

ANNUAL CURRICULAR				IBSc PLAN-I (Year)									
NAME OF THE LECTURER: N. Malini				CLASS: IMECs				Semester: I Sem			Paper: Mathematics - IA.		
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
November	1st	3	Syllabus, Model paper Introduction class.	-	Teaching	3	Yes	-	-	-	-	-	-
	2nd	5	UNIT-I-D.E OF first order first degree :- Exact differential Eq ⁿ & Eq ⁿ reducible to exact form.	-	Teaching	5	Yes	-	-	-	-	-	-
				x	-	-	-	-	-	-	-	-	-
	3rd	6	Equation reducible to exact form - Integrating factors.	-	Teaching	6	Yes	-	-	-	-	-	-
	4th	6	Linear differential Eq ^s , D.E. reducible to linear form & Bernoulli's Equation	-	Teaching	6	Yes	-	-	-	-	-	-
	4th			-	-	-	-	-	-	-	-	-	-
	5th	3	Unit-II-D.E of first order but not of the first degree. Equations Solvable for 'p'	-	Teaching	3	Yes	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-
December	1st	3	solvable for p & solvable for y	-	Teaching	3	Yes	-	-	-	-	-	-

Signature of the Lecturer
N. Malini

Signature of the HOD
S.S.L. Babu

Signature of the Principal

ANNUAL CURRICULAR					PLAN - I (Year)											
NAME OF THE LECTURER: N. Nalini					IBSc CLASS: I MECS				Semester: - I Sem				Mathematics - I A Paper: Differential Equation			
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				
December	2 nd	6	Solvable for x & Eq ⁿ s homogenous in x & y	-	Teaching	5	Yes	-	Assignment	1	Yes	-				
	3 rd	6	Eq ⁿ s of first degree in x & y - Clairauts	orthogonal trajectories	Teaching & using ppt	6	Yes	-	-	-	-	-				
			Eq ⁿ s & Eq ⁿ s reducible to Clairauts form.	-	-	-	-	-	-	-	-	-				
	4 th	5	Unit - III - Higher order linear D.E - I. Sol ⁿ of homogenous linear D.E. order n with constant coefficients & Sol ⁿ of the non-homogenous linear D.E with constant coefficients by means of polynomial operators G.S of $f(D)y = 0$	-	Teaching	4	Yes	-	class room Seminar	1	Yes	-				
			G.S of $f(D)y = 0$ when Q is a function of $f(D)$ expressed as partial fractions of x , p.I. of $f(D)y = Q$, where $Q = be^{ax}$	-	-	-	-	-	-	-	-	-				
	5 th	6	G.S of $f(D)y = Q$ when Q is a function of $f(D)$ expressed as partial fractions of x , p.I. of $f(D)y = Q$, where $Q = be^{ax}$	-	Teaching	6	Yes	-	-	-	-	-				
				-	-	-	-	-	-	-	-	-				

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N. Nalini

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S.S.L. Sabarika

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Satyajit

ANNUAL CURRICULAR					PLAN - I (Year)				mathematics - IA.			
NAME OF THE LECTURER: N. Malini					CLASS: I MECS		Semester: I Sem		Paper: Differential Equations			
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
January	1st	06	p-I of $f(D)y = Q$ when Q is $\sin bx$ or $\cos bx$ unit-IV = Higher order linear D.E	-	Teaching	6	Yes	-	-	-	-	-
			-II- p-I of $f(D)y = Q$ when $Q = bx^k$ & p-I of $f(D)y = Q$ when $Q = e^{ax}v$ where v is a function of x .	-	-	-	-	-	-	-	-	-
	2nd	6	p-I of $f(D)y = Q$ where $Q = xv$ where v is a function of x <small>pongal holidays</small>	-	Teaching	6	Yes	-	-	-	-	-
	3rd	6	p-I of $f(D)y = Q$ when $Q = x^m v$ where v is a function of x <small>pongal holidays</small>	-	Teaching	5	Yes	-	Quiz	1	Yes	-
	4th	5	unit-V Higher order linear D.E - III: method of variation of parameters & Cauchy-Euler Equation	-	Teaching	5	Yes	-	-	-	-	-
			-less & Cauchy-Euler Equation	-	-	-	-	-	-	-	-	-
	5th	2	Cauchy Euler's Equation	-	Teaching	2	Yes	-	-	-	-	-
February	1st	4	Legendre's Eqns & linear P.E with non-constant coefficients	-	Teaching	3	Yes	-	Group Discussion	1	Yes	-

