

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU  
CURRICULUM LECTURER WISE 2020-2028

2020-2021 1<sup>st</sup> 5/10

ANNUAL CURRICULAR					PLAN (Year)				CO-CURRICULAR ACTIVITY			
NAME OF THE LECTURER: <u>Dr G. Ramu</u>					CLASS: <u>Inorganic 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
Jan	1 <sup>st</sup>	4 hrs	<u>Unit-1</u> Schrodinger wave equation, interpretation of wave function ' $\psi$ '	-	-	-	-	-	-	-	-	-
			Properties of wave function - Normalisation and orthogonalisation - operators (linear, non-linear commutator operators, Hermitian operator and its Properties. Eigen values and Eigen functions, setting up of operators to observable.	-	-	-	-	-	-	-	-	-
	2 <sup>nd</sup>	4 hrs		-	-	-	-	-	Seminar	1	Yes	-

Ramu  
Signature of the Lecturer

B. V. Prasad  
Signature of the HOD

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Signature of the Principal



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CURRICULUM LECTURER WISE 2020-2021

ANNUAL CURRICULAR					PLAN (Year)				CO-CURRICULAR ACTIVITY			
NAME OF THE LECTURER: D. G. Ramu					CLASS: I MSc organic chemistry Semester: I				Paper: I-General chemistry			
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	-	-	-	-	-	-	-	-	-
Jan	3 <sup>rd</sup>	4hrs	1,2,3,4,5 Postulates in detail. Simultaneous measurement of Properties and the Heisenbergs uncertainty principle	-	-	-	-	-	-	-	-	-
			Unit-II wave mechanics of Simple System with Constant Potential energy-particle in one Dimensional box	-	-	-	-	-	Assignment	1	Yes	-
Jan	4 <sup>th</sup>	4hrs	factors influencing color transition. dipole moment integral	-	-	-	-	-	-	-	-	-

  
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**CURRICULUM LECTURER WISE 2020 - 2021**

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER <i>Dr. G. Ramu</i>					CLASS: <i>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	
			<i>Symmetry arguments in deriving the selection rules</i>	-	-	-	-	-	-	-	-	-	-
			<i>The concept of tunneling particle</i>	-	-	-	-	-	<i>Assignment</i>	<i>1</i>	<i>yes</i>	-	-
<i>Feb</i>	<i>1<sup>st</sup></i>	<i>3 hrs</i>	<i>in three dimensional box-wave function Eigen values</i>	-	-	-	-	-	-	-	-	-	-
			<i>orthogonality Normalisation conditions</i>	-	-	-	-	-	-	-	-	-	-
			<i>Rigid rotator: classical and Quantum mechanical treatment.</i>	<i>How the Cartesian co-ordinates (x,y,z)</i>	-	-	-	-	-	-	-	-	-
<i>Feb</i>	<i>2<sup>nd</sup></i>	<i>2 hrs</i>	<i>wave function and its eigen value.</i>	<i>transform into spherical polar coordinates (r, <math>\theta</math>)</i>	-	-	-	-	-	-	-	-	-

*Ramu*  
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*B. V. Prasad*  
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**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE 2020 2021**

ANNUAL CURRICULAR					PLAN (Year)				CO-CURRICULAR ACTIVITY			
NAME OF THE LECTURER					CLASS : <u>I Msc organic chemistry</u> Semester : <u>1</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
Feb			wave mechanics of systems with variable potential energy									
		2hrs	Simple harmonic oscillator - solution of S.W.O Equation						Seminar	1	yes	
			Selection rules energy level diagram									
Feb	3 <sup>rd</sup>	4hrs	<u>Unit - III</u> Introduction to spectroscopy and different types of spectroscopies									
			Rotational spectra of diatomic molecules rigid rotator									

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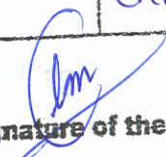
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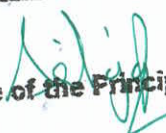


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**CURRICULUM LECTURER WISE 2020 - 2021**

ANNUAL CURRICULAR					PLAN (Year)											
NAME OF THE LECTURER: <u>Dr. G. Ramu</u>					CLASS: <u>I MSc</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				
			Selection rules Energy level diagram	-	-	-	-	-	-	-	-	-	-	-		
			calculation of bond length, Isotopic effect, Second	-	-	-	-	-	-	Assignment	1	Yes	-	-		
			order Stark effect and its application	-	-	-	-	-	-	-	-	-	-	-		
			IR Spectra of di-atomic molecules harmonic oscillator	Applications of	-	-	-	-	-	-	-	-	-	-		
			selection rules, Def of Anharmonic oscillator.	Anharmonic oscillator	-	-	-	-	-	-	-	-	-	-		
Mar	1 <sup>st</sup>		Anharmonic oscillator selection rules energy levels.	-	-	-	-	-	-	-	-	-	-	-		

  
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**CURRICULUM LECTURER WISE 2020-2021**

ANNUAL CURRICULAR					PLAN (Year)				CO-CURRICULAR ACTIVITY			
NAME OF THE LECTURER: <u>Dr. G. Ramu</u>					CLASS: <u>Dmsc organic chemistry</u> Semester: <u>D</u>				Paper: <u>D- 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
			diagram, fundamental frequency, 1st, 2nd overtones.	-	-	-	-	-	-	-	-	-
		4hrs	combination and difference bands	-	-	-	-	-	-	-	-	-
Mar	2 <sup>nd</sup>		Fermi Resonance with example. cal of force constant	-	-	-	-	-	Seminar	1	yes	-
		4hrs	anharmonicity constant	-	-	-	-	-	-	-	-	-
			Simultaneous vibrational-rotational spectra of	-	-	-	-	-	-	-	-	-
			diatomic molecules (PQR spectrum) Selection rules	-	-	-	-	-	-	-	-	-

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B. V. Prasad  
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ANNUAL CURRICULAR					PLAN (Year)										
NAME OF THE LECTURER <i>Dg G. Ramo</i>					CLASS : <i>1<sup>st</sup> Msc organic chemistry</i> Semester : <i>I</i>				Paper : <i>F - 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			
Mar	3 <sup>rd</sup>	4hrs	<u>Unit-IV</u> types of electronic transitions in organic molecules Example	-	-	-	-	-	-	-	-	-	-	-	
			Raman spectra: Stokes, anti Stokes, lines, Raman shift	-	-	-	-	-	-	-	-	-	-	-	-
			classical and quantum mechanical	-	-	-	-	-	-	Seminar	1	Yes	-	-	
Mar	4 <sup>th</sup>	4hrs	treatment of Raman effect which type of molecules exhibit	-	-	-	-	-	-	-	-	-	-	-	
			Raman spectra and what are necessary conditions	-	-	-	-	-	-	-	-	-	-	-	

