

ANNUAL CURRICULAR					PLAN I (Year)								
NAME OF THE LECTURER: O. Ganga Venkata Sai Divya					CLASS: <sup>M.Sc. II</sup> B.Sc. NP-II Semester: 1st Sem				Paper: Mathematics Differential Equations-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	
June	3rd	5	Introduction about paper unit-I: Diff. eqn's of first order & first degree Linear differential equations	-	Teaching	05	yes	-	-	-	-	-	-
			Diff eqns reducible to linear form, Exact diff eqns	-	Teaching	6	yes	-	-	-	-	-	-
	4th	6	Integrating factors	equations reducible to first order & first degree $p = \frac{dy}{dx}$ Sub	shown in PPT Teaching	6	yes	-	-	-	-	-	-
July	1st	6	Change Of Variable	-	Teaching	05	yes	-	Assignment	01	yes	-	-
	2nd	5	unit-II: Diff eqns of the 1st order but not first degree: Orthogonal Trajectories	-	Teaching	5	yes	-	-	-	-	-	-
	3rd	6	Equations Solvable for P, eqn's solvable for y, eqn's Solvable for x, eqns that do not contain x	-	Teaching	6	yes	-	-	-	-	-	-

Signature of the Lecturer

O.G.V. Sai Divya

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V. M. Krishna

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ANNUAL CURRICULAR					PLAN I (Year)							
NAME OF THE LECTURER: O. Ganga Venkata Sai Deepa					CLASS: I.B.Sc			Semester: 1st		Paper: D.E		
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	4th	6	Eqn's of 1st degree in x & y, Clairaut's equation	-	Teaching	05	yes	-	Class room Seminar	01	yes	-
			Unit-III Higher order linear diff eqns-I:	-	-	-	-	-	-	-	-	-
			Solution of Hom & non-hom. L.D.E with constant coefficients by means of Polynomial Operaters.	-	-	-	-	-	-	-	-	-
	5th	2	G.S. of $f(D)y=0$ , G.S of $f(D)y=Q$ , where Q is a function of x.	-	Teaching	2	yes	-	-	-	-	-
August	1st	4	$\frac{1}{f(D)}$ is expressed as Partial fractions. P.I of $f(D)y=Q$ when $Q = be^{ax}$ , P.I of $f(D)y=Q$ when $Q = be^{ax} \cos bx$ or $be^{ax} \sin bx$	-	Teaching	4	yes	-	-	-	-	-
	2nd	5	Unit-IV: P.I of $f(D)y=Q$ when $Q = b x^k$ of $f(D)y=Q$ when $Q = e^{ax} v$	-	Teaching	04	yes	-	Quiz	01	yes	-
	3rd	5	I- mid exams P.I of $f(D)y=Q$ when $Q = x^2 v$	-	Teaching	5	yes	-	-	-	-	-

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O. Ganga Venkata Sai Deepa

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ANNUAL CURRICULAR					PLAN I (Year)									
NAME OF THE LECTURER: O. Ganga Venkata Sai Daya					CLASS: IB.Sc			Semester: 1st		Paper: I, Differential Equation			mathematics	
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		
August	4th	5	P.I of $f(x)y = Q$ when $Q = x^m \cdot v$	—	Teaching	04	yes	—	Quiz	01	yes	—		
	5th	5	unit-V: method of Variation of parameters	—	Teaching	5	yes	—	—	—	—	—		
September	1st	1	Linear diff eqns with non-constant coefficients Cauchy-Euler's Equation	—	Teaching	1	yes	—	—	—	—	—		
	2nd	4	Legendre's Equations	—	Teaching	4	yes	—	—	—	—	—		

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H. S. Reddy



PLAN II (Year)