Signature of the Lecturer:
N. Malini

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S.S.T. Sabar

Signature of the Principal:
Salya

ANNUAL CURRICULAR					PLAN - I. (Year)											
NAME OF THE LECTURER: <i>N. Malini</i>					CLASS: <i>TMECS.</i>				Semester: <i>I</i>				Paper: <i>Mathematics - IA.</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>February</i>	<i>2nd</i>	<i>6</i>	<i>Solution when a part of CF is known Method only</i>	<i>-</i>	<i>Teaching</i>	<i>6</i>	<i>Yes</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>			
	<i>3rd</i>	<i>5</i>	<i>IInd Mid Exams.</i>	<i>-</i>	<i>Teaching.</i>	<i>5</i>	<i>Yes</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>			

Signature of the Lecturer
N. Malini

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S.S.L. Sabarika

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ANNUAL CURRICULAR					PLAN I (Year)								
NAME OF THE LECTURER: O. G. V. Sai Deepa					CLASS: IB.Sc Impose 2, mers Semester: I				Life Skill course Paper: Ethics (AVPE)				
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
November	1st	0	-	-	-	-	-	-	-	-	-	-	-
	2nd	2	Syllabus & model paper unit I: Understanding the Need, Basic guidelines	-	Teaching	2	yes	-	-	-	-	-	-
	3rd	2	Content & Process of value Education on understanding the thought provoking issues in our daily life.	-	Teaching	2	yes	-	-	-	-	-	-
	4th	2	Choice making, choosing cherishing & acting understanding personal values.	Self Explorations Need of body & self (if)	Teaching showing in youtube	2	yes	-	-	-	-	-	-
	5th	0	-	-	-	-	-	-	-	-	-	-	-
December	1st	1	Social values & spiritual values. Classification of values.	-	Teaching	1	yes	-	-	-	-	-	-
	2nd	2	unit II: Understanding harmony in the family	-	Teaching	2	yes	-	-	-	-	-	-
	3rd	2	The basic unit of human interaction, understanding the set of proposals	-	Teaching	2	yes	-	-	-	-	-	-

Signature of the Lecturer
O. G. V. Sai Deepa

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S. S. L. Sabarika

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ANNUAL CURRICULAR					B.Sc PLAN I (Year)							
NAME OF THE LECTURER: O.G.V. Sai Divya					CLASS: Impes I, Impes Semester: I				Life skill course Paper: Ethics			
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
December	3rd	2	to verify harmony in the family, Trust & respect	-	Teaching	2	yes	-	-	-	-	-
	4th	2	Difference between body & self & comprehensive human goals	-	Teaching	2	yes	-	-	-	-	-
	5th	2	undivided Society, world family & Trust & respect	-	Teaching	2	yes	-	-	-	-	-
December	1st		five dimension of human endeavour, Akhand Samaj Sarvabhuma Vyavastha,	-	-	-	-	-	-	-	-	-
			Harmony in the nature & undivided Society.	-	-	-	-	-	-	-	-	-
Jan	1st	2	unit-III: Understanding about Professional Integrity	-	Teaching	2	yes	-	-	-	-	-
	4th	2	Privacy & Respect & Equality, Building trusting relationship	-	Teaching	2	yes	-	-	-	-	-
			understanding the concept.	-	-	-	-	-	-	-	-	-
Feb	1st	1	positive cooperation respecting the competitive of the other profession	-	Teaching	1	yes	-	-	-	-	-

Signature of the Lecturer

O.G.V. Sai Divya

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S.S.L. Sabarika

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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2022-2023

ANNUAL CURRICULAR					IBSC PLAN II (Year)											
NAME OF THE LECTURER: O.G.V. Sri Daya					CLASS: Impassioned				Semester: II				Life skill source Paper: Ethics (HS/PE)			
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				
			understanding about interacting & promoting	-	-	-	-	-	-	-	-	-	-			
			the culture of openness.	-	-	-	-	-	-	-	-	-	-			
Feb	2nd	2	depicting loyalty towards Goals & objectives.	-	02	yes	-	-	-	-	-	-	-			
				-	-	-	-	-	-	-	-	-	-			