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*B.V. Prasad*  
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NAME OF THE LECTURER: <u>Dr. G. Ramu</u>					CLASS: <u>Inorganic 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	
Apr	1 <sup>st</sup>	4hrs	Rotational Raman and vibrational	Applications of Pure Raman	-	-	-	-	-	-	-	-	
			Raman spectra Charge transfer spectra blue examples. Introduction to electronic spectro	Rotational & vibrational Raman spectra	-	-	-	-	-	-	-	-	-
			examples. Introduction to electronic spectro	-	-	-	-	-	-	Assignment	1	Yes	-
Apr	2 <sup>nd</sup>	2hrs	Franck Condon principle; diagrams statement explanation vibrational co-ordinate structure diagram	-	-	-	-	-	-	-	-	-	
			selection rules spectrum.	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-

Dr. G. Ramu  
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ANNUAL CURRICULAR					PLAN (Year)				CO-CURRICULAR ACTIVITY			
NAME OF THE LECTURER <i>D.S.G. Ramu</i>					CLASS : <i>Inorganic chemistry</i> Semester : <i>I</i>				Paper : <i>I - 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
			<i>Rotational fine structure - definition pervasion.</i>	-	-	-	-	-				
<i>APR</i>	<i>3<sup>rd</sup></i>	<i>2 hrs.</i>	<i>Band - Head det Band - Shading Band - origin Total spectrum, S.R diagram with explanation.</i>	-	-	-	-	-				

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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU  
CURRICULUM LECTURER WISE 20~~20~~ - 2021

PLAN (Year)

Semester : Paper : II Inorganic chemistry  
CO-CURRICULAR ACTIVITY

ANNUAL CURRICULAR

NAME OF THE LECTURER

T. Subramanyam.

CLASS :

CURRICULAR ACTIVITY

Semester :

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		
Feb	1 <sup>st</sup>	3hrs	Inorganic cage and ring compounds - Preparation Structure fractions of boranes	Explanation of tetra boranes and	-	-	-	-	-	-	-	-	-	-
Feb	2 <sup>nd</sup>	4hrs	Carboranes metallo carboranes Electron counting in boranes - used rule	penta boranes	-	-	-	-	-	-	-	-	-	-
			12/1/23 to 18/1/23	←	Sanbranthi Holidays				-	-	-	-	-	-
Feb	3 <sup>rd</sup>	4hrs	Hetero cyclic inorganic ring systems; Boron Nitrogen ( $N_2B_2N_2H_2$ ),	-	-	-	-	-	-	-	-	-	-	-
			phosphorous-Nitrogen ( $N_2P_2O_6$ ) and Sulphur-Nitrogen, cyclic compounds.	-	-	-	-	-	-	Assignment	1hr	yes	-	-
Feb	4 <sup>th</sup>	4hrs	Cage compounds - phosphorous Oxides phosphorous Sulphides isopoly heteropoly anions	-	-	-	-	-	-	-	-	-	-	-

T. Subramanyam  
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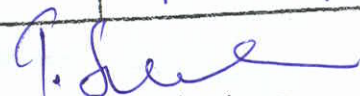
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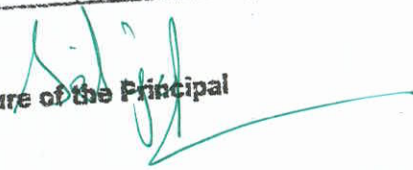


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**CURRICULUM LECTURER WISE 2020 - 2021**

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER					CLASS :			Semester :		Paper : <u>III Inorganic Chemistry</u>			
T. Subramanyam					I.M.Sc			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	
Mar	1 <sup>st</sup>	3hrs	Coordination compounds - crystal field theory - Crystal field splitting pattern in octahedral	Definitions of the terms used in	-	-	-	-	-	-	-	-	
Mar	2 <sup>nd</sup>	4hrs	tetrahedral, tetragonal, square planar, sawtooth, pyramidal, trigonal bipyramidal	Coordination Chemistry s/d rule EAN rule	-	-	-	-	-	-	-	-	
			geometries Calculation of CFSE. Factors affecting CFSE - Spectrochemical series	-	-	-	-	-	-	-	-	-	
Mar	3 <sup>rd</sup>	4hrs	Jahn-Teller effect nephelauxetic effect - ligand field theory	-	-	-	-	-	Seminar	4hrs	yes	-	
			Term Symbols Russell - Saunders Coupling - derivation	-	-	-	-	-	-	-	-	-	
Mar	4 <sup>th</sup>	4hrs	of term symbols for various configurations spectroscopic states	-	-	-	-	-	-	-	-	-	

  
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**CURRICULUM LECTURER WISE 2020-2021**

ANNUAL CURRICULAR					PLAN (Year)							
NAME OF THE LECTURER: <u>T. Subramanyam</u>					CLASS: <u>I M.Sc</u> Semester: <u>I</u>				Paper: <u>II Inorganic 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
APR	1 <sup>st</sup>	4hrs	Electronic spectra of transition metal complex Types Electronic transitions metal and	Explanation of transition metal band	-	-	-	-	Assignment	1hr	yes	-
			-d-d transitions Selection rules break down selection T-S diagram	Variations Oxidation states	-	-	-	-				
APR	2 <sup>nd</sup>	2hrs	for d <sup>1</sup> -d <sup>9</sup> octahedral and tetrahedral transition of 3d series	-	-	-	-					
			Calculating $\Delta_o$ , $\Delta_t$ & $\beta$ parameters Charge transfer spectra	-	-	-	-					
APR	3 <sup>rd</sup>	2hrs	Magnetic properties of transition & inner transition-metal Spin and	-	-	-	-					
			Orbital moments Quenching of orbital momentum by Crystal Fields in complexes	-	-	-	-					

T. Subramanyam  
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NAME OF THE LECTURER					CLASS :	Semester :	Paper :					
NAME OF THE LECTURER					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
Jan	1 <sup>st</sup>	4hrs	Preparation and properties of quinoline	Uses of quinoline	-	-	-	-	-	-	-	-
			Preparation and properties of Isoquinoline	Uses of Isoquinoline	-	-	-	-	-	-	-	-
Jan <sup>n</sup>	2 <sup>nd</sup>	4hrs	Electronic effect and reactive intermediate mesomeric effects, Hyper	-	-	-	-	-	-	-	-	-
			Conjugation, steric effect, Tautomerism, reactivity of carbocations and carbanions	-	-	-	-	-	-	-	-	-
			Preparation and properties of pyrazole	Uses of pyrazole	-	-	-	-	-	-	-	-
Jan	3 <sup>rd</sup>	3hrs	Preparation and properties of oxazole	Uses of oxazole	-	-	-	-	-	-	-	-

