|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CLASS 9 MATH SYLLABUS | | | | | | | | | | |
| MONTH | CHAPTER | PERIOD | ACTIVITY/TOPIC | | PT | SUBJECT ENRICHMENT | MARKS DISTRIBUTION | | | |
| 1st TERM | 2nd TERM | | 3RD TERM |
| APRIL | UNIT 1 NUMBER SYSTEM | .18 | Introduction, International numbers, real numbers and their decimal expressions, representing real numbers on number line, operation on real numbers , law of exponent four real numbers | |  | Make project on number system |  |  | |  |
| MAY | UNIT 2 POLYNOMIAL | 26 | Introduction, polynomials in one variable , zero's of polynomial, remainder theorem, factorization of polynomial, Algebraic identities | |  | Make assignment related to this chapter, neat and clean work |  |  | |  |
| UNIT 3 Linear equations in two variables |  | Introduction, linear equations , solution of linear equation , graph of a linear equation Into variables , equation of lines parallel to x-axis and Y axis, summary | |  |  |  |  | |  |
| JUNE | UNIT 4 Coordinate geometry | 7 | Introduction , Cartesian system , Plotting a point in the plane if it's coordinates are given | |  | Make project related to Coordinate geometry |  |  | |  |
| UNIT 5 Introduction to Euclid‘s geometry | 7 | Introduction ,Euclid‘s definition , axioms and postulates, equivalent version, Euclid ‘s fifth postulate | |  | Make a assignment related to geometry , neat and clean work |  |  | |  |
| JULY | UNIT 6 Lines and angles | 15 | Introduction , basic terms and definitions , Intersecting lines and non-in intersecting lines , Parallel lines and transversal line | |  |  |  |  | |  |
| AUGUST/ SEPTEMBER |  |  | REVISION AND FIRST TERM EXAM | |  |  |  |  | |  |
| OCTOBER | UNIT 7 Triangle | 22 | Introduction , congruence of triangle, Some properties of triangle , criteria for congruence of triangle, inequalities in a triangle , summary | |  | Make model related to triangle |  |  | |  |
| UNIT 8 Quadrilateral | 13 | Introduction , Angle sum properties of a quadrilateral, types of quadrilateral , properties of parallelogram , midpoint theorem | |  | Neat and clean work regularity |  |  | |  |
| Nov | UNIT 9 Circles | 7 | Introduction, Circle And related its term, Perpendicular from Centre to a chord , Circle through three points , equal chord, subtended by an arc of a circle, cyclic quadrilateral. | |  | Make model of circle neat and clean work regularity |  |  |  | |
| UNIT 10 Mensuration | 5 | Introduction, Arc of a triangle by theorem, formula, summary | |  | Make assignment theorem’s formula |  |  |  | |
| DECEM |  |  | REVISION | |  |  |  |  |  | |
| JANUARY | UNIT 11 Surface area and volume | 17 | Introduction, surface area of a cuboid, circular cylinder , right circular cone, sphere, volume of a cuboid , cylinder, a right circular cone, spheres | |  | Make project on surface area and volume  Neat and clean work regularity |  |  |  | |
| UNIT 12 Statistics and probability | 15 | Introduction, collection of data , Presentation of data, graphical representation of data , measures of central tendency , Summary | |  | Make assignment on statistics and probability Neat and clean work regularity |  |  |  | |
| UNIT 13 Probability |  | Introduction , probability and experimental, approach summary | |  | Neat and clean work regularity |  |  |  | |
| FEB |  |  | REVISION | |  |  |  |  |  | |
| MARCH |  |  | FINAL TERM EXM |  | |  |  |  |  | |

|  |  |
| --- | --- |
| UNIT TEST  UNIT TEST 1 – CH- 1,2,3  UNIT TEST 2- CH – 4,5,6,7  UNIT TEST 3 – CH – 8,90,10  UNIT TEST 4 – CH – 11, 12, 13 | HALF YEARLY EXM – CH – 1,2,3,4,5,6  MID TERM – CH – 7,8,9,10  YEARLY – CH – 10, 211, 12, 13 |