


SRI VENKATESWARA VIDHYA MANDHIR HIGHER SECONDARY SCHOOL, THALIKKOTTAI

VOLUME - I (UNIT-1,2,3,4,5,6)

UNIT-1	1.SETS,RELATIONS AND FUNCTIONS			
	2 MARKS		3 MARKS	
EXERCISE	SUMS	EXERCISE	SUMS	
EX:1.1	1,2,3,5,6,7	EX:1.1	4(iv to vi)	
EX:1.2	1,6,8	EX:1.2	2,3,4,5,7	
EX:1.3	1,18	EX:1.3	2,3,15,17,19,20	
EXAMPLE	1.1 to 1.4,1.6,1.7,1.9,1.11,1.12	EXAMPLE	1.5,1.10,1.13,1.30	
UNIT -2	2. BASIC ALGEBRA			
	2 MARKS		3 MARKS	
EXERCISE	SUMS	EXERCISE	SUMS	
EX:2.2	1(i to iv),iii	EX:2.2	2 to 6	
EX:2.3	1,2,5	EX:2.3	3,4,10,8	
EX:2.4	1,2,8 ,9,10	EX:2.4	4 to 7,6	
EX:2.11	1,5,6	EX:2.5	1,2	
EX:2.12	1,2,4,6,9	EX:2.9	1,2	
		EX:2.11	3,4,7	
		EX:2.12	3,5,8,12	
EXAMPLE	2.1 to 2.5,2.10,2.11,2.31,2.32, 2.34 to 2.40,2.3,2.38	EXAMPLE	2.6 to 2.9,2.12 to 2.15,2.25,2.8,2.33	
UNIT-3	3.TRIGONOMETRY			
	2 MARKS		3 MARKS	
EXERCISE	SUMS	EXERCISE	SUMS	
EX:3.1	2	EX:3.2	4,7 to 10	
EX:3.2	1,2,3,5,6	EX:3.3	4,5,6	
EX:3.3	1,2,3	EX:3.4	1 to 4, 6 to 9,13 to 20,2,8,17,19	
EX:3.4	5,12	EX:3.5	2,4,5,6,8	
EX:3.5	1,7	EX:3.6	3,6,8,9,13,14	
EX:3.6	1,2,7			
EXAMPLE	3.4,3.5 to 3.12,3.15,3.17,3.21 to 3.28, 3.33 to 3.36,3.7,3.8,3.11,3.22,3.25	EXAMPLE	3.13,3.14,3.16,3.18 to 3.20,3.29 to 3.31,3.37.3.38,	
UNIT-4	4.COMBINATORICS AND MATHEMATICAL INDUCTION			
	2 MARKS		3 MARKS	
EXERCISE	SUMS	EXERCISE	SUMS	
EX:4.1	1,2,3,14,15	EX:4.1	1(v),2(i),4,5,6 to 9,16,10	
EX:4.2	1,4,9,10,12,13	EX:4.2	2,3,11,19,20	
EX:4.3	15,22	EX:4.3	1 to 5,16,23	
EXAMPLE	4.1 to 4.8,4.11,4.13,4.15 to 4.23, 4.25,4.36,4.41,4.44,4.51 to 4.53,4.7, 4.18,4.21	EXAMPLE	4.9,4.10,4.12,4.14,4.24,4.26,4.28, 4.32,4.33,4.37 to 4.40,4.45 to 4.49, 4.54 to 4.57,4.59,4.60	
UNIT - 5	5.BINOMIAL THEOREM, SEQUENCE AND SERIES			