*B. V. Pushima*  
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CURRICULUM LECTURER WISE 2020-2021

ANNUAL CURRICULAR					PLAN (Year)				CO-CURRICULAR ACTIVITY			
NAME OF THE LECTURER: <u>B. V. Praveena</u>					CLASS: <u>I (Msc) - (Org)</u> Semester: <u>I</u>				Paper: <u>IV Organic 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
			properties & synthesis of Isooxazole and pyrazole	uses of pyrazole	-	-	-	-	-	-	-	-
JAN	4 <sup>th</sup>	3hrs	Synthesis and properties of Imidazole	-	-	-	-	-	-	-	-	-
			pyridazine, pyrimidine pyrazine	-	-	-	-	-	-	-	-	-
Feb	1 <sup>st</sup>	2hrs	Reactivity of free radicals, carbene, nitrenes & arynes.	-	-	-	-	-	-	-	-	-
			Criteria for aromaticity Huckel's rule & MO theory, aromaticity	will be shown MO theory of Aromaticity	-	-	-	-	-	-	-	-
Feb	2 <sup>nd</sup>	2hrs	in benzenoid and non benzenoid compounds in charged and fused ring system.	PPT presentation.	-	-	-	-	Assignments on Aromaticity.	-	-	-

B. V. Praveena  
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ANNUAL CURRICULAR PLAN (Year)					CURRICULAR ACTIVITY									
NAME OF THE LECTURER					CLASS : <u>I MSc (Org)</u>				Semester : <u>I</u>			Paper : <u>III (Organic 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		
Feb	3 <sup>rd</sup>	4hrs	Heteroaromatic system Annulenes, cyclobutadiene	-	-	-	-	-	-	-	-	-		
			Benzene 1,3,5,7-cyclooctatetraene [10] Annulene [12]	-	-	-	-	-	-	-	-	-		
Feb	4 <sup>th</sup>	2hrs	[14] [16] and [18] Fullerenes, fullerenes, ferrocene anti-tumor	structures and uses of fullerenes	-	-	-	-	-	-	-	-		
			Synthesis of Atropine, Nicotine	-	-	-	-	-	-	-	-	-		
Mar	1 <sup>st</sup>	3hrs	and quinine isolation and structure elucidation	-	-	-	-	-	-	-	-	-		
			Synthesis and biogenesis of $\alpha$ -Terpenol	uses of $\alpha$ -Terpenol.	-	-	-	-	-	-	-	-		

B. V. Prasad  
Signature of the Lecturer

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

ANNUAL CURRICULAR					PLAN (Year)				Paper: III Organic Chemistry			
NAME OF THE LECTURER K. SATHA Dr. B. Valli Purvima D. DAMYA					CLASS: I MSc Semester: 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
			Inductive & Mesomeric effect Hyper conjugation	Inductive effect application	-	-	-	-	-	-	-	-
Mar	2 <sup>nd</sup>		Steric effect tautomerism reaction intermediate	-	-	-	-	-	Student seminar on Aromaticity	01	yes	-
		2hrs	Synthesis and biogenesis of $\alpha$ -Terpenol	-	-	-	-	-	-	-	-	-
			$\alpha$ -pinene and camphor	Uses of camphor.	-	-	-	-	-	-	-	-
Mar	3 <sup>rd</sup>	3hrs	molecular symmetry and chirality, symmetry	-	-	-	-	-	-	-	-	-
			elements, classification of stereoisomers, enantiomers	-	-	-	-	-	Debate on enantiomers and Diastereomers	01	yes	-

*B. V. Purvima*  
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*N. Sridhar*  
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ANNUAL CURRICULAR					PLAN (Year)									
NAME OF THE LECTURER					CLASS : I (Msc) - 099				Semester : I		Paper : IIP 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		
			Diastomers, Involomer, Homomer, Epimer, Anomer	Examples of epimers and Anomer	-	-	-	-	-	-	-	-	-	-
Mar	4 <sup>th</sup>		Configuration and Conformation DL & RS Nomenclature		-	-	-	-	-	-	-	-	-	-
		4hrs	Tetra and Tri Coordinate chiral Centre.		-	-	-	-	-	-	-	-	-	-
			Geometrical isomerism cis-trans E, Z & syn and anti		-	-	-	-	-	-	-	-	-	-
Apr	1 <sup>st</sup>		Geometrical isomers methods cis trans interconversion.		-	-	-	-	-	-	-	-	-	-
		2hrs	prochirality and prosteroisomerism Homotopic ligands		-	-	-	-	-	-	-	-	-	-

*B. V. Prasad*  
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 2020-2021**

ANNUAL CURRICULAR					PLAN (Year)							
NAME OF THE LECTURER					CLASS :	Semester :	Paper : <i>W (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
		2hrs	and Faces Stereo isomerism in molecules without	-	-	-	-	-	-	-	-	-
APR	2 <sup>nd</sup>		Chiral centre. Axial chirality alkenes Alkyldiene & cyclo	-	-	-	-	-	-	-	-	-
			alkanes, Atrop isomerism, Bi phenyl derivatives	-	-	-	-	-	-	-	-	-
		4hrs	Planar chirality Ansa compounds trans cyclo octene and Helicity	Remedial class.	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-

*B. V. Prerna*  
Signature of the Lecturer

*B. V. Prerna*  
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*[Signature]*  
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**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE 2020-2021**

ANNUAL CURRICULAR					PLAN (Year)							
NAME OF THE LECTURER: <u>Dr. G.R. Satyanarayana</u>					CLASS: <u>I-Msc org.chem</u> Semester: <u>I</u> Paper: <u>Physical 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
JAN	1 <sup>st</sup>		<u>UNIT-I</u> Introduction to Thermodynamics	Basic terms used in TD	-	-	-	-	-	-	-	-
		4hrs	concept of Partial molar properties	& their symbols Relations among	-	-	-	-	-	-	-	-
			Partial molar volume and its significance	Various theorem Properties	-	-	-	-	-	-	-	-
JAN	2 <sup>nd</sup>		Determination of Partial molar volume by		-	-	-	-	Assignment	1	Yes	-
		4hrs	Graphical method derivation, Intercept		-	-	-	-	-	-	-	-
			method - derivation, apparent molar volume method.		-	-	-	-	-	-	-	-

G.R. Satyanarayana  
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B.V. Prasad  
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**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE 2020-2021**

**PLAN (Year)**

Semester : \_\_\_\_\_ Paper : Physical chemistry  
 CO-CURRICULAR ACTIVITY

**'ANNUAL CURRICULAR**

NAME OF THE LECTURER

Dr G.P. Satyanarayana

CLASS :

