



**St.Thomas College of Arts and Science**  
**Koyambedu, Chennai-107**  
**Lesson Plan**



**Name of the Assistant Professor: P.PUNITHA ELIZABETH**

**Department :MATHEMATICS**

**LESSON PLAN -18 WEEKS (NOVEMBER 2019 - MARCH 2020)**

Week	Date	Day	CLASS: III MATHS COMPLEX ANALYSIS (IV SEM)	CLASS:II CS STATISTICAL METHODS & THEIR APPLICATIONS (IV SEM)	CLASS:II PSY QUANTITATIVE APTITUDE (IV SEM)	CLASS : II BBA OPERATIONS RESEARCH ( IV Sem)	
1	28-Nov-19	THURSDAY	Introduction	Introduction		Syllabus, Unit II -Transportation problems - Introduction and Basics	
	29-Nov-19	FRIDAY	Complex number - Definition & BASIS RESULTS		Introduction- Divisibility	Northwest corner method	
	30-Nov-19	SATURDAY	Functions of complex variable		A.P&G.P-Problems	Rows and column minima problem	
	1-Dec-19	SUNDAY	<b>HOLIDAY</b>				
2	2-Dec-19	MONDAY	Limits - theorems on limits			Least corner method	
	3-Dec-19	TUESDAY	Continuity,derivatives			Vogel's approximation method	
	4-Dec-19	WEDNESDAY	Differentiation formulae	concepts of random variables		Optimal Solution for VAM	
	5-Dec-19	THURSDAY	Problems	Types of Random variables		VAM problems	
	6-Dec-19	FRIDAY	Cauchy -Riemann equation		Problems on HCF&LCM	Assignment problem methods	
	7-Dec-19	SATURDAY	Sufficient condition for differentiability		Problems on decimal fractions	Assignment problem	
	8-Dec-19	SUNDAY	<b>HOLIDAY</b>				
3	9-Dec-19	MONDAY	Problems	Mathematical expectations		Assignment - I	
	10-Dec-19	TUESDAY	forms			Introduction to OR	
	11-Dec-19	WEDNESDAY	analytic functions	continuous random variables		Revision	
	12-Dec-19	THURSDAY	Harmonic function - problems	cumulative distribution function		Seminar - I	
	13-Dec-19	FRIDAY	necessary conditions for Analytic Function		Square root and cube roots,logarithms	Unit III-Network Analysis - Introduction	
	14-Dec-19	SATURDAY	Assignment - I		Avengers and Percentages	Basic Terminologies	
	15-Dec-19	SUNDAY	<b>HOLIDAY</b>				
4	16-Dec-19	MONDAY	Linear functions			Dummy Activity, Network	
	17-Dec-19	TUESDAY	The transformation $w = 1/Z$			Critical Path, Float	
	18-Dec-19	WEDNESDAY	Linear fractional transformation			Critical path method	
	19-Dec-19	THURSDAY	An Implicit form			PERT Network	
	20-Dec-19	FRIDAY	Exponential transformations			Optimistic, Pessimistic, Most likely	
	21-Dec-19	SATURDAY	Seminar- I			PERT procedure	
	22-Dec-19	SUNDAY	<b>HOLIDAY</b>				
	23-Dec-19	MONDAY	<b>HOLIDAY</b>				
	24-Dec-19	TUESDAY	<b>HOLIDAY</b>				
25-Dec-19	WEDNESDAY	<b>HOLIDAY</b>					

