MATHEMATICS SCHEME
J.S.3

SN	TOPICS	CONTENTS
1.	Number bases	Conversion from lower bases to higher bases
2.	Number bases	Conversion from higher bases to lower bases
3.	Number bases	Addition, subtraction and multiplication
4.	Word problems	Word problems involving sum, difference and product, combining product with sum and difference.
5.	Factorization of algebraic expressions	Factorization by taking common factors, by simplifying calculation and by grouping
6.	Expansion	Expansion of algebraic expressions, coefficient of terms

SN	TOPICS	CONTENTS
7.	Factorization	Factorization of quadratic expressions, perfect square, difference of two squares.
8.	Quadratic equations	Solving quadratic equations by factorization method
9.	Simultaneous equations	Solving simultaneous equations by substitution method
10.	Simultaneous equations	Solving simultaneous equations by elimination method.
11.	Formulae and substitution	Substitution of values in formula or equations
12.	Change of subject of formulae	Introduction and definition of formulae change the subject of a formula.

SN	TOPICS	CONTENTS
1.	Simple Interest and compound interest	Interest, amount, depreciation, inflation
2.	Variation	Direct variation, Inverse variation, joint variation and partial variation
3.	Trigonometry	Sine, cosine and tangent
4.	Statistics	Mean, median, mode and range of a frequency distribution
5.	Statistics	Frequency table, presentation of information on bar chart and pie chart