CURRICULAR ACTIVITY

Semester :

Paper : Physical 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	
			Partial molar free energy - chemical potential, variation of $\mu$ with T and P.	-	-	-	-	-	-	-	-	-	-
			Gibbs Duhem eqn derivation, significance	-	-	-	-	Seminar	1	Yes	-	-	-
		4hrs	Phase equilibria & derivation of Gibbs phase rule. Ideal & non-ideal solutions	-	-	-	-	-	-	-	-	-	-
			Thermodynamic props of mixing of ideal sol <sup>ns</sup>	-	-	-	-	-	-	-	-	-	-
			Vapour pressure - Raoult's law and	-	-	-	-	-	-	-	-	-	-
			Hensley's law. Concept of fugacity and activity, its coeffic	-	-	-	-	-	-	-	-	-	-
JAN	3 <sup>rd</sup>												
JAN	4 <sup>th</sup>	3hrs											

A. K. Satyanarayana  
 Signature of the Lecturer

B. V. Prasad  
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**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE 20<sup>20</sup> - 2021**

ANNUAL CURRICULAR					PLAN (Year)									
NAME OF THE LECTURER					CLASS :				Semester :		Paper : <u>II physical chemistry</u>			
NAME OF THE LECTURER					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		
			Determination of fugacity · Determination of activity coefficient	-	-	-	-	-	-	-	-	-		
Feb	1 <sup>st</sup>	3hrs	from vapour pressure method and Gibbs-Duhem equation.	-	-	-	-	-	-	-	-	-		
			chemical equilibrium van't Hoff · Isotherm van't Hoff isochore	-	-	-	-	-	-	-	-	-		
			<u>UNIT -II</u> Surface active agents classification of S.A.A	-	-	-	-	-	Assignment	1	Yes	-		
Feb	2 <sup>nd</sup>	4hrs	Definition of micelles and macromolecules. micellisation.	-	-	-	-	-	-	-	-	-		
			Hydrophobic interaction, critical micellar concentration (CMC).	-	-	-	-	-	-	-	-	-		

G.R. Saffar  
Signature of the Lecturer

B.V. Prins  
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S. S. S. S.  
Signature of the Principal



**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE 20<sup>20</sup>-2021**

**PLAN (Year)**

Semester: \_\_\_\_\_ Paper: II physical chemistry  
 CO CURRICULAR ACTIVITY

**'ANNUAL CURRICULAR**

NAME OF THE LECTURER: Dr. G. R. Sathyanarayana

CLASS: \_\_\_\_\_

**CURRICULAR ACTIVITY**

MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	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.	-	-	-	-	-	-	-	-	-	-	-
Feb	3 <sup>rd</sup>		phase separation and mass-action models, Solubilization	Definitions of phase,	-	-	-	-	-	-	-	-	-	-
			Micro Emulsion, reverse micelles.	number of components.	-	-	-	-	-	Seminar	1	Yes	-	-
		1hrs	Polymers - definition types of polymers. polymerisation -	Examples of different types of polymerisation	-	-	-	-	-	-	-	-	-	-
Feb	4 <sup>th</sup>	2hrs	classification. electrical conducting, fibre resistance, liquids	-	-	-	-	-	-	-	-	-	-	-

G. R. Sathyanarayana  
 Signature of the Lecturer

B. V. ...  
 Signature of the HOD

[Signature]  
 Signature of the Principal



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

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER <i>Dr. G.R. Satyanarayana</i>					CLASS : <i>IMSc</i>	Semester :	Paper : <i>10 physical 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>Crystal polymers.</i>	-	-	-	-	-	-	-	-	-	-
<i>Mar</i>	<i>1<sup>st</sup></i>		<i>Number and weight average molecular weight definition</i>	-	-	-	-	-	-	<i>Assignment</i>	<i>1</i>	<i>Yes</i>	-
			<i>molecular weight determination by osmometry, viscometry</i>	-	-	-	-	-	-	-	-	-	-
			<i>M.W. determination by ultracentrifugation</i>	-	-	-	-	-	-	-	-	-	-
		<i>4hrs</i>	<i>method, light scattering methods.</i>	-	-	-	-	-	-	-	-	-	-
			<i>UNIT - (1) Introduction to chemical kinetics</i>	-	-	-	-	-	-	-	-	-	-

*G.R. Satyanarayana*  
Signature of the Lecturer

*B.V. Prasad*  
Signature of the HOD

*[Signature]*  
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**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE 20<sup>20</sup>-2021**

**PLAN (Year)**

ANNUAL CURRICULAR					CLASS :				Semester :				Paper : <u>II physical chemistry</u>			
NAME OF THE LECTURER <u>Dr. G.R. Satyanarayana</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				
Mar	2 <sup>nd</sup>	3hrs	Theories of react <sup>n</sup> rates collision theory - Limitations, derivations	Definitions of rate of react <sup>n</sup> rate const.	-	-	-	-	-	-	-	-				
			Transition state theory: Thermodynamic and statistical	& the mathematical expression for 1 <sup>st</sup> , 2 <sup>nd</sup>	-	-	-	-	-	-	-	-				
			derivation of rate constants. Definition of ionic strength	and 3 <sup>rd</sup> order reactions.	-	-	-	-	Assignment	1	Yes	-				
Mar	3 <sup>rd</sup>		Debye-Huckel theory: explanation	-	-	-	-	-	-	-	-	-				
			Primary and secondary salt effects.	-	-	-	-	-	-	-	-	-				
		2hrs	Double sphere model! Effect of dielectric const	-	-	-	-	-	-	-	-	-				

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

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER <i>Dg. G.R. Satyanarayana</i>					CLASS : <i>I.M.Sc.</i>			Semester : <i>I</i>		Paper : <i>10 physical 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>Effect of substituents Hammett eq<sup>n</sup>-limitati- ons, Taft equation</i>	-	-	-	-	-	-	-	-	-	-
<i>Mar</i>	<i>3<sup>rd</sup></i>		<i>Rate constants of consecutive reac<sup>n</sup> Parallel reactions.</i>	-	-	-	-	-	-	<i>Seminar</i>	<i>1</i>	<i>Yes</i>	-
			<i>opposing reactions, General &amp; specific</i>	-	-	-	-	-	-	-	-	-	-
		<i>2hrs</i>	<i>Acid-Base catalysis. Skralal diagram. fast reactions.</i>	-	-	-	-	-	-	-	-	-	-
<i>Mar</i>	<i>4<sup>th</sup></i>		<i>flow methods for studying fast reac<sup>n</sup>s</i>	-	-	-	-	-	-	-	-	-	-
			<i>Relaxation methods !Temperelure jump and pressure</i>	-	-	-	-	-	-	-	-	-	-
		<i>3hrs</i>		-	-	-	-	-	-	-	-	-	-

