

Session: 2020-2021

Course: B.Tech

Name of the Faculty	:	Mr. Sunny Kalra
Discipline	:	BBA
Semester	:	1 ST sem
Subject	:	Business Mathematics
Lesson Plan Duration	:	15 Weeks (From Sept. 2020 to November 30)
Work load (Lectures/Practical)		
Per week (in hours)	:	Lectures-04, Practicals-00

WEEK	THEORY		PRACTICAL	
	LECTURE DAY	TOPIC (including assignment /test)	PRACTICAL DAY	TOPIC
1 ST	1 st	Theory of Sets : introduction, meaning of Sets	NO PRACTICALS	
	2 nd			
	3 rd	Types of sets and presentation		
	4 th			
2 ND	5 TH	Equality of sets and its problems, Union, intersection, complement & difference of sets		
	6 TH			
	7 TH			
	8 TH			
3 rd	9 TH	Venn diagrams and its problems .ASSIGNMENT -1		
	10 TH			
	11 TH			
	12 TH			
4 th	13 TH	Cartesian products of two sets and applications of set theory		
	14 TH			
	15 TH			
	16 TH			
5 th	17 TH	Arithmetic and geometric progressions and there business .ASSIGNMENT -2		
	18 TH			
	19 TH	AP &GP based problems		
	20 TH			
6 th	21 TH	Sum of squares and cubes of first n natural numbers		
	22 TH			
	23 TH			
	24 TH			
7 th	25 TH			
	26 TH			

	27 TH	SESSIONAL-I EXAMINATION	
	28 TH		
8 th	29 TH	Combination and its related problems .ASSIGNMENT -3	
	30 TH		
	31 TH	Binomial theorem and its related problems ,introduction of matrices & its types	
32 TH			
9 th	33 TH	Properties of matrices and Addition transpose and multiplication matrices and its problems	
	34 TH		
	35 TH		
	36 TH		
10 th	37 TH	Inverse of matrices and its problems .ASSIGNMENT -4	
	38 TH		
	39 TH		
	40 TH		
11 th	41 TH	Properties of determinants Linear Equation ; differentiate and integration of standard algebraic functions	
	42 TH		
	43 TH		
	44 TH		
12 th	45 TH	Solution of simultaneous.	
	46 TH		
	47 TH	Assignment -5	
	48 TH		
13 th	49 TH	Business application of matrices	
	50 TH		
	51 TH		
	52 TH	Differentiation and integration problems	
14 th	53 TH	SYLLABUS REVISION	
	54 TH	SYLLABUS REVISION	
	55 TH	SYLLABUS REVISION	
	56 TH	SYLLABUS REVISION	
15 th		PRE-UNIVERSITY EXAMINATIONS	