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| CLASS 11 MATH SYLLABUS |
| Month | Chapter | Period | Activity Topics | P.T.(M.T) | Internal Assessment C.W./H.W., NOTEBOOK SUBMISSION Subject Enrichment | Marks |
| 1STTERM | 2NDTERM | 3RDTERM |
| JULY | Chapter 1 : sets | 15 | Introduction , sets and their representations, the empty sets and infinite sets, equal sets , subset, power set, universal set, Vann diagram, operations on sets, complement of a set , practical problem on union and intersection of two sets. |  | Activity 1 : To find the number of subsets of a given set and verify that if a set has n number of elements then the total number of subset is 2n. Activity - 2 to activity – 6 |  |  |  |
| Chapter 2 : Relations and functions | 7 | Introduction, Cartesian product of sets, Relations and functions |  |  |  |  |  |
| AUGUST | Chapter 3 : Trigonometric functions | 15 | Introduction , angles , trigonometric function, trigonometric functions of sum and difference of two and angles, trigonometric equations |  | Activity – 7 to activity – 10Neat and clean work regularity |  |  |  |
| Chapter 4 : Complex number and quadratic equation | 10 | Introduction , complex number, algebra of complex number , the modulus and the conjugate of complex number, plane and polar representation , quadratic equations |  | Activity – 11,12 Neat and clean work regularity |  |  |  |
| SEPTEMBER | Chapter 5 : linear inequalities | 10 | Introduction , inequalities, algebraic solution of linear inequalities in one variable and their representation on the number line. |  | Activity – 13Neat and clean work regularity |  |  |  |
| Chapter 6 : Permutations and Combinations | 12 | Introduction, fundamental principle of counting , permutations , combinations. |  | Activity – 14 |  |  |  |
|  |  | 1ST TERM EXAM  ch -1 to ch- 6 |  |  |  |  |  |
| OCTOBER  | Chapter 7 : Binomial theorem | 12 | Introduction, binomial theorem for positive integral indices general and middle terms. |  | Activity – 15 Neat and clean work regularity |  |  |  |
| Chapter 8 : Sequence and series | 10 | Introduction , sequence series, arithmetic progression , geometric progression, relationship between A.M. and G.M. , sum to n terms of a special series. |  | Activity – 16,17,18,19 Neat and clean work regularity |  |  |  |
|  NOVEMBER | Chapter 9 : Straight lines | 10 | Introduction, slope of a line, various form of equation of a line, general equation of a line, distance of a point from a line. |  | Activity – 20Neat and clean work regularity |  |  |  |
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| Chapter 10 : Conics sections  | 8 | Introduction, section of a cone, circle, parabola, ellipse, hyperbola .  |  | Activity – 21 : To construct different types of conic sections. Neat and clean work regularity  |  |  |  |
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| Chapter 11 : Introduction to three dimensional geometry |  |  |  | Activity – 22,23,24,25,26,27 Neat and clean work regularity |  |  |  |
| DECEMBER | Chapter 12 : Limits and derivatives | 15 | Introduction , intuitive idea of derivations, limit, limit of trigonometric functions, derivation. |  | Activity – 29 |  |  |  |
|  |  | Revision & mid term ch – 7 to ch – 12 |  |  |  |  |  |
|  JANUARY | Chapter 13 : Statistics | 10 | Measures of dispersion range, mean deviation, variance and standard deviation of ungrouped/ grouped data. |  | Activity – 30 |  |  |  |
| Chapter 14 : 14 Probability | 10 | Introduction, random experiments , events, arithmetic approach to probability |  | To write the sample space when a dice is rolled once, twice,…. Activity – 30 |  |  |  |
| FEBRUARY |  |  | REVISION CH - 1 TO CH - 14 |  |  |  |  |  |
| MARCH |  |  | FINAL EXM |  |  |  |  |  |

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| Portion for Monday test :- M.T. : -01 (5/08/2024) Portions :-CH-1 to ch - 4M.T. :- 04 ( 25/11/2024) Portions :- ch- 5 to ch- 9M.T. :- 05 ( 23/12/2024) Portions :- ch – 3 | Portion for Unit test :-Portions of UT – 02 [ ] Chapter - 1 ,2,3Portions of UT – 03 [ ] Chapter - 4,5,6,7,8Portions of UT – 04 [ ] Chapter - 9,10,11,12,13,14 |
| Portion for terminal exm :-1ST TERM EXM : CH -1 to CH –6 | MID TERM EXM Chapter - 7 to 12 | Final Term Ch – 1 to 14 |