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

**PLAN (Year)**

Paper : physical chemistry  
 CO-CURRICULAR ACTIVITY

ANNUAL CURRICULAR					CURRICULAR ACTIVITY							
NAME OF THE LECTURER <u>Dr. G.P. Satyanarayana</u>					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
			<u>Jump methods.</u> <u>UNIT - II</u>	-	-	-	-	-	-	-	-	-
			<u>Introduction to Photochemistry.</u>	<u>Definitions of fluorescence,</u>	-	-	-	-	-	-	-	-
			<u>Frank-Condon Principle. Singlet</u>	<u>Phosphorescence and their applications.</u>	-	-	-	-	-	-	-	-
<u>Apr</u>	<u>1<sup>st</sup></u>		<u>Triplet states.</u>		-	-	-	-	-	-	-	-
			<u>Jablonski diagram</u>		-	-	-	-	-	-	-	-
			<u>Spin-orbit interaction</u>		-	-	-	-	-	-	-	-
			<u>Quantum yield, reasons for</u>		-	-	-	-	-	-	-	-
		<u>2hrs</u>	<u>low and high Q.Y</u>		-	-	-	-	-	-	-	-
			<u>Experimental determination.</u>		-	-	-	-	-	-	-	-
			<u>Actinometer - ferrous sulfate and</u>		-	-	-	-	-	-	-	-

G.P. Satyanarayana  
 Signature of the Lecturer

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 Signature of the Principal



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

**PLAN (Year)**

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

CLASS :

Semester :

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	
			Uranyl oxalate actinometer	-	-	-	-	-	-	-	-	-	-
		2hrs	Deviation of fluorescence and phosphorescence quantum yields.	-	-	-	-	-	-	-	-	-	-
			Quenching effect Stern - Volmer eq <sup>n</sup> .	-	-	-	-	-	-	-	-	-	-
APR	2 <sup>nd</sup>		Deviation, S.V. constant, deviations	-	-	-	-	-	-	-	-	-	-
		2hrs	Delayed fluorescence :- E-TYPE & P-TYPE	-	-	-	-	-	-	-	-	-	-

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

ANNUAL CURRICULAR					PLAN (Year)							
NAME OF THE LECTURER: <u>Dr. G.R. Sotyanarayana</u>					CLASS :	Semester :	Paper : <u>II physical 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
			Types of photo chemical reactions	-	-	-	-	-	-	-	-	-
APR	3 <sup>rd</sup>		photodissociation or photo fragmentation	-	-	-	-	-	-	-	-	-
		3hrs	Photo addition reactions and isomerisation reactions mechanisms with examples.	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-

G.R. Sotyanarayana  
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Signature of the HOD

[Signature]  
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2020-2021 3<sup>rd</sup> sem

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

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: <u>Ch. Bhuvaneshwari</u>					CLASS: <u>II MSc organic chem</u>				Semester: <u>III</u>		Paper: <u>ICOR 1 &amp; 2 (organic)</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	I <sup>st</sup>	4hrs	<u>UNIT - I</u> NGIP by Bromine, phenyl, $\sigma$ II, cyclopro	Definition of NGIP and its	-	-	-	-	-	-	-	-	-
			-pyl group, SN at allylic carbon	types. Definition of	-	-	-	-	-	-	-	-	-
	II	4hr	SN at alphaic carbon, $\alpha$ phenylic carbon,	electrophile Nucleophile	-	-	-	-	seminars	1hr	yes	-	-
			Ambident nucleophiles, Hyd.	and their uses in the	-	-	-	-	-	-	-	-	-
	III	3hrs	of esters	reactions.	-	-	-	-	-	-	-	-	-
			Mech. of esterification of COOH with DCC,	-	-	-	-	-	-	-	-	-	-

Ch. Bhuvaneshwari  
Signature of the Lecturer

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

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: <i>ch. Bhuvaneshwari</i>					CLASS: <i>B.A.Sc (Organic Chem)</i> Semester: <i>III</i>				Paper: <i>I (OR) II &amp; Pericyclic Rea<sup>n</sup></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>IV</i>	<i>4hr</i>	<i>Mayer's syn. of alds, ketones &amp; COOH</i>	—	—	—	—	—	—	—	—	—	—
			<i>Mitsunobu react<sup>n</sup> von, Braun react<sup>n</sup></i>	—	—	—	—	—	<i>Assignment</i>	<i>1hr</i>	<i>yes</i>	—	—
<i>Dec</i>	<i>I</i>	<i>4hr</i>	<i>se<sup>+</sup>, sel<sup>+</sup>, se<sup>+</sup>, H<sup>+</sup> as electrophile, HVZ</i>	<i>Discussion of electrophile</i>	—	—	—	—	—	—	—	—	—
			<i>Migration of double bonds, N<sup>-</sup></i>	<i>Nucleophile substitution</i>	—	—	—	—	—	—	—	—	—
	<i>II</i>	<i>4hr</i>	<i>Halogen e<sup>+</sup>, ald<sup>+</sup> &amp; ketones, Sulphoxides</i>	<i>&amp; elimination reactions</i>	—	—	—	—	—	—	—	—	—
			<i>Sulphones, diazo coupling, diazo transfer</i>	<i>with their applications</i>	—	—	—	—	<i>Seminar</i>	<i>1hr</i>	<i>yes</i>	—	—

*ch. Bhuvaneshwari*  
Signature of the Lecturer

*B.V. Prasad*  
Signature of the HOD

*[Signature]*  
Signature of the Principal



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**CURRICULUM LECTURER WISE 2020-2021**  
**PLAN (Year)**

ANNUAL CURRICULAR					CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY			
NAME OF THE LECTURER: <u>Ch. Bhuvaneshwari</u>					CLASS: <u>II.M.Sc. org.chem</u> Semester: <u>II</u>				Paper: <u>I (OR) 9. Performance based</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
	<u>III</u>	<u>3hrs</u>	<u>rearr, decarboxylation of aliphatic</u>	—	—	—	—	—	—	—	—	—
			<u>acids, Dakin west, Hoffer Baerwald</u>	—	—	—	—	—	—	—	—	—
	<u>IV</u>	<u>4hr</u>	<u>unit - II</u> <u>topology, nomen</u>	<u>introduction of stereochem</u>	—	—	—	—	<u>Assignment</u>	<u>1hr</u>	<u>yes</u>	—
			<u>-classical rules, analytical methods</u>	<u>-stereosymmetry, of asymmetry</u>	—	—	—	—	—	—	—	—
<u>Jan</u>	<u>I</u>	<u>4hr</u>	<u>stereoselectivity, e.e.%, p.e.%,</u>	<u>ASymmetry of production</u>	—	—	—	—	—	—	—	—
			<u>optical purity, specific rotation</u>	<u>types, uses</u>	—	—	—	—	—	—	—	—