5	26-Dec-19	THURSDAY	<b>CHRISTMAS HOLIDAYS</b>							
	27-Dec-19	FRIDAY								
	28-Dec-19	SATURDAY								
	29-Dec-19	SUNDAY								
	30-Dec-19	MONDAY								
	31-Dec-19	TUESDAY								
	1-Jan-20	WEDNESDAY								
	2-Jan-20	THURSDAY								
6	3-Jan-20	FRIDAY	Logarithmic transformations	Problems on chebychev's inequality		Theory Notes				
	4-Jan-20	SATURDAY	The transformation $w = \sin z$			Revision				
	5-Jan-20	SUNDAY	<b>HOLIDAY</b>							
7	6-Jan-20	MONDAY	<b>INTERNAL ASSESSMENT-1</b>							
	7-Jan-20	TUESDAY								
	8-Jan-20	WEDNESDAY								
	9-Jan-20	THURSDAY								
	10-Jan-20	FRIDAY								
	11-Jan-20	SATURDAY					Conformal mapping			Theory Notes
	12-Jan-20	SUNDAY					<b>HOLIDAY</b>			
8	13-Jan-20	MONDAY	<b>PONGAL HOLIDAYS</b>							
	14-Jan-20	TUESDAY								
	15-Jan-20	WEDNESDAY								
	16-Jan-20	THURSDAY								
	17-Jan-20	FRIDAY								
	18-Jan-20	SATURDAY								
	19-Jan-20	SUNDAY								
9	20-Jan-20	MONDAY	Preservation of angles	Concept of sampling distribution		Unit V-Game Theory Introduction				
	21-Jan-20	TUESDAY	complex valued functions	standard error		Pure Strategy, Saddle point				
	22-Jan-20	WEDNESDAY	contours-contours integrals		partnership- Alligation and mixture	Mixed strategy Problem				
	23-Jan-20	THURSDAY	Anti derivatives		Time and work	Saddle point using pure strategy				
	24-Jan-20	FRIDAY	Cuchy's theorem	Test of significance		Mixed strategy problem				
	25-Jan-20	SATURDAY	Cauchy's Goursat theorem			Mixed strategy problem				
	26-Jan-20	SUNDAY	<b>HOLIDAY</b>							
	10	27-Jan-20	MONDAY	Cauchy's integral formula	T- Test		Dominance property procedure			
28-Jan-20		TUESDAY	Derivatives of analytic functions	problems on T- test		Dominance property problem				
29-Jan-20		WEDNESDAY	Liouville's theorem		Pipes and cistern	Graphical Method				
30-Jan-20		THURSDAY	Fundamental theorem of Algebra		Time and distance	Decision Theory - Introduction				
31-Jan-20		FRIDAY	Maximum moduli of functions	F - test		Criteria for Decision Making				
1-Feb-20		SATURDAY	convergence of sequences			Expected value of Perfect information				
2-Feb-20		SUNDAY	<b>HOLIDAY</b>							
11	3-Feb-20	MONDAY	convergence of series	problems on F- test		Decision tree- Rules and problem				
	4-Feb-20	TUESDAY	Assignment - II	chi square test		Baye's theorem Statement				
	5-Feb-20	WEDNESDAY	Taylor's series		Boats and streams	Seminar -II				
	6-Feb-20	THURSDAY	workout problems		Simple interest and compound interest	Unit IV-Queueing Introduction				

	7-Feb-20	FRIDAY	Lauren'ts series	problems on chi square test		Single Channel queueing
	8-Feb-20	SATURDAY	Seminar- II			Elementary idea of different models
	9-Feb-20	SUNDAY	<b>HOLIDAY</b>			
12	10-Feb-20	MONDAY	<b>INTERNAL ASSESSMENT-2</b>			
	11-Feb-20	TUESDAY				
	12-Feb-20	WEDNESDAY				
	13-Feb-20	THURSDAY				
	14-Feb-20	FRIDAY				
	15-Feb-20	SATURDAY	Zeros of Analytic functions			Assignment - II
	16-Feb-20	SUNDAY	<b>HOLIDAY</b>			
13	17-Feb-20	MONDAY	Isolated singularity and its classification	F - test with respect to variance		Queueing problems
	18-Feb-20	TUESDAY	Residues	Tesf of independence in contingency table		Queueing problems
	19-Feb-20	WEDNESDAY	residues theorem ,Rouches theorem		Stocks ad shares	Queueing problems
	20-Feb-20	THURSDAY	Arugment principles		True discount and bankers discount	Assignment - III
	21-Feb-20	FRIDAY	workout proplems residues at poles	Assignment		Revision
	22-Feb-20	SATURDAY	Workout problems			Unit-I- OR Introduction
	23-Feb-20	SUNDAY	<b>HOLIDAY</b>			
14	24-Feb-20	MONDAY	Evaluation of IMPROPER integrals	workout problems		Meaning and scope
	25-Feb-20	TUESDAY	Improper integrals involving sines	correlation coefficient theory of atributes		Models in OR
	26-Feb-20	WEDNESDAY	workout problems		Area volume and surface volume	LPP formulation
	27-Feb-20	THURSDAY	Improper integrals invoilving cosines		Heights and distances ,Assignment	Graphical method problems
	28-Feb-20	FRIDAY	workout problems			Graphical method problems
	29-Feb-20	SATURDAY	workout problems			Simplex method Problems
	1-Mar-20	SUNDAY	<b>HOLIDAY</b>			
15	2-Mar-20	MONDAY	Definite integrals involving sines & cosines	Seminar		Simplex method Problems
	3-Mar-20	TUESDAY	Assignment - III	problems on chi square test		Big M method Problems
	4-Mar-20	WEDNESDAY	workout problems		Data interpretation- Tabulation, Bar graphs, pie chart, line graph	Big M method Problems
	5-Mar-20	THURSDAY	Revision		Seminar	Application in Business
	6-Mar-20	FRIDAY	Revision	Revision		Merits and Demerits
	7-Mar-20	SATURDAY	Seminar- III			Seminar- III
	8-Mar-20	SUNDAY	<b>HOLIDAY</b>			
16	9-Mar-20	MONDAY	<b>INTERNAL ASSESSMENT- 3</b>			
	10-Mar-20	TUESDAY				
	11-Mar-20	WEDNESDAY				
	12-Mar-20	THURSDAY				
	13-Mar-20	FRIDAY				
	14-Mar-20	SATURDAY	Revision			Revision
	15-Mar-20	SUNDAY	<b>HOLIDAY</b>			

