

Lesson Plan & Work-done Diary for AY:2024-25, EVEN Semester

Course with Code: BCS405A, DISCRETE MATHEMATICS				Faculty:			Semester & Section: IV 'CD'	
Class No.	Date planned (DD/MM)	Topics to be covered	TLP Planned	Class No.	Date of Conduction (DD/MM)	Topics Covered	TLP Executed	Remarks if any deviation
Module-2 (PROPERTIES OF THE INTEGERS)								
9		Mathematical Induction-well Ordered Principle	Chalk and Talk					
10		Problems on Mathematical Induction	Chalk and Talk					
11		Recursive Definition, problems on recursive explicit methods	Chalk and Talk					
12		The Rules of Sum and Product	Chalk and Talk					
13		Permutations & Combinations	Chalk and Talk					
14		Problems on Permutations & Combinations	Chalk and Talk					
15		Binomial and Multinomial Theorems	Chalk and Talk					
16		Problems on Binomial and Multinomial Theorems	Chalk and Talk					
17		Combination with Reputations	Chalk and Talk					

Course with Code: BCS405A, DISCRETE MATHEMATICS			Faculty:				Semester & Section: IV 'CD'	
Class No.	Date planned (DD/MM)	Topics to be covered	TLP Planned	Class No.	Date of Conduction (DD/MM)	Topics Covered	TLP Executed	Remarks if any deviation
MODULE-4 (THE PRINCIPLE OF INCLUSION AND EXCLUSION)								
27		Principle of Inclusion and Exclusion	Chalk and Talk					
28		Problems on Principle of Inclusion and Exclusion	Chalk and Talk					
29		Derangements	Chalk and Talk					
30		Problems on Derangements	Chalk and Talk					
31		Rook Polynomials	Chalk and Talk					
32		Problems on Rook Polynomials	Chalk and Talk					
33		First-order Recurrence Relations	Chalk and Talk					
34		Problems on First-order Recurrence Relations	Chalk and Talk					
35		Second-order Homogeneous Recurrence Relations	Chalk and Talk					

	Activity	Planned	Actual	Remarks		
1	Theory Classes	43				
2	Assignments/ Quizzes/ Self-study	2 Assignments 5 quizzes				
3	Tutorials/ Extra classes	-				
4	Internal Assessments	3				
5	ICT based Teaching (% of usage in Curriculum)	-				
Planning			Execution			
Faculty Signature:		Faculty Signature:				
HoD Signature:		HoD Signature:				