Ch. Bhuvaneshwari  
Signature of the Lecturer

B.V. Purima  
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**CURRICULUM LECTURER WISE 2020-2021**

ANNUAL CURRICULAR					PLAN (Year)									
NAME OF THE LECTURER: <u>Ch. Bhuvaneshwari</u>					CLASS: <u>II M.Sc. (Organic Chem)</u> Semester: <u>III</u>				Paper: <u>I CORRELATION OF 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		
	II	4hr	Chiral NMR, solvent reagents, HPLC & chiral derivatizing agents.	chemoselectivity & regio selectivity	—	—	—	—	—	—	—	—	—	—
					—	—	—	—	Seminar	1hr	yes	—	—	—
	III	3hr	Revision for I mid exams	—	—	—	—	—	—	—	—	—	—	—
			I mid exams	—	—	—	—	—	—	—	—	—	—	—
Feb	I	4hr	Unit - III MOF, orbital symmetry	Introduction of pericyclic	—	—	—	—	—	—	—	—	—	—
			frad of ethylene & 3 Butadiene	reactions & their types	—	—	—	—	Assignment	1hr	yes	—	—	—

Ch. Bhuvaneshwari  
Signature of the Lecturer

B. V. Laxma  
Signature of the HOD

[Signature]  
Signature of the Principal



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

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: <u>Ch. Bhuvaneshwari</u>					CLASS: <u>II M.Sc (Organic Chem)</u> Semester: <u>III</u>				Paper: <u>2 (ORG-18) Descriptive</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	
	<u>I</u>	<u>4hr</u>	<u>1,3,5 Hexatriene allyl system</u>	<u>and how they are</u>	-	-	-	-	-	-	-	-	-
			<u>4n+2 electrocyclic rears</u>	<u>formed with some examples</u>	-	-	-	-	-	-	-	-	-
	<u>II</u>	<u>4hr</u>	<u>cyclo addition rears (2+2) addition of ketenes, allyl system</u>	-	-	-	-	-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-
	<u>III</u>	<u>3hr</u>	<u>chelotropic rears suprafacial, Anta</u>	-	-	-	-	-	-	-	-	-	-
			<u>facial terms, Woodward rules</u>	-	-	-	-	-	-	-	-	-	-

Ch. Bhuvaneshwari  
Signature of the Lecturer

B.V. Praveena  
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**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE 2020 - 2021**  
**PLAN (Year)**

ANNUAL CURRICULAR					PLAN (Year)							
NAME OF THE LECTURER					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
									semproor	1hr	yes	—
Mar	I	4hr	UNIT-IV P <sub>1</sub> AO & P <sub>2</sub> AO	Introduction of types of solutions & shifts	—	—	—	—	—	—	—	—
			sgmatropic shifts	Explanation of (1,3)CIS shifts.	—	—	—	—	—	—	—	—
			3 named reactions elaisen, cope,	Diels & Alder reaction	—	—	—	—	—	—	—	—
	II	4hr	Booster, carbon nucleophiles.	—	—	—	—	—	—	—	—	—
			(REV) II MID exams	—	—	—	—	—	—	—	—	—
			REVISION OF Q.P.	—	—	—	—	—	—	—	—	—

*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 2020-2021

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER <b>Dr. B. VALLI PURNIMA</b>					CLASS : <b>II. M.Sc. Org. Chem</b>			Semester : <b>III</b>		Paper : <b>II [ORGANIC SPECTROSCOPY-2]</b>			
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	
<b>NOV</b> <del>Dec</del>	<b>2<sup>nd</sup></b>	<b>4hr</b>	<b>UNIT-2, B) Calculation of <math>\lambda_{max}</math> values using Woodward fieser rules.</b>		-	-	-	-	-	-	-	-	-
			<b><math>\lambda_{max}</math> values using Woodward fieser rules</b>		-	-	-	-	-	<b>Seminar</b>	<b>1hr</b>	<b>yes</b>	-
			<b>B) applications, solvent effects, geometrical isomerism.</b>		-	-	-	-	-	-	-	-	-
<b>NOV</b> <del>Dec</del>	<b>3<sup>rd</sup></b>	<b>5hr</b>	<b>B) Calculation of <math>\lambda_{max}</math> values using Woodward fieser rules.</b>		-	-	-	-	-	-	-	-	-
			<b>acid &amp; base effects. A) Beer-Lambert's law - Instrumentation</b>		-	-	-	-	-	<b>Assignment</b>	<b>1hr</b>	<b>yes</b>	-
			<b>Energy transitions, chromophores - Auxo-chrome.</b>		-	-	-	-	-	-	-	-	-

**B. V. Purnima**  
Signature of the Lecturer

**B. V. Purnima**  
Signature of the HOD

**S. Raju**  
Signature of the Principal



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

ANNUAL CURRICULAR					PLAN (Year)							
NAME OF THE LECTURER					CLASS :	Semester :	Paper :					
Dr. B. Valli purnima					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 <del>DEC</del>	4 <sup>th</sup>	4h	Absorption shifts, u.v absorption of Alkenes - polyenes.		—	—	—	—	—	—	—	—
Dec	1 <sup>st</sup>	5hr.	UNIT-II. A) Fundamental modes of vibrations, factors affecting vibrational freqn.		—	—	—	—	—	—	—	—
			Hydrogen Bonding, mechanics of measurement		—	—	—	—	—	—	—	—
Dec	2 <sup>nd</sup>	3h	B) Finger print region, importance, typical group freqn's -CH, -OH, N-H, CC-CO and aromatic systems - Applications.		—	—	—	—	Seminar	1hr	yes	—
					—	—	—	—	—	—	—	—
Dec	3 <sup>rd</sup>	4h	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 2020 - 2021**

ANNUAL CURRICULAR					PLAN (Year)							
NAME OF THE LECTURER: <u>D. V. Valli purnima</u>					CLASS: <u>II MSc</u>		Semester: <u>II</u>		Paper: <u>II [Organic spectroscopy - 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
Dec Jan	4 <sup>th</sup>	3h	IR - Simple problems.		—	—	—	—	Assignment	1hr	yes	—
Jan	1 <sup>st</sup>	4h	UNIT - A. Calculation of $\lambda_{max}$ values using Woodward-fiesher rules, (Revision) IR - problems.		—	—	—	—	—	—	—	—
			Woodward-fiesher rules, (Revision) IR - problems.		—	—	—	—	—	—	—	—
Jan	2 <sup>nd</sup>	4h	Mid - Exams		—	—	—	—	—	—	—	—
Jan	4 <sup>th</sup>	5h	UNIT - III. A) Basic principle of NMR, Instrumentation		—	—	—	—	Seminar	1hr	yes	—
			B) shielding & deshielding, chemical shift & measurements.		—	—	—	—	—	—	—	—