17	16-Mar-20	MONDAY	Revision	Revision		Revision	
	17-Mar-20	TUESDAY	Revision	Revision		Revision	
	18-Mar-20	WEDNESDAY	Revision		Revision	Revision	
	19-Mar-20	THURSDAY	Revision		Revision	Revision	
	20-Mar-20	FRIDAY	Revision	Revision		Revision	
	21-Mar-20	SATURDAY	Revision			Revision	
	22-Mar-20	SUNDAY	<b>HOLIDAY</b>				
18	23-Mar-20	MONDAY	Revision			Revision	
	24-Mar-20	TUESDAY	Revision			Revision	
	25-Mar-20	WEDNESDAY	<b>HOLIDAY</b>				
	26-Mar-20	THURSDAY	Revision	Revision	Revision	Revision	
	27-Mar-20	FRIDAY	Revision	Revision	Revision	Revision	

Week	Date	Day	CLASS: III	class:II CS	CLASS:I I PSY	Class : II BBA
1	#####	THURSDAY	Introduction	Introduction		Syllabus, Unit II - Transportation problems - Introduction and Basics
	#####	FRIDAY	Complex number - Definition & BASIS RESULTS		Introduction- Divisibility	Northwest corner method
	#####	SATURDAY	Functions of complex variable		A.P&G.P- Problems	Rows and column minima problem
	1-Dec-19	SUNDAY	<b>HOLIDAY</b>		<b>HOLIDAY</b>	
	2-Dec-19	MONDAY	Limits - theorems on limits			Least corner method
	3-Dec-19	TUESDAY	Continuity, derivatives			Vogel's approximation method
	4-Dec-19	WEDNESDAY	Differentiation formulae	concepts of random variables		Optimal Solution for VAM

2	5-Dec-19	THURSDAY	Problems	Types of Random variables		VAM problems
	6-Dec-19	FRIDAY	Cauchy - Riemann equation		Problems on HCF&LCM	Assignment problem methods
	7-Dec-19	SATURDAY	Sufficient condition for differentiability		Problems on decimal fractions	Assignment problem
	8-Dec-19	SUNDAY	<b>HOLIDAY</b>		<b>HOLIDAY</b>	
3	9-Dec-19	MONDAY	Problems	Mathematical expectations		Assignment - I
	10-Dec-19	TUESDAY	Cauchy - Riemann equation in polar forms			Introduction to OR
	11-Dec-19	WEDNESDAY	analytic functions	continuous random variables		Revision
	12-Dec-19	THURSDAY	Harmonic function - problems	cumulative distribution function		Seminar - I
	13-Dec-19	FRIDAY	necessary conditions for Analytic Function		Square root and cube roots, logarithms	Unit III- Network Analysis - Introduction

