

# KENDRIYA VIDYALAYA IIT CHENNAI

## CLASS XI - MATHEMATICS

### HALF YEARLY REVISION PROBLEMS

S. No.	Chapter Name	Marks Allotted	1Mark Questions		4 Mark Questions		6 Mark Questions	
			No. of Questions	Revision Questions	No. of Questions	Revision Questions	No. of Questions	Revision Questions
1	Sets	11	1	Ex. 1.3 – Problems 4,5,6,7; Ex. 1.4 – Problems 6,10	1	Ex.1.5 – Problems 4,5	1	Misc. Ex. – Word Problems using $n(A \cup B \cup C)$ – 14,15,16
2	Relations & Functions	9	1	Ex. 2.3 – Problems 2,5	2	Ex. 2.2 – Problems 1,2,5; Misc. Ex. – Problems 3,4,5,12	0	-
3	Trigonometric Functions	15	1	Ex. 3.3 – Problems 4,5,8; Ex. 3.4 – Problems 1,4	2	Ex. 3.3 – Problems 12,20,21,22,24,26; Ex. 3.4 – Problems 6,8,9; Ex. 3.5 – 5,10,12,13	1	Misc. Example – Problems 25,26,27,28,29; Ex. 3.4 – Problem 14,15; Example 27,28
4	Mathematical Induction	10	0	-	1	Ex. 4.1 – Problems 9,10	1	Ex. 4.1 – Problems 16,17,19,22,24; Example 6,7

5	Complex Numbers	8	0	-	2	Ex. 5.1 – Problems 11,14; Ex. 5.2 – Problems 2,5; Misc. Example – 13,14,15,16; Misc Ex. – 7,8,13,16,20	0	-
6	Linear Inequalities	10	0	-	1	Misc. Ex. – 11,12,13	1	Ex. 6.3 – Problems 12,13,14,15
7	Permutations & Combinations	11	1	Ex. 7.3 – Problem 6; Ex. 7.4 – Problems 2,3,6,8; Misc Ex. - 8	1	Ex. 7.3 – Problems 9,10,11; Misc. Example – 20,22,23,24	1	Misc. Example – 21; Example 19; Misc. Ex. – 3,7,11
8	Binomial Theorem	11	1	Ex. 8.1 – Problems 2,5; Ex. 8.2 – Problems 1,12; Misc Ex. - 2	1	Ex 8.2 – Problems 7,8,10; Misc. Example – 10,13	1	Misc. Example 8,9; Ex. 8.2 – Problem 10; Misc Ex. – Problem 1,3
9	Sequences & Series	15	1	Ex. 9.2 – Problems 4; Ex. 9.3 – Problems 5,6,7	2	Ex. 9.2 – Problems 9,11,12; Ex. 9.3 – Problems 12,13,18,22,25; Example 12,13,14,15;	1	Ex. 9.4 – Problems 3,6,7; Misc. Ex. – 8,10,16,18,21,24, 25

