SYLLABUS FOR TET
Mathematics : For Paper-I
For Lower Primary Level-- Classes (I--V)
Total Marks : 30

Numbers-
Natural numbers, Whole numbers, Even and Odd numbers, Prime and Composite numbers, Place value system, Four fundamental operations on numbers(Addition, Subtraction, Multiplication and Division), Factors and Multiples, Prime Factors, Lowest Common Multiples (LCM), Highest Common Factors (HCF), Skip counting, Group counting, Comparison, Ascending and Descending Order, Application of numbers in real life, Unitary method and Average**.**

Fraction-
Concept of Fractions, Types of Fractions, Addition, Subtraction, Multiplication and Division of Fractions, Decimal Fractions, Percentage and their use.

Money-
Concept of Money, Conversion of Rupee to Paisa and vice versa, Four operations in solving problems involving money, Simple problems involving Profit and Loss.

Geometry and Mensuration-
Concept and understanding of different shapes, Line, Line Segment, Ray, Angles, Types of Angles, Types of Triangles, Types of Quadrilaterals, Circles. Length, Perimeter and Area of different Geometrical figures, Weight, Time, Capacity and Volume.

Data Handling-
Introduction to Data, Representation of Data, Pictograph, Bar Diagram, Pie chart and Draw Inferences.

Intergration of ICT in teaching Mathematics-

Importance of ICT in teaching Mathematics.

Use of ICT in teaching Mathematics

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SYLLABUS FOR TET
Mathematics : For Paper-II
For Upper Primary Level -- Classes (VI--VIII)
Total Marks : 30

Number System –
Natural numbers, Test of divisibility, Whole numbers, Negative numbers and Integers, Rational numbers, Irrational numbers, Fractions, Decimal fractions, LCM and HCF of rational numbers, Comparisons and operations of rational numbers, properties of numbers, Square, Square roots, cube, cube roots, powers and exponents, Laws of Exponents.

Socially applicable Mathematics–
Ratio and Proportion, Simple and Compound Interest, use of unitary method, Discount, Profit and Loss.

Algebra-
Preliminary concept of Algebra, Algebraic expressions and their types, Operations on algebraic expressions, Factorization on algebraic expressions ,Linear equations in one variable, Linear equations in two variables, Linear inequalities, Algebraic solutions of linear inequalities of one variable, Algebraic method of solutions of pair of Linear Equations.

Geometry and Mensuration-
Lines and angles, Pairs of angles, Properties of Triangles, Quadrilaterals and polygons, congruency of triangles, Area of triangle, Pythagoras Theorem, Perimeter and Area of different geometrical figures, Idea of Pie, Surface area and volume of Cube, Cuboid, Cone, Cylinder and Sphere, Surface area and volume of Combination of solids.

Introduction to Graphs and Data Handling-
Axes, Cartesian plane, co-ordinate of points, plotting of points in different situations, distance between two points, reading and drawing of linear graphs, Collection and organization of data, classification of data, class interval, frequency of a class, frequency distribution table, introduction of graphs, Bar and Pie graphs, reading Bar graphs, interpretation of data from graphs, Measures of Central Tendency.

Intergration of ICT in teaching Mathematics-
Importance of ICT in teaching Mathematics.

Use of ICT in teaching Mathematics

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