Signature of the Lecturer
O.G.V. Sri Daya

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S.S.L. Sabarika

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ANNUAL CURRICULAR					PLAN II (Year)							
NAME OF THE LECTURER : E. Teja Devi Sowjanya					CLASS : II B.Sc - II B2BT, II MSCS-2, II B.com-V				Semester : III			
					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
October	4 th	2	Analytical skills, syllabus & Model paper - 75.	-	Teaching	2	Yes	-	-	-	-	-
November	1 st	3	Unit-1 :- Arithmetic Ability :- Algebraic	-	Teaching	3	Yes	-	-	-	-	-
			operations and BODMAS.	-	-	-	-	-	-	-	-	-
	2 nd	2	Fractions, Divisibility Rules.	-	Teaching	2	Yes	-	-	-	-	-
	3 rd	3	LCM & HCF	-	Teaching	3	Yes	-	-	-	-	-
			Verbal Reasoning :- Number Series.	-	-	-	-	-	-	-	-	-
	4 th	3	coding And Decoding	-	Teaching	3	Yes	-	-	-	-	-
	5 th	1	Blood Relationship	-	Teaching	1	Yes	-	-	-	-	-
Decem-ber	1 st	3	clocks	-	Teaching	3	Yes	-	-	-	-	-

Signature of the Lecturer

E. Teja Devi Sowjanya

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G.S. Babu

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Life Skills course

Paper : Analytical skills

ANNUAL CURRICULAR					PLAN II (Year)				Life skill course				
NAME OF THE LECTURER: <u>Edubilli Teja Devi Sowjanya</u>					CLASS: <u>II B.Sc</u> <u>II B2BT</u> <u>II MScs-2</u> <u>II B.com-V₂</u>				Semester: <u>III</u> Paper: <u>Analytical skills</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>December</u> <u>-21</u>	<u>2nd</u>	<u>3</u> <u>(1+2)</u>	<u>calendargā</u>	<u>Square roots & cube roots</u>	<u>Teaching & showing in ppt</u>	<u>3</u>	<u>Yes</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
			<u>I - Mid Examinations</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
	<u>3rd</u>	<u>3</u>	<u>Unit-2 :- Quantitative Aptitude :-</u>	<u>-</u>	<u>Teaching</u>	<u>3</u>	<u>Yes</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
			<u>Averages, Ratio & proportions.</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
	<u>4th</u>	<u>2</u>	<u>problem On Ages.</u>	<u>-</u>	<u>Teaching</u>	<u>2</u>	<u>Yes</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
	<u>5th</u>	<u>3</u>	<u>Time - Distance Speed.</u>	<u>-</u>	<u>Teaching</u>	<u>3</u>	<u>Yes</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>January</u>	<u>1st</u>	<u>3</u>	<u>Business computations :-</u>	<u>-</u>	<u>Teaching</u>	<u>3</u>	<u>Yes</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
			<u>percentages, profit & Loss</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
	<u>2nd</u>	<u>3</u> <u>(2+1)</u>	<u>partnership</u>	<u>-</u>	<u>Teaching</u>	<u>3</u>	<u>Yes</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>

Signature of the Lecturer

E. Teja Devi Sowjanya

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S.S. Sabarika

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ANNUAL CURRICULAR					II B.Sc II B2BT II MSCS-2 II B.com-V ₂ PLAN II (Year)				Life skill course - Paper : Analytical skills			
NAME OF THE LECTURER: Edubilli Teja Devi Sowjanya					CLASS : II B.com-V ₂ Semester : III							
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
January			Pongal Holidays.	-	-	-	-	-	-	-	-	-
	3 rd	3 (2+1)	simple Interest	-	Teaching	3	Yes	-	-	-	-	-
	4 th	2	compound Interest.	Time & work	Teaching & showing in ppt	2	Yes	-	-	-	-	-
	5 th	1	unit-3:- <u>Data Interpretation</u> :-	-	Teaching	1	Yes	-	-	-	-	-
			Tabulation	-	-	-	-	-	-	-	-	-
February	1 st	2	Bar Graphs, pie charts	-	Teaching	2	Yes	-	-	-	-	-
	2 nd	3	Line Graphs, Venn Diagrams	-	Teaching	3	Yes	-	-	-	-	-
	3 rd	3	II - Mid Examinations.	-	-	-	-	-	-	-	-	-