B. V. Purnima  
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**CURRICULUM LECTURER WISE 2020-2021**

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: <u>Dr. B. Valli purnima</u>					CLASS: <u>MCC</u>	Semester: <u>II</u>	Paper: <u>Organic Spectroscopy</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	
Feb	1st	4h	Factors influencing chemical shift, spin-spin interactions - factors influencing.		-	-	-	-	-	-	-	-	-
Feb	2nd	5hr	Coupling constant ① C-NMR, similarities & difference of PMR & CMR, typical examples of CMR spectroscopy - simple system.		-	-	-	-	-	Assignment	1hr	yes	-
Feb	3rd	3h	UNIT-IV. ② EI, CI, ES, MALDI, FAB,		-	-	-	-	-	-	-	-	-
Feb	4th	6hr.	③ molecular ion peak, meta stable peak, base peak, factors affecting fragmentation		-	-	-	-	-	Seminar	1hr	yes	-

B.V. Purnima  
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**CURRICULUM LECTURER WISE 2020-2021**

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: <u>Dr. B. Valli Pusdima</u>					CLASS: <u>II MSc</u>			Semester: <u>III</u>		Paper: <u>Organic Spectroscopy-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	
			<u>Mc lafferty rearrangement, nitrogen rule.</u>		-	-	-	-	-	-	-	-	-
<u>Mar</u>	<u>1st</u>		<u>II-MID-EXAMS</u>		-	-	-	-	-	-	-	-	-
<u>Mar</u>	<u>2nd</u>	<u>3hr.</u>	<u>Examples of mass spectral fragmentation of organic compounds problems.</u>		-	-	-	-	-	-	-	-	-
			<u>Revision.</u>		-	-	-	-	-	-	-	-	-

B. V. Pusdima  
Signature of the Lecturer

B. V. Pusdima  
Signature of the HOD

[Signature]  
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**CURRICULUM LECTURER WISE 2020 - 2021**

ANNUAL CURRICULAR					PLAN (Year)											
NAME OF THE LECTURER					CLASS : II . M.Sc. org. chem.				Semester : III				Paper : III (Modern org. syn).			
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	I	4hr	Unit - III HLF, Boston photolysis	Definitions of photolysis.	-	-	-	-	-	-	-	-	-	-		
	II	3hr	of organic hypohalites.	protonolysis and their reactions.	-	-	-	-	-	-	-	-	-	-		
			preparations & mech. of organoboranes	Boranes introduction	-	-	-	-	Seminar	1hr	Yes	-	-	-		
	III	3hr	functional group transformation of	and explanation and differences	-	-	-	-	-	-	-	-	-	-		
	IV	4hr	organoboranes - oxidation, Isomerisation	blw Alkyl, terminal, internal	-	-	-	-	-	-	-	-	-	-		
			protonolysis, carbonylation (half)	Alkyl Boranes.	-	-	-	-	-	-	-	-	-	-		

*[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 2020-2021**

ANNUAL CURRICULAR					PLAN (Year)				CO-CURRICULAR ACTIVITY			
NAME OF THE LECTURER					CLASS : <u>II M.Sc (org. chem)</u> Semester : <u>III</u>				Paper : <u>III (modern org. synthesis)</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
Dec	I	4hr	carbonylation & cyanooxidation.	-	-	-	-	-	-	-	-	-
	II	3hr	protecting groups of alcohols	definition of umpulung character.	-	-	-	-	Assignment	1hr	Yes.	-
			protection of 1,2 diols & amines (2 types)	-	-	-	-	-	-	-	-	-
	III	4hr	protection of amines, COOH,	micro wave technology	-	-	-	-	-	-	-	-
	IV	4hr	PTC & crown ethers	introduction	-	-	-	-	-	-	-	-
Jan	I	4hr	I-MID examy.	-	-	-	-	-	-	-	-	-

*B. S. N. Muthi*  
Signature of the Lecturer

*B. V. Purna*  
Signature of the HOD

*[Signature]*  
Signature of the Principal



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

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: <u>Dr. B.S.N. Murthy</u>					CLASS: <u>II M.Sc (Org. Chem)</u> , Semester: <u>III</u>				Paper: <u>III (Modern organic synthesis)</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	
	<u>I</u>	<u>4hr</u>	<u>Unit-I.</u> <u>Aldol reaction, Zimmerman</u> <u>Traxler Model.</u>	<u>endate &amp;</u> <u>its formation,</u>	-	-	-	-	-	-	-	-	-
	<u>III</u>	<u>3hr</u>	<u>Stork enamine reaction</u> <u>&amp; its applications</u>	<u>Aldol reaction</u> <u>introduction</u>	-	-	-	-	<u>Seminar</u>	<u>1hr</u>	<u>Yes</u>	-	-
	<u>IV</u>	<u>4hr</u>	<u>Baylith'sman reaction.</u>	<u>of coupling</u> <u>reaction &amp;</u>	-	-	-	-	-	-	-	-	-
<u>Feb</u>			<u>org. palladium chem.</u> <u>org. copper chem.</u>	<u>its types</u>	-	-	-	-	-	-	-	-	-
	<u>I</u>	<u>4hr</u>	<u>org. sulphur chem.</u> <u>carbenes &amp; carbonyls</u>	-	-	-	-	-	-	-	-	-	-
	<u>II</u>	<u>3hr</u>	<u>Unit-II</u> <u>E1 &amp; E2 reactions with</u> <u>3 rules.</u>	-	-	-	-	-	<u>Assignment</u>	<u>1hr</u>	<u>Yes</u>	-	-

B.S.N. Murthy  
Signature of the Lecturer

B.V. Prasad  
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[Signature]  
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**CURRICULUM LECTURER WISE 2020 - 2021**

ANNUAL CURRICULAR					PLAN (Year)				CO-CURRICULAR ACTIVITY			
NAME OF THE LECTURER					CLASS : II MSc (org. chem) Semester : III				Paper : III (modern organic synthesis)			
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
	III	4hr	Pyrolytic Syn elimination reaction.	Definitions of elimination reactions &	-	-	-	-	-	-	-	-
	IV	4hr	Sulphoxide-sulphenate rearrangement.	its types	-	-	-	-	-	-	-	-
Mar			5 named reactions metalthesis &	-	-	-	-	-	Seminar	1hr	Yes.	-
	I	4hr	Grubbs catalyst & 2 types of reagents.	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-

*B. S. N. Muthi*  
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 2020-2021**