Mathematics - paper 3 -  
Abstract Algebra

ANNUAL CURRICULAR					CURRICULAR ACTIVITY								CO-CURRICULAR ACTIVITY			
NAME OF THE LECTURER: D. Tejaswini					CLASS: <sup>MPCSE</sup> II BSc MEG Semester: III				Paper: III				Hours Allotted	Whether Conducted	If not Alternate Date	
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	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date
Jun	2nd	6	Introduction classes & Binary operation	-	Teaching	6	yes	-	-	-	-	-	-	-	-	-
			algebraic structure	-	-	1	-	-	-	-	-	-	-	-	-	-
	3rd	5	Simple group, monoid	-	Teaching	5	yes	-	-	-	-	-	-	-	-	-
			Group def & elementary properties	-	Teaching	6	yes	-	-	-	-	-	-	-	-	-
	4th	6	finite & infinite groups, examples	-	Teaching	5	yes	-	class room seminar	1	yes	-	-	-	-	-
	5th	6	order of a group	-	Teaching	5	yes	-	-	-	-	-	-	-	-	-
			composition tables	-	-	-	-	-	-	-	-	-	-	-	-	-
			with examples	-	-	-	-	-	-	-	-	-	-	-	-	-
July	1st	6	Subgroups: Definition & theorems	-	Teaching	6	yes	-	-	-	-	-	-	-	-	-
	2nd	5	criterion for the product of two	-	Teaching	4	yes	-	Group Discussion	1	yes	-	-	-	-	-
			subgroups to be a S & U	-	-	-	-	-	-	-	-	-	-	-	-	-
			union & Intersection	-	-	-	-	-	-	-	-	-	-	-	-	-

Signature of the Lecturer  
D. Tejaswini

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D. N. Srinivas

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D. N. Srinivas



ANNUAL CURRICULAR					PLAN II (Year)								
NAME OF THE LECTURER: D. Tejaswi					CLASS: IBSC MPCST & Mlec Semester: 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	
	3rd	6	Cosets: cosets def, properties of cosets, index of a s.G. of a finite group	-	Teaching	6	yes	-	-	-	-	-	-
			Lagrange's theorem	-	-	-	-	-	-	-	-	-	-
	4th	6	normal s.G.: Def, theorem upto s.G. of a	-	Teaching	5	yes	-	Assignment	1	yes	-	-
			index & is a normal subgroup	-	-	-	-	-	-	-	-	-	-
	5th	2	simple group, quotient group, criteria for the	-	Teaching	2	yes	-	-	-	-	-	-
			quotient group	-	-	-	-	-	-	-	-	-	-
Aug	1st	4	Homomorphisms: def, image of automorphism	-	Teaching	4	yes	-	-	-	-	-	-
			elementary properties of a homomorphism	-	-	-	-	-	-	-	-	-	-
	2nd	5	automorphism Def & elementary properties	Index & outer automorphism	Teaching & showing ppt	5	yes	-	-	-	-	-	-

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D. Tejaswi

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V. Madhava

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ANNUAL CURRICULAR					PLAN II (Year)								
NAME OF THE LECTURER: D. Pejaswi					CLASS: BSc MEdCS MPCS I Semester: 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	
			Theorem on ker f & a homo, fundamental	-	-	-	-	-	-	-	-	-	-
	3rd	2	Fundamental theorem on homo & application	-	Teaching	2	yes	-	-	-	-	-	-
	4th	5	permutations, Def multiplicative & inverse of a permutation problem.	-	Teaching	4	yes	-	Quiz	1	yes	-	-
			cyclic permutations transposition, even & odd permutation Cayley's theorem	-	Teaching	5	yes	-	-	-	-	-	-
Sep	1st	1	cyclic groups: Def of a cyclic group.	-	Teaching	1	yes	-	-	-	-	-	-
	2nd	4	elementary properties	-	Teaching	4	yes	-	-	-	-	-	-
	3rd	2	classification of cyclic groups	-	Teaching	2	yes	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN - III (Year)								
NAME OF THE LECTURER: N.chitti syamili					CLASS: <sup>B.Sc</sup> <u>II MScs</u>			Semester: <u>V</u>		Paper: <sup>Mathematics</sup> <u>Linear Algebra (V)</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	
June	2 <sup>nd</sup>	6	Syllabus, Model papers, unit-I: vector space def, general properties of vector spaces	-	Teaching	6	Yes	-	-	-	-	-	-
				-	-	1	-	-	-	-	-	-	-
	3 <sup>rd</sup>	5	Internal & External composition, def. of Null spaces & subspaces	-	Teaching	5	Yes	-	-	-	-	-	-
	4 <sup>th</sup>	6	Algebra of subspaces, Linear sum of subspaces	-	Teaching	6	Yes	-	-	-	-	-	-
			Linear combination of vectors	-	-	-	-	-	-	-	-	-	-
	5 <sup>th</sup>	6	Linear dependence & Linear independence of vectors	-	Teaching	6	Yes	-	-	-	-	-	-
July	1 <sup>st</sup>	6	unit-II: vector spaces-II Basis of vector spaces,	-	Teaching	6	Yes	-	-	-	-	-	-
			finite dimensional vector spaces, Basis extension	-	-	-	-	-	-	-	-	-	-
			& co-ordinate	-	-	-	-	-	-	-	-	-	-