Signature of the Lecturer
E. Teja Devi Sowjanya

Signature of the HOD S.S.L. Sabarwal

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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2022-2023

ANNUAL CURRICULAR					PLAN II (Year)								
NAME OF THE LECTURER: Ch. Ramalakshmi					CLASS: IIBSC MECS, MCCSI Semester: III				Mathematics - Paper - III Paper: Abstract Algebra				
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	
October	4th	4	Syllabus and Model Paper Unit I: - Groups: Binary operations	-	Teaching	4	Yes	-	-	-	-	-	-
November	1st	5	Algebraic structure, semi group, Monoid, group def and elementary properties	-	Teaching	5	Yes	-	-	-	-	-	-
			finite and infinite groups	-	-	-	-	-	-	-	-	-	-
	2nd	5	Examples	-	Teaching	5	Yes	-	-	-	-	-	-
	3rd	6	Order of a group, composition tables with examples	Additional module Multiplication Modulo P	Teaching & Showing in PPT	6	Yes	-	-	-	-	-	-
	4th	6	Unit II: - Subgroup, complex definition, multiplication of two complexes,	-	Teaching	6	Yes	-	-	-	-	-	-

Ch. Ramalakshmi
Signature of the Lecturer

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S.S.L. Sabeetha

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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2022-2023

ANNUAL CURRICULAR					PLAN II (Year)								
NAME OF THE LECTURER: Ch. Ramalakshmi					CLASS: II B.Sc (MECS) MCCSI Semester: III				Paper: Mathematics Paper III Abstract Algebra				
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	
			Inverse of a complex group definition, examples criterion for complex to	-		-	-	-	-	-	-	-	-
			be a subgroup, criterion for the product of two sub groups to be a subgroup,	-		-	-	-	-	-	-	-	-
			union and intersection of subgroups	-		-	-	-	-	-	-	-	-
	5th	3	cosets and Lagrange's theorem, coset definition, properties of cosets	-	Teaching	3	Yes	-	-	-	-	-	-
December	1st	3	Index of a sub group of a finite group, Lagrange's theorem	-	Teaching	3	Yes	-	-	-	-	-	-
	2nd	6 (2+4)	normal subgroups: def of normal subgroup, proper and improper normal	-	Teaching	1	Yes	-	GROUP DISCUSSION	1	Yes	-	-

Ch. Ramalakshmi
Signature of the Lecturer

Signature of the HOD
S.S.L. Babu

Signature of the Principal
Srinivas

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2022-2023

ANNUAL CURRICULAR					PLAN II (Year)								
NAME OF THE LECTURER: <u>ch Ramalakshmi</u>					CLASS: <u>II BSC MECS, MCCSI</u> Semester: <u>III</u>				Paper: <u>Mathematics, Paper III</u> <u>Abstract Algebra</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	
			Subgroup, criterion for a subgroup to be a normal subgroup & I mid Examinations	-	-	-	-	-	-	-	-	-	-
	3rd	3rd 6	Intersection of two normal subgroups, subgroup of index 2 is a normal	-	6	Yes	-	-	-	-	-	-	-
			Subgroup, quotient group criteria for the existence of a quotient group	-	-	-	-	-	-	-	-	-	-
	4th	5	Unit-IV: - Homomorphism, def of homomorphism, Image of homomorphism, elementary	-	3	Yes	-	class room seminar, quiz	2	Yes	-	-	-
			Properties of homomorphism Automorphism, Definitions and elementary properties.	-	-	-	-	-	-	-	-	-	-
	5th	6	kernel of homomorphism, fundamental theorem on homomorphism and applications.	-	6	Yes	-	-	-	-	-	-	-

ch. Ramalakshmi
Signature of the Lecturer

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S.S.L. Sabarika

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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2022-2023

