Teacher Profile Dr. Abhishek Kr. Singh Department of Mathematics Kalindi College, University of Delhi, Delhi- 110008 Mobile: +91-9015737554			Marks	Theory	75 Marks		
			Distribution				
				Internal Assessment	Assignments- 10 Marks		
					Test- 10 Marks		
					Attendance- 5 Marks		
				Practical	50 Marks		
e- mail: d	Dhishek@kalinul.du.ac.in	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		Total Marks	150		
				Lectures 4 per week.			
		and the second s		Practical 4 per week.			
		State State					
		SPECIFIC CONTRACTOR OF CONTRACTOR					
		PHOTO					
Reference							
hereitette		PEARSON EDUCATION, DELHI-07					
	Week	Topics(THEORY)				PRACTICAL.	
	Beginning days/ 1 st week	FUNCTIONS OF SEVEREL VARIABLES					
	26 AUG-3 SEP	LIMIT AND CONTINUITY OF FUNCTIO	IT AND CONTINUITY OF FUNCTIONS OF TWO VARIABLES.				
	2 nd week	2 nd week PARTIAL DIFFERENTIATION. 5-10 SEP TOTAL DIFFERENTIABILITY AND DIFFERENTIABILITY.					
	5-10 SEP						
		SUFFICIENT CONDITION FOR DIFFERENTIABILITY.					
	3 rd week	CHAIN RULE FOR ONE AND TWO INDEPENDENT PARAMETERS.					
	12-17 SEP	DIRECTIONAL DERIVATIVES.THE GRA	DIENT.			SURFACES AND TO	
		MAXIMAL AND NORMAL PROPERTY	OF THE GRADIENT. TA	ANGENT PLANES.		FIND LIMIT.	
	4 th week	EXTREMA OF FUNCTIONS OF TWO V	ARIABLES OF TWO VA	ARIABLES.		3.TO DRAW	
	19-24 SEP	METHOD OF LAGRANGE MULTIPLIER	RS.			TANGENT PLANE	
		CONSTRAINED OPTIMIZATION PROB	LEMS.			OF THE SURFACES	
		DEFINITION OF VECTOR FIELD. DIVER	RGENCE AND CURL.			AT GIVEN POINT.	
	5 th week	DOUBLE INTEGRATION OVER RECTAI	NGULAR REGION.			5. TO FIND	
	26 SEP- 1 OCT	DOUBLE INTEGRATION OVER NON-R	ECTANGULAR REGIO	Ν.		CRITICAL POINTS	
						AND IDENTIFY	
						RELATIVE MAXIMA	
						AND MINIMA OR	
						SADDLE POINTS.	
	6 th week	DOUBLE INTEGRAL IN POLAR	6. TO DRAW				
	3-8 OCT	REGIONS.				REGIONS D.	
	7 th week	VOLUME BY TRIPLE INTEGRA	LS.			7. CONDITION TO	
	10-15 OCT	CYLINDRICAL AND SPHERICA	SATISFY THE				
	8 th week	CHANGE OF VARIABLES IN DO	DOUBLE INTEGRALS AND TRIPLE INTEGRALS.			8. LIMIT OF THE	
	17-22 OCT					FUNCTIONS WHEN	
						TENDS TO 0.	
	9 th week	LINE INTEGRALS.				9. LIMIT OF THE	
	25-29 0CT	APPLICATIONS OF LINE INTEG	GRALS.			FUNCTION TENDS	
		MASS AND WORK.				TO INFINITY.	

	10 th week.	FUNDAMENTAL THEOREM FOR LINE INTEGRALS.	10. VERIFICATION				
	31 OCT- 5 NOV	CONSERVATIVE VECTOR FIELDS.	OF MAXIMUM-				
			MINIMUM				
			THEOREM				
	11 th week	INDEPENDENCE OF PATH.	11. VERIFICATION				
	7-12 NOV	GREEN'S THEOREM.	OF FIRST				
		SURFACE INTEGRALS.	DERIVATIVE TEST.				
	12 th week	INTEGRALS OVER PARAMETRICALLY DEFINED SURFACES.	12. TAYLOR'S				
	14-19 NOV		SERIES.				
	13 th week	STOKES'S THEOREM.					
	21-26 NOV						
	14 th week	DIVERGENCE THEOREM.					
	28 NOV- 3 DEC						
5- 12 DEC (15 TH and 16 TH Week)- REVISION.							