI					CLASS: II M-SC		Semester: III		Paper: IV, Chemistry of NP				
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	
Aug	2nd	4 hrs	Basic skeleton, Diel's hydro carbon & its stereochemistry		—	—	—	—	—	—	—	—	—
			Isolation, structure, synthesis of cholesterol.		—	—	—	—	—	—	—	—	—
Aug	3rd	3 hrs.	Synthesis of cholesterol		—	—	—	—	—	—	—	—	—
			Structure of Andosterone		—	—	—	—	Assignment thr	yes.	—	—	—
			synthesis of Andosterone		—	—	—	—	—	—	—	—	—
Aug	4th	4 hrs	Structure and synthesis of Testosterone		—	—	—	—	—	—	—	—	—

Ch. Bhuvan
Signature of the Lecturer

B. V. Prasad
Signature of the HOD

S. S. Reddy
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018-2019

ANNUAL CURRICULAR					PLAN (Year)							
NAME OF THE LECTURER					CLASS :	Semester :	Paper : IV, Chemistry of Natural Products					
CH. BHUVANESWARI					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
Sep	1 st	4hrs	Structure and Synthesis of Progesterone		—	—	—	—	—	—	—	—
			UNIT - IV occurrence, nomenclature & general methods.		—	—	—	—	Seminar	1hr	yes.	—
Sep	2 nd	4hrs	Isolation, Structure of Kaempferol		—	—	—	—	—	—	—	—
			Synthesis of Kaempferol		—	—	—	—	—	—	—	—
			Structure, Synthesis of Quercetin		—	—	—	—	—	—	—	—
Sep	3 rd	4hrs	Structure, Synthesis of Cyanidin.		—	—	—	—	—	—	—	—

Ch. Bhuvan
Signature of the Lecturer

B.V. Prasad
Signature of the HOD

[Signature]
Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019
PLAN (Year)

ANNUAL CURRICULAR					CO-CURRICULAR ACTIVITY							
NAME OF THE LECTURER: <u>CH. BHUVANESWART</u>					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
Sep	4 th w	4 hrs	Structure, synthesis of Genestein		—	—	—	—	—	—	—	—
			Structure, synthesis of Butein		—	—	—	—	Assignment	1hr	yes	—
			Structure, synthesis of Daidzein		—	—	—	—	—	—	—	—
Oct	1 st w	2 hrs.	BioSynthesis of flavonoids & Isoflavonoids.		—	—	—	—	—	—	—	—
					—	—	—	—	—	—	—	—
					—	—	—	—	—	—	—	—

Ch. Bhuv
Signature of the Lecturer

B.V. Prasad
Signature of the HOD

[Signature]
Signature of the Principal