ANNUAL CURRICULAR					PLAN II (Year)								
NAME OF THE LECTURER					CLASS : II B.Sc MECS MCCSI Semester : III				Paper : <i>Mathematics, Paper III</i> <i>Abstract Algebra</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	
January	1 st	6	Permutations: Definition of permutation, permutation multiplication, inverse of a permutation, cyclic permutation, transposition, even & odd permutation, Cayley's theorem	-	Teaching	6	Yes	-	-	-	-	-	-
	2 nd	6	unit - I: Rings: Definition of Rings & basic properties, Pongal holidays	-	Teaching	6	Yes	-	-	-	-	-	-
	3 rd	3	Boolean ring & divisors of zero	-	Teaching	3	Yes	-	-	-	-	-	-
	4 th	5	cancellation laws rings, integral domains & division ring	-	Teaching	4	Yes	-	Assignment	1	Yes	-	-
	5 th	2	Fields & characteristic of a ring	-	Teaching	2	Yes	-	-	-	-	-	-

Ch. Ramalakshmi
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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2022-2023

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: <i>Ch. Ramalakshmi</i>					CLASS: <i>IB-SC MECS, HCCSI</i> Semester: <i>III</i>				Paper: <i>Mathematics, Paper III</i> <i>Abstract Algebra</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>February</i>	<i>1st</i>	<i>4</i>	<i>The characteristic of an integral domain & characteristic of a field</i>	-	<i>Teaching</i>	<i>4</i>	<i>Yes</i>	-	-	-	-	-	-
	<i>2nd</i>	<i>6</i>	<i>Subrings; Subrings</i>	<i>Ideals</i>	<i>Teaching & showing in PPT</i>	<i>6</i>	<i>Yes</i>	-	-	-	-	-	-
	<i>3rd</i>	<i>5</i>	<i>II Mid semester Examinations</i>	-	-	-	-	-	-	-	-	-	-

Ch. Ramalakshmi
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S.S.L. Sabarika

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N. Srinivas

ANNUAL CURRICULAR					PLAN III (Year) Mathematics								
NAME OF THE LECTURER D. Tejaswini					CLASS : III BSc - III MPCS I & MSCS II Semester : V				Paper : #A: Special functions				
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	4th	6	Syllabus & Model paper unit-II: beta & Gamma functions; Eulers Integrals - Beta & Gamma functions. Eleme- -ntary properties of Gamma -a function transform -tion of gamma function Another form of Beta functions.	Legendres duplication formula	Teaching & Showing ppt	06	yes	-	-	-	-	-	-
			Relation b/w beta & Gamma functions unit-III: power series & power series sol of ordinary diff equations	-	Teaching	03	yes	-	-	-	-	-	-
	5th	3	Introduction, summary of useful results, power series, radius of convergence, theorems on power series.	-	-	-	-	-	-	-	-	-	-
Dec	1st	3	Introduction of power series solutions of ordinary differential equations	-	Teaching	03	yes	-	-	-	-	-	-
			Ordinary & singular points.	-	-	-	-	-	-	-	-	-	-
	2nd	6	regular & irregular singular points, power series solution I mid Examination	-	Teaching	06	yes	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN III (Year) Mathematics - Mathematical							
NAME OF THE LECTURER D. Nejaswi					CLASS : III BSc - III MPDS I & MSLS II Semester : V				Paper : VISA Special function			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY			
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date
	3rd	6	Unit-III: Hermite polynomials: Hermite differential equations. solution of Hermite equation, Hermite polynomials, generating function of Hermite polynomials & other forms of Hermite polynomials.	-	Teaching	06	yes	-	-	-	-	-
			Hermite equation, Hermite polynomials, generating function of Hermite polynomials & other forms of Hermite polynomials.	-	-	-	-	-	-	-	-	-
	4th	5	Rodrigues formula for Hermite polynomials, to find first few Hermite polynomials.	-	Teaching	4	yes	-	Assignment	01	yes	-
			Recurrence formula for Hermite polynomials unit-IV Legendre polynomials: Sol of Legendre's Eq. Legendre polynomial of degree n, generating function of Legendre polynomials. Def of $P_n(x)$ & $Q_n(x)$, general sol of Legendre's Eq. To show that $P_n(x)$ is the sum of $P_n(x)$ & $Q_n(x)$.	-	-	-	-	-	-	-	-	-
	5th	6	Sol of Legendre's Eq. Legendre polynomial of degree n, generating function of Legendre polynomials. Def of $P_n(x)$ & $Q_n(x)$, general sol of Legendre's Eq. To show that $P_n(x)$ is the sum of $P_n(x)$ & $Q_n(x)$.	-	Teaching	6	yes	-	-	-	-	-
			& $Q_n(x)$, general sol of Legendre's Eq. To show that $P_n(x)$ is the sum of $P_n(x)$ & $Q_n(x)$.	-	-	-	-	-	-	-	-	-
Jan	1st	6	Orthogonal properties of Legendre's polynomials. Recurrence formulas for Legendre's polynomials & Examples.	-	Teaching	6	yes	-	-	-	-	-
			for Legendre's polynomials & Examples.	-	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN III (Year) Mathematics - Mathematical								
NAME OF THE LECTURER D. Tejaswi					CLASS : III BSc				Semester : V				
					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	2nd	6	Example problems & pongal holidays.	-	Teaching	6	yes	-	-	-	-	-	
	3rd	6	pongal holidays & Example problems	-	Teaching	6	yes	-	-	-	-	-	
	4th	5	Unit - V: Bessel's Eq: Def, solution of Bessel's Eq, Bessel's function of first kind of order n, Bessel's function of the second kind of order n	-	Teaching	4	yes	-	classroom seminar	01	yes	-	
				-	-	-	-	-	-	-	-	-	
	5th	2	Introduction of Bessel's Equation in series form ≥ 0 & Definition of $J_n(x)$.	-	Teaching	2	yes	-	-	-	-	-	
				-	-	-	-	-	-	-	-	-	
Feb	1st	4	Recurrence formulae for $J_n(x)$ & generating function of $J_n(x)$	-	Teaching	3	yes	-	Group Discussion	01	yes	-	
				-	-	-	-	-	-	-	-	-	
	2nd	5	Example problems	-	Teaching	4	yes	-	Quiz	01	yes	-	