	14-Dec-19	ATURDAY	Assignme nt - I		Avengers and Percentag es	Basic Terminol ogies
	15-Dec-19	SUNDAY	<b>HOLIDAY</b>		<b>HOLIDAY</b>	
4	16-Dec-19	MONDAY	Linear functions			Dummy Activity, Network
	17-Dec-19	TUESDAY	The trnsform otion w =1 /Z			Critical Path, Float
	18-Dec-19	EDNESDA	Linear fractional transfor mation			Critical path method
	19-Dec-19	HURSDA	An Implicit form			PERT Network
	20-Dec-19	FRIDAY	Exponent ial transfor mations			Optimisti c, Pessimisti c, Most likely PERT procedur e
	21-Dec-19	ATURDAY	Seminar- I			PERT procedur e
	22-Dec-19	SUNDAY	<b>CHRISTMAS HOLIDAYS</b>		<b>CHRISTMAS HOLIDAYS</b>	
23-Dec-19	MONDAY					
24-Dec-19	TUESDAY					
25-Dec-19	EDNESDA					
26-Dec-19	HURSDA					
27-Dec-19	FRIDAY					
28-Dec-19	ATURDAY					
29-Dec-19	SUNDAY					
30-Dec-19	MONDAY					
31-Dec-19	TUESDAY					
5	1-Jan-20	EDNESDA				

	2-Jan-20	HURSDA				
6	3-Jan-20	FRIDAY	Logrithmic trnsformtions	Problems on chebychev's inequality		Theory Notes
	4-Jan-20	ATURDA	The trnsformation w = SIN Z			Revision
	5-Jan-20	SUNDAY	<b>HOLIDAY</b>		<b>HOLIDAY</b>	
7	6-Jan-20	MONDAY	INTERNAL ASSESSMENT-1		INTERNAL ASSESSMENT-1	
	7-Jan-20	TUESDAY				
	8-Jan-20	EDNESDA				
	9-Jan-20	HURSDA				
	10-Jan-20	FRIDAY				
	11-Jan-20	ATURDA	Conformal mapping			Theory Notes
	12-Jan-20	SUNDAY	<b>HOLIDAY</b>		<b>HOLIDAY</b>	
8	13-Jan-20	MONDAY	<b>PONGAL HOLIDAYS</b>		<b>PONGAL HOLIDAYS</b>	
	14-Jan-20	TUESDAY				
	15-Jan-20	EDNESDA				
	16-Jan-20	HURSDA				
	17-Jan-20	FRIDAY				
	18-Jan-20	ATURDA				
	19-Jan-20	SUNDAY				
9	20-Jan-20	MONDAY	Preservat ion of angles	Concept of sampling distributi on		Unit V- Game Theory Introduct ion
	21-Jan-20	TUESDAY	complex valued functions	standard error		Pure Strategy, Saddle point
	22-Jan-20	EDNESDA	contours- contours integrls		partnershi p- Alligation and mixture	Mixed strategy Problem



	23-Jan-20	THURSDAY	Anti derivatives		Time and work	Saddle point using pure strategy
	24-Jan-20	FRIDAY	Cuchy's theorem	Test of significance		Mixed strategy problem
	25-Jan-20	SATURDAY	Cauchy's Goursat theorem			Mixed strategy problem
	26-Jan-20	SUNDAY	<b>HOLIDAY</b>		<b>HOLIDAY</b>	
10	27-Jan-20	MONDAY	Cauchy's integral formula	T- Test		Dominance property procedure
	28-Jan-20	TUESDAY	Derivatives of analytic functions	problems on T- test		Dominance property problem
	29-Jan-20	WEDNESDAY	Liouville's theorem		Pipes and cistern	Graphical Method
	30-Jan-20	THURSDAY	Fundamental theorem of Algebra		Time and distance	Decision Theory - Introduction
	31-Jan-20	FRIDAY	Maximum modulus of functions	F - test		Criteria for Decision Making
	1-Feb-20	SATURDAY	convergence of sequences			Expected value of Perfect information
	2-Feb-20	SUNDAY	<b>HOLIDAY</b>		<b>HOLIDAY</b>	