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N.chitti syamili

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ANNUAL CURRICULAR					PLAN - II (Year)											
NAME OF THE LECTURER: N. Chitti Syamli					CLASS: <sup>B.Sc</sup> III MScs				Semester: V				Mathematics (VB) Paper: Linear 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				
July	2 <sup>nd</sup>	5	Dimension of a vector spaces, Dimension of subspaces, quotient space & dimension of quotient space	-	Teaching	5	Yes	-	-	-	-	-	-			
				-	-	1	-	-	-	-	-	-	-			
				-	-	-	-	-	-	-	-	-	-			
	3 <sup>rd</sup>	6	Dim. of quotient spaces, Unit-III: Linear Transformation, Linear operators, properties of Linear Transformation	-	Teaching	5	Yes	-	class room Seminar	1	Yes	-	-			
				-	-	-	-	-	-	-	-	-	-			
				-	-	-	-	-	-	-	-	-	-			
	4 <sup>th</sup>	6	Sum & product of Linear Transformations, Algebra of Linear operators.	-	Teaching	6	Yes	-	-	-	-	-	-			
				-	-	-	-	-	-	-	-	-	-			
	5 <sup>th</sup>	2	Rank & Null spaces	-	Teaching	2	Yes	-	-	-	-	-	-			

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ANNUAL CURRICULAR					PLAN-III (Year)											
NAME OF THE LECTURER N.chitti syamill					CLASS : <sup>B.Sc</sup> III MScs				Semester : V				Paper : <sup>Mathematics</sup> Linear Algebra (VB)			
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	1st	4	Rank & Nullity of Linear Transformations, Rank-Nullity theorem & probs on Rank-Nullity theorem.	determination of linear transformation	Teaching & showing in PPT	3	Yes	-	-	Group Discussion	1	Yes	-			
			Nullity theorem & probs on Rank-Nullity theorem.	transformation of vector	-	-	-	-	-	-	-	-	-			
	2nd	5	Unit-IV: Matrices Fundamentals of Matrices, Linear Equations.	-	Teaching	5	Yes	-	-	-	-	-	-			
			Matrices, Linear Equations.	-	-	-	-	-	-	-	-	-	-			
	3rd	2	Def. of characteristic roots & characteristic values	-	Teaching	2	Yes	-	-	-	-	-	-			
				-	-	-	-	-	-	-	-	-	-			
	4th	5	vectors of square matrix and problems	-	Teaching	4	Yes	-	-	Quiz	1	Yes	-			
	5th	5	Cayley-Hamilton theorem	-	Teaching	5	Yes	-	-	-	-	-	-			
sept	1st	1	Unit-V: Def of Inner product spaces	-	Teaching	1	Yes	-	-	-	-	-	-			

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ANNUAL CURRICULAR					PLAN-III (Year)							
NAME OF THE LECTURER: N.chitti Syamili					CLASS: <sup>BSc</sup> III MSc			Semester: V		Paper: <sup>Mathematical</sup> Linear 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
sept	2 <sup>nd</sup>	4	Euclidian & unitary space Norm of vectors,	-	Teaching	4	Yes	-	-	-	-	-
			Cauchy-Schwarz Inequality and Triangle	-	-	-	-	-	-	-	-	-
			Inequality & parallelogram law	-	-	-	-	-	-	-	-	-
	3 <sup>rd</sup>	2	orthogonality, orthogonal set, complete orthonormal set	-	Teaching	2	Yes	-	-	-	-	-
				-	-	-	-	-	-	-	-	-
	4 <sup>th</sup>	5	Gram-Schmidt orthogonalization process.	Orthogonal complement	Teaching & Showing in PPT	5	Yes	-	-	-	-	-