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ANNUAL CURRICULAR					PLAN III (Year) Mathematics - Mathematical								
NAME OF THE LECTURER: D. Nejaswi					CLASS: III MPLSI & MS(II) Semester: II				Paper: VIIA Special function				
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	3 rd	5	Remaining Example problems	-	Teaching	05	yes	-	-	-	-	-	-
			II mid Examination	-	-	-	-	-	-	-	-	-	-

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D. Nejaswi

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ANNUAL CURRICULAR					BSc PLAN III (Year)								
NAME OF THE LECTURER: B. Tejaswini					CLASS: III msc-II, III mpc Semester: V semester - VI A				Paper: mathematics Numerical methods				
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	4th	6	Syllabus and model paper. unit-I: finite differences and interpolation with equal intervals :- Introduction, forward differences	-	Teaching	6	Yes	-	-	-	-	-	-
			Backward differences	-	-	-	-	-	-	-	-	-	-
			central differences, symbolic relations,	-	-	-	-	-	-	-	-	-	-
			nth difference of some functions, Advancing difference	-	-	-	-	-	-	-	-	-	-
			formule, Differences of factorial polynomial	-	-	-	-	-	-	-	-	-	-
	5th	3	Newton's formulae for interpolation,	-	Teaching	3	Yes	-	-	-	-	-	-
			central difference interpolation formulae	-	-	-	-	-	-	-	-	-	-
			unit-II: Interpolation with equal and unequal intervals	-	-	-	-	-	-	-	-	-	-
			central differences interpolation formulae	-	-	-	-	-	-	-	-	-	-
			equal forward interpolation formulae	-	-	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					III BSc PLAN III (Year)							
NAME OF THE LECTURER: B. Tejaswini					CLASS: III MSc-II, III MSc-III				Semester: II semester			
					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
Dec	1st	3	Gaus Backward interpolation formula, Stirling's formula, Bessell's formula, Interpolation with unevenly spaced points, divided difference and properties	-	Teaching	3	Yes	-	-	-	-	-
				-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-
	2nd	6	Newton divided difference formula, Lagrange's interpolation formula, Lagrange's inverse interpolation formula, Inmid Examinations	Everettes formula	Teaching showing ppt	6	Yes	-	-	-	-	-
				-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-
	3rd	6	unit-III numerical differentiation Derivatives using Newton forward difference formula, Newton's backward difference formula, derivatives using central diff formula	-	Teaching	6	Yes	-	-	-	-	-
				-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-