2 MARKS		3 MARKS	
EXERCISE	SUMS	EXERCISE	SUMS
EX:5.2	2	EX:5.2	3,5
EX:5.4	1	EX:5.4	2
EXAMPLE	5.20	EXAMPLE	5.14,5.15,5.17,5.18,5.21,5.24
UNIT-6			
6. TWO DIMENSIONAL ANALYTICAL GEOMETRY			
2 MARKS		3 MARKS	
EXERCISE	SUMS	EXERCISE	SUMS
EX:6.1	1,2	EX:6.1	3 to 8,11
EX:6.2	1,2,8,10	EX:6.3	5,7,8,9,12,13
EX:6.3	1 to 3,17	EX:6.4	4,8,9,18
EX:6.4	1,2,3		
EXAMPLE	6.1,6.2,6.8,6.9,6.24,6.34	EXAMPLE	6.3,6.4 to 6.7,6.11,6.14,6.16,6.17,6.22,6.25 to 6.29,6.32,6.20
VOLUME – II (UNIT -7,8,9,10,11,12)			
UNIT -7			
7.MATRICES AND DETERMINANTS			
2 MARKS		3 MARKS	
EXERCISE	SUMS	EXERCISE	SUMS
EX:7.1	16,20(i,ii),17	EX:7.1	1,15,21,22,23
EX:7.2	1,6,15 to 19, 21	EX:7.4	5,6
EX:7.4	1 to 4(i,ii)		
EXAMPLE	7.1,7.2,7.14,7.16 to 7.18 7.21,7.27,7.28,7.32 to 7.34	EXAMPLE	7.15,7.20,7.22,7.26,7.29 to 7.31
UNIT-8			
8. VECTOR ALGEBRA			
2 MARKS		3 MARKS	
EXERCISE	SUMS	EXERCISE	SUMS
EX:8.1	1,7,8,9,10,11	EX:8.1	2,3,4,5
EX:8.2	1,2,3,5,8,14,16	EX:8.2	4,6,7,11,12,13,15,17
EX:8.3	1,2,3,4,6,8,12,13	EX:8.3	5,7,9,10,11,14
EX:8.4	1,2,3,5	EX:8.4	4,6 to 10
EXAMPLE	8.1,8.4 to 8.6,8.8,8.11 to 8.16 8.18,8.20 to 8.22, 8.24,8.26	EXAMPLE	8.2,8.3,8.7,8.9,8.17,8.19,8.23
UNIT-9			
9. DIFFERENTIAL CALCULUS(LIMITS & CONTINUITY)			
2 MARKS		3 MARKS	
EXERCISE	SUMS	EXERCISE	SUMS
EX:9.1	7 to 15,19 to 23	EX:9.1	16 ,17,18
EX:9.2	1,2,3,6,9	EX:9.2	4,5,7,8,10 to 15
EX:9.3	1,2 to 7	EX:9.3	8,9,10
EX:9.4	1,2,3,14,15	EX:9.4	4 to 8,10,12,13,16,17,19,20,21
EX:9.5	1,2(1 to 10)	EX:9.5	3 to 7
EXAMPLE	9.1 to 9.7 to 9.12,9.16 to 9.25,9.30, 9.37,9.39	EXAMPLE	9.11,9.14,9.15,9.26 to 9.29,9.32 to 9.38
UNIT-10			
10. DIFFERENTIAL CALCULUS -DIFFERENCIABILITY AND METHODS OF DIFFERENTIATION			
2 MARKS		3 MARKS	
EXERCISE	SUMS	EXERCISE	SUMS
EX:10.1	1 to 7,6	EX:10.3	13 to 17,19 to 27
EX:10.2	1 to 20,(14 to 20)	EX:10.4	3.4,5,7 to 19,23,26
EX:10.3	1 to 12,18,11,20		

EX:10.4	1,6		
EXAMPLE	10.1 to 10.3,10.7 to 10.11, 10.14,10.15,10.17 to 10.20 10.26,10.33	EXAMPLE	10.12,10.13,10.16,10.19, 10.21,10.23,10.24 to 10.32,10.34 to 10.36,10.30
UNIT-11			
11. INTEGRAL CALCULUS			
2 MARKS		3 MARKS	
EXERCISE	SUMS	EXERCISE	SUMS
EX:11.1	1 to 4	EX:11.3	1 to 5,6
EX:11.2	1 to 5	EX:11.4	1,2,3
EX:11.8	1,2	EX:11.5	4 to 7,10,11,16,17
EX:11.9	1,3	EX:11.6	5,7,10,11,12,13,14
EX:11.10	1	EX:11.7	1,2
		EX:11.9	2,4
		EX:11.10	2,3
		EX:11.12	2
EXAMPLE	11.1 to 11.8,11.15 to 11.17,11.20,11.26 11.30 to 11.33,11.36,11.37(1,2,3)	EXAMPLE	11.8(2.3),11.9(1,2),11.10,11.30(v) 11.33(4),11.38(1 to 4),11.39(1 to 3) 11.41(1,2)
UNIT-12			
12. INTRODUCTION TO PROBABILITY THEORY			
2 MARKS		3 MARKS	
EXERCISE	SUMS	EXERCISE	SUMS
EX:12.2	1 to 4	EX:12.2	5,6
EX:12.3	1 to 3	EX:12.3	4,5,11,12
EXAMPLE	12.12 to 12.14,12.16 ,12.17	EXAMPLE	12.11,12.15,12.20
ALL THE BEST			
" MATHEMATICS IS NOT WORD, IT IS BEAUTIFUL UNDERSTANDING "			
BEST WISHES AND PREPARED BY		R.VIJAYARAGAVAN	
		19/05/22	
SRI VENKATESWARA VIDHYA MANDHIR HIGHER SECONDARY SCHOOL, THALIKKOTTAI			