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N.chitti Syamili

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ANNUAL CURRICULAR					PLAN III (Year)								
NAME OF THE LECTURER: M.B. RAJYA LAKSHMI					CLASS: III B.Sc. m.p.c.			Semester: Vth		Paper: SA mathematics - paper SA Ring theory & vector calculus			
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	
June	2nd	6	Introduction classes Unit-1 Def of Rings, Unit element	-	teaching	6	Yes	-	-	-	-	-	
			and some basic Properties of ring theory def: Boolean ring & example	-	-	1	-	-	-	-	-	-	
			Problems	-	-	-	-	-	-	-	-	-	
	3rd	5	example Problems & upto theorem on nilpot -ent element	-	teaching	4	Yes	-	classroom seminar	1	Yes	-	
	4th	6	Theorem on character -stic of a ring & problem upto non-commutativity	-	teaching	6	Yes	-	-	-	-	-	
	5th	6	subrings: def, & theorems upto Ideal theorems	-	teaching	6	Yes	-	-	-	-	-	
July	1st	6	Principal Ideal def & theorems upto factor ring	-	teaching	6	Yes	-	-	-	-	-	
			Unit-III Homomorphism of a rings def. upto Kerf theorems	-	-	-	-	-	-	-	-	-	
	2nd	5	Kerf of a homo. Theorem Fundamental theorem example	-	teaching	5	Yes	-	-	-	-	-	

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M.B. Rajya

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M. B. Rajya

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M. B. Rajya




ANNUAL CURRICULAR					PLAN (Year)							
NAME OF THE LECTURER: M.B. RAJYA LAKSHMI					CLASS: IV BSc mpc				Semester: V <sup>th</sup>			
					CURI-CULAR ACTIVITY				CO-CURI-CULAR 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
	3 <sup>rd</sup>	6	maximal Ideal def, the- orems & p.2. Theorems embeded thelem	Prime field.	teaching & showing in ppt	5	yes	-	Assignment	1	yes	-
	4 <sup>th</sup>	6	unit-III Derivatives of a vect. function	-	teaching	6	yes	-	-	-	-	-
			Problems on exercise (a)	-	-	-	-	-	-	-	-	-
	5 <sup>th</sup>	2	Problems on exercise (b)	-	teaching	2	yes	-	-	-	-	-
Aug	1 <sup>st</sup>	4	Differential operators Ex-(a) Problems &	-	teaching	4	yes	-	-	-	-	-
			Theorems & ex-(b) Problems	-	-	-	-	-	-	-	-	-
	2 <sup>nd</sup>	5	exercise (c) Problems unit-IV: Integration	-	teaching	5	yes	-	-	-	-	-
			of vects: Problems on ex-(a) & ex-(b)	-	-	-	-	-	-	-	-	-
	3 <sup>rd</sup>	2+30m	Problems on ex-(b) Ex mid examination.	-	teaching	2	yes	-	-	-	-	-

mathe matly - Paper - SA  
Paper : SA Ring theory, vector  
calculus

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M.B. Rajya

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ANNUAL CURRICULAR					PLAN <sup>III</sup> (Year)							
NAME OF THE LECTURER: M. B. RASTA Lakshmi					CLASS: <u>IN BSc MPC</u> Semester: <u>Vth</u>			Paper: <u>SA</u> <sup>mathematics-Paper-SA</sup> <u>Vector &amp; Calculus</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
	4 <sup>th</sup>	5	Problems on surface Evolve Integral	-	teaching	5	Yes	-	-	-	-	-
sep	5 <sup>th</sup>	5	Unit-V: Integral Transformation of	-	teaching	5	Yes	-	-	-	-	-
			Gauss theorem, Prob lem & Green's theorem	-	-	-	-	-	-	-	-	-
sep	1 <sup>st</sup>	1	Problems on Green's theorem	-	teaching	1	Yes	-	-	-	-	-
	2 <sup>nd</sup>	4	Stokes theorem & Problems	-	teaching	4	Yes	-	-	-	-	-

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