11	3-Feb-20	MONDAY	convergence of series	problems on F- test		Decision tree-Rules and problem
	4-Feb-20	TUESDAY	Assignment - II	chi square test		Baye's theorem Statement
	5-Feb-20	WEDNESDAY	Taylor's series		Boats and streams	Seminar - II
	6-Feb-20	THURSDAY	workout problems		Simple interest and compound interest	Unit IV-Queueing Introduction
	7-Feb-20	FRIDAY	Lauren's series	problems on chi square test		Single Channel queueing
	8-Feb-20	SATURDAY	Seminar-II			Elementary idea of different models
	9-Feb-20	SUNDAY	<b>HOLIDAY</b>		<b>HOLIDAY</b>	
	10-Feb-20	MONDAY	INTERNAL ASSESSMENT-2		INTERNAL ASSESSMENT-2	
	11-Feb-20	TUESDAY				
12-Feb-20	WEDNESDAY					
13-Feb-20	THURSDAY					
14-Feb-20	FRIDAY					
12	15-Feb-20	SATURDAY	Zeros of Analytic functions			Assignment - II
	16-Feb-20	SUNDAY	<b>HOLIDAY</b>		<b>HOLIDAY</b>	
	17-Feb-20	MONDAY	Isolated singularity and its classification	F - test with respect to variance		Queueing problems

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18-Feb-20	TUESDAY	Residues	Tesf of independence in contouring Residue table		Queueing problems
19-Feb-20	WEDNESDAY	residues theorem, Rouches theorem		Stocks and shares	Queueing problems
20-Feb-20	THURSDAY	Argument principles		True discount and bankers discount	Assignment - III
21-Feb-20	FRIDAY	workout problems residues at poles	Assignment		Revision
22-Feb-20	SATURDAY	Workout problems			Unit-I-OR Introduction
23-Feb-20	SUNDAY	<b>HOLIDAY</b>		<b>HOLIDAY</b>	
24-Feb-20	MONDAY	Evaluation of IMPROPER integrals	workout problems		Meaning and scope
25-Feb-20	TUESDAY	Improper integrals involving sines	correlation coefficient theory of attributes		Models in OR
26-Feb-20	WEDNESDAY	workout problems		Area volume and surface volume	LPP formulation

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27-Feb-20	THURSDAY	Improper integrals involving cosines		Heights and distances, Assignment	Graphical method problems
28-Feb-20	FRIDAY	workout problems			Graphical method problems
29-Feb-20	SATURDAY	workout problems			Simplex method Problems
1-Mar-20	SUNDAY	<b>HOLIDAY</b>		<b>HOLIDAY</b>	
2-Mar-20	MONDAY	Definite integrals involving sines & cosines	Seminar		Simplex method Problems
3-Mar-20	TUESDAY	Assignment - III	problems on chi square test		Big M method Problems
4-Mar-20	WEDNESDAY	workout problems		Data interpretation- Tabulation, Bar graphs, pie chart, line graph	Big M method Problems
5-Mar-20	THURSDAY	Revision		Seminar	Application in Business
6-Mar-20	FRIDAY	Revision	Revision		Merits and Demerits

	7-Mar-20	ATURDAY	Seminar-III			Seminar-III
	8-Mar-20	SUNDAY	<b>HOLIDAY</b>		<b>HOLIDAY</b>	
16	9-Mar-20	MONDAY	INTERNAL ASSESSMENT- 3		INTERNAL ASSESSMENT- 3	
	#####	TUESDAY				
	#####	WEDNESDAY				
	#####	THURSDAY				
	#####	FRIDAY				
	#####	ATURDAY	Revision			Revision
	#####	SUNDAY	<b>HOLIDAY</b>		<b>HOLIDAY</b>	
17	#####	MONDAY	Revision	Revision		Revision
	#####	TUESDAY	Revision	Revision		Revision
	#####	WEDNESDAY	Revision		Revision	Revision
	#####	THURSDAY	Revision		Revision	Revision
	#####	FRIDAY	Revision	Revision		Revision
	#####	ATURDAY	Revision			Revision
	#####	SUNDAY	<b>HOLIDAY</b>		<b>HOLIDAY</b>	
18	#####	MONDAY	Revision			Revision
	#####	TUESDAY	Revision			Revision
	#####	WEDNESDAY	<b>HOLIDAY</b>		<b>HOLIDAY</b>	
	#####	THURSDAY	Revision	Revision	Revision	Revision
	#####	FRIDAY	Revision	Revision	Revision	Revision