ANNUAL CURRICULAR					PLAN (Year)				CO-CURRICULAR ACTIVITY			
NAME OF THE LECTURER: <u>B. V. Ch. Bhuvaneshwari</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	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date
NOV	I	4hr	<u>UNIT-I</u> Structure, Stereochemistry, Synthesis of Morphine.		—	—	—	—	—	—	—	—
			Structure, Stereochemistry; syn <sup>n</sup> of Strychnine.		—	—	—	—	—	—	—	—
	II	4hr	Structure, Stereochemistry, Syn <sup>n</sup> of Edchine.		—	—	—	—	Seminar	1hr	yes	—
	III	3hr	Structure, Stereochemistry, Syn <sup>n</sup> of Reserpine.		—	—	—	—	—	—	—	—
	IV	4hr	<u>UNIT-II</u> Isoprene rule, Isolation		—	—	—	—	—	—	—	—
			Structure determination of Farnesol		—	—	—	—	Assignment	1hr	yes	—

B. V. Ch. Bhuvaneshwari  
Signature of the Lecturer

B. V. Prasad  
Signature of the HOD

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

**PLAN (Year)**

*Chemistry of Natural Products*

CLASS : *II M.Sc*

Semester : *III*

Paper : *IV*

**'ANNUAL CURRICULAR**

NAME OF THE LECTURER

*Ch. Bhuvaneshwari*

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>Dec</i>	<i>I</i>	<i>4hr</i>	<i>Stereochemistry &amp; syn<sup>n</sup> of Farnesol</i>		-	-	-	-	-	-	-	-	-
			<i>Structure, stereochemistry syn<sup>n</sup> of <math>\beta</math>-amylin.</i>		-	-	-	-	-	-	-	-	-
	<i>II</i>	<i>3hr</i>	<i>Structure, stereochemistry of Taxol.</i>		-	-	-	-	<i>Seminar</i>	<i>1hr</i>	<i>yes</i>	-	-
			<i>Synthesis &amp; biosynthesis of Taxol.</i>		-	-	-	-	-	-	-	-	-
	<i>III</i>	<i>4hr</i>	<i>Structure, stereochemistry of Zingiberene.</i>		-	-	-	-	-	-	-	-	-
			<i>Synthesis &amp; Biosynthesis of Zingiberene.</i>		-	-	-	-	-	-	-	-	-

*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 2020-2021

ANNUAL CURRICULAR					PLAN (Year)				CO-CURRICULAR ACTIVITY			
NAME OF THE LECTURER: Ch. Bhuvaneshwari					CLASS: B M Sc	Semester: II	Paper: IV (Chemistry of Natural Products)					
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
	IV	4hr	Structure, Stereochemistry of Forskolin		—	—	—	—	—	—	—	—
Jan	I	4hr	Synthesis & Biosynthesis of Forskolin		—	—	—	—	—	—	—	—
			Structure, Stereochemistry of Azadirachtin		—	—	—	—	Assignment	1hr	yes	—
	II	3hr	Synthesis and Biosynthesis of Azadirachtin		—	—	—	—	—	—	—	—
			I - MID EXAMS		—	—	—	—	—	—	—	—
			UNIT-III occurrence, nomenclature.		—	—	—	—	Seminar	1hr	yes	—

Ch. Bhuvaneshwari  
Signature of the Lecturer

B. V. Prasad  
Signature of the HOD

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

ANNUAL CURRICULAR					PLAN (Year)				CO-CURRICULAR ACTIVITY			
NAME OF THE LECTURER: <u>Ch. Bhuvaneshwari</u>					CLASS: <u>B.Mc</u>	Semester: <u>II</u>	Paper: <u>Chemistry of natural products</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
	<u>III</u>	<u>4hr</u>	<u>Basic skeleton, Diel's hydrocarbon &amp; its stereochemistry.</u>		—	—	—	—	—	—	—	—
			<u>Isolation, structure, synthesis of cholesterol</u>		—	—	—	—	—	—	—	—
	<u>IV</u>	<u>4hr</u>	<u>Synthesis of cholesterol</u>		—	—	—	—	—	—	—	—
			<u>Structure of Androsterone</u>		—	—	—	—	<u>Assignment</u>	<u>1hr</u>	<u>yes.</u>	—
<u>Feb</u>	<u>I</u>	<u>4hr</u>	<u>Synthesis of Androsterone.</u>		—	—	—	—	—	—	—	—
			<u>Structure and synthesis of Testosterone.</u>		—	—	—	—	—	—	—	—

Ch. Bhuvaneshwari  
Signature of the Lecturer

B. V. Praveena  
Signature of the HOD

[Signature]  
Signature of the Principal



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

ANNUAL CURRICULAR					PLAN (Year)				CO-CURRICULAR ACTIVITY			
NAME OF THE LECTURER: <u>Ch. Bhuvaneshwari</u>					CLASS: <u>II Msc</u> Semester: <u>II</u>				Paper: <u>IV. Chemistry of Natural products</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
	<u>II</u>	<u>4hr</u>	<u>Structure and synthesis of progesterone</u>		—	—	—	—	—	—	—	—
			<u>UNIT - IV</u> <u>occurrence, nomenclature &amp; general methods.</u>		—	—	—	—	<u>Seminar</u>	<u>1hr</u>	<u>yes</u>	—
	<u>III</u>	<u>3hr</u>	<u>Isolation, structure of kaempferol.</u>		—	—	—	—	—	—	—	—
			<u>Synthesis of kaempferol</u>		—	—	—	—	—	—	—	—
	<u>IV</u>	<u>4hr</u>	<u>Structure, synthesis of quercetin</u>		—	—	—	—	—	—	—	—
			<u>Structure, synthesis of cyanidin</u>		—	—	—	—	—	—	—	—

Ch. Bhuvaneshwari  
Signature of the Lecturer

B. V. Prudhuma  
Signature of the HOD

[Signature]  
Signature of the Principal



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

ANNUAL CURRICULAR					PLAN (Year)							
NAME OF THE LECTURER					CLASS :	Semester :	Paper : <i>IV Chemistry of Natural Products</i>					
NAME OF THE LECTURER					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
MAR	I	3hr	Structure, synthesis of Genestein		—	—	—	—	—	—	—	—
			Structure, synthesis of Butein		—	—	—	—	Assignment	1hr	yes	—
	II	3hr	Structure, synthesis of Daidzein		—	—	—	—	—	—	—	—
			Biosynthesis of flavonoids & Iso flavonoids.		—	—	—	—	—	—	—	—
					—	—	—	—	—	—	—	—
					—	—	—	—	—	—	—	—

*Ch. Bhuvaneshwari*  
 Signature of the Lecturer

*B. V. Prasad*  
 Signature of the HOD

*[Signature]*  
 Signature of the Principal