CSE-2733: Intermediate Discrete Mathematics Homework problems are colored by Light BLUE Lesson Plan

	Lesson Plan			
Lectur	Topics	Chapters	Problems to be discussed	
eHour			in class and	
			Assignment problems	
1	Languages: Finite State	Chapter 6(6.1)	Definition-6.1, 6.2, 6.4, 6.5, 6.6,	
	Machines Language: The Set	Pg.310-316	6.7, 6.9, 6.10	
	Theory of Strings Problem Solving	EXERCISE (6.1) Pg. 317-318	Example-6.1, 6.3, 6.7, 6.8	
	Colving	1 g. 317-310	Exercise-No. 1, 3, 4, 8, 10	
2	Finite State Machines: A First	Chapter 6(6.2)	Definition-6.13	
	Encounter	Pg.320-324	Example-6.17, 6.19	
	Problem Solving	EXERCISE (6.2) Pg.324	Exercise- No.1, 3	
3	Relations: The Second Time	<u>-</u>	D 5 10 74 75 76	
3	Around	Chapter 7(7.1) Pg.337-342	Definition-7.1, 7.2, 7.3, 7.4, 7.5, 7.6,	
	Relations Revisited:	EXERCISE (7.1)	7.7	
	Properties of Relations	Pg.343	Example-7.1, 7.4, 7.5, 7.6, 7.8, 7.9 ,	
	Problem Solving		7.11, 7.12 Exercise- No.1, 5, 6	
4	Computer Begagnition: Zero	Chapter 7/7 2)		
4	Computer Recognition: Zero- One Matrices and Directed	Chapter 7(7.2) Pg.344-352	Definition-7.8, 7.9, 7.10, 7.14, 7.15	
	Graphs	EXERCISE (7.2)	Example-7.17, 7.19, 7.21, 7.22 ,	
	Problem Solving	Pg.354-355	7.25, 7.27, 7.28	
	_	ŭ .	Exercise- No.1, 18, 4, 5, 19	
5	Equivalence Relations and	Chapter 7(7.4)	Definition-7.21, 7.22	
	Partitions	Pg.366-369	Example-7.53, 7.54, 7.55, 7.56, 7.58	
	Problem Solving and Gate	EXERCISE (7.4) Pg.370	Theorem-7.6, 7.7(Only	
	questions	F 9.370	Statement)	
6	The Dringiple of Inclusion	Chapter 9/9 1)	Exercise-No. 1, 3, 5, 8	
6	The Principle of Inclusion and Exclusion	Chapter 8(8.1) Pg.386-391	Theorem- 8.1(Only Statement) Example-8.1, 8.2, 8.4,8.5 ,	
	Problem Solving	EXERCISE (8.1)	Example 6.1, 6.2, 6.4,6.6 ,	
		Pg.396-397	Exercise-No.1 3, 5, 6	
		01 (0(0.4)		
7	Syllabus Introduction	Chapter 9(9.1)	Example-9.1, 9.2, 9.3	
	Generating Functions,	Pg.415-417 EXERCISE (9.1)	Exercise- No.1, 2, 5	
	Introductory Examples	pg. 417		
	Problem Solving			
8	Definition and Examples:	Chapter 9 (9.2)	Definition- 9.1	
	Calculational Techniques	Pg.418-426	Example-9.4, 9.5, 9.6, 9.7, 9.8, 9.9 ,	
	Problem Solving	EXERCISE (9.2) Pg.431	9.10, 9.11, 9.14 Exercise- No.1, 2, 4, 5, 3. 6, 7	
		1 9.701		
9	The First-Order Linear	Chapter 10(10.1)	Example-10.1, 10.2, 10.4 , 10.7	
	Recurrence Relation	Pg.447-452	Exercise- No.1, 2, 3, 4, 5	
	Problem Solving	EXERCISE (10.1) Pg.455		
10	The Second-Order Linear	Chapter 10(10.2)	Example-10.9, 10.10, 10.18,	
	Homogeneous Recurrence	Pg.457-467	10.20, 10.21, 10.23	
	Relation with Constant	EXERCISE(10.2)	Exercise- No.1, 3	
	Coefficients	Pg.468	·	
	Problem Solving			