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B. Tejaswini

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S.S.L. Subbarao

Signature of the Principal
N. Lakshmi

ANNUAL CURRICULAR					PLAN II (Year)								
NAME OF THE LECTURER: B. Tejaswini					CLASS: III BSc III ms-II III MPC			Semester: IV		Paper: Mathematics VA Numerical methods			
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	
			Stirling's interpolation formula.	-	Teaching	-	-	-	-	-	-	-	-
	4th	5	Newtons divided difference formula, maximum and minimum values of a tabulated function	-	Teaching	5	Yes	-	-	-	-	-	-
	5th	6	unit-IV Numerical integration	-	Teaching	5	Yes	-	Assignment for III MPC	01	Yes	-	-
			General Quadrature formula one Error, Trapezoidal rule, Simpson's 1/3 rule,	-	-	-	-	-	-	-	-	-	-
Jan	1st	6	Simpson's - 3/8 rule, and weddle's rule, Euler - mclaurin formula of summation and quadrature	Boole's rule	Teaching Showing in ppt	6	Yes	-	-	-	-	-	-
	2nd	6	unit-V numerical soln of ordinary differential eqns	-	Teaching	5	Yes	-	classroom seminar for III MPC	01	Yes	-	-

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B. Tejaswini

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ANNUAL CURRICULAR					IIBSc PLAN III (Year)									
NAME OF THE LECTURER: B. Tejaswini					CLASS: III msc-II			Semester: IV		Paper: VIA mathematics			numerical methods	
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		
			Introduction, sol ⁿ by Taylor's series, pongal holidays	-	-	-	-	-	-	-	-	-	-	
	3rd	6	pongol holidays, Picards method of successive approximations	-	Teaching	6	Yes	-	-	-	-	-	-	
				-	-	-	-	-	-	-	-	-	-	
	4th	5	Euler's method, modified Euler's method	-	Teaching	5	Yes	-	-	-	-	-	-	
	5th	2	Runge-kutta method	-	Teaching	2	Yes	-	-	-	-	-	-	
Feb	1st	4	Runge-kutta method	-	Teaching	3	Yes	-	Quiz for Impc	01	Yes	-	-	
	2nd	5	Runge-kutta methods	-	Teaching	5	Yes	-	-	-	-	-	-	
	3rd	5	Runge-kutta methods II mid examination	-	Teaching	5	Yes	-	-	-	-	-	-	

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B. Tejaswini

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S.S.L. Sabarwal

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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2022 - 2023

ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER : <i>M.B. Rajya Lakshmi</i>					CLASS : <i>III B.Sc</i>		Semester : <i>V</i>		Paper : <i>MATLAB</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>Novem-ber</i>	<i>4th</i>	<i>3</i>	<i>syllabus what is matlab</i>		<i>Teaching</i>	<i>3</i>							
<i>Novem-ber</i>	<i>5th</i>	<i>3</i>	<i>Difference between the commands home etc and clear</i>		<i>Teaching</i>	<i>3</i>							
<i>Decem-ber</i>	<i>1st</i>	<i>3</i>	<i>Difference between the commands home, etc and clear & display format of numbers.</i>		<i>Teaching</i>	<i>3</i>							
<i>Decem-ber</i>	<i>2nd</i>	<i>6</i>	<i>Display format of numbers, format short format long, format bank and format rat, Arrays & matrices</i>		<i>Teaching</i>	<i>6</i>							

Signature of the Lecturer *M.B. Rajya Lakshmi*

Signature of the HOD *S.S.L. Sabarika*

Signature of the Principal *[Signature]*

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2022 - 2023

ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER <i>H. B. Rajya Lakshmi</i>					CLASS : <i>III BJE</i>		Semester : <i>✓</i>		Paper : <i>MATLAB</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>Decem-ber</i>	<i>3rd</i>	<i>6</i>	<i>Arrays, matrices, linear indexing, special matrices</i>		<i>Teaching</i>	<i>6</i>							
<i>Decem-ber</i>	<i>4th</i>	<i>5</i>	<i>special matrices, Removing rows & columns</i>		<i>Teaching</i>	<i>5</i>							
<i>Decem-ber</i>	<i>5th</i>	<i>4</i>	<i>swapping rows & columns, sorting</i>		<i>Teaching</i>	<i>4</i>							

Signature of the Lecturer

H. B. Rajya Lakshmi

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S. S. L. Sabarwal

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