

ACADEMIC PLANNER 2023-24

Sub : Mathematics

Class - X

| DATE | TOPIC | C.W / H.W / ASSIGNMENT | Activity/ Mode of Assessment |
|-------------|---|---------------------------|--|
| April | | | |
| 1 - 15 (9) | Ch 1. Real Numbers | | |
| | The Fundamental Theorem of Arithmetic | Ex. 1.1 | Online assesement |
| | Irrational Numbers | Ex. 1.2 | |
| 16-30 (11) | Ch.2 Polynomials | | |
| | Geometrical Meaning of the zeroes of a polynomial | Ex. 2.1 | Online assesement educosoft |
| | Polynomial | Ex.2.2 | |
| May | | | |
| 1 - 15 (11) | Ch. 3 Pair of Linear Equations In Two Variab | | |
| | Pair of linear equations in two variables | Ex -3.1 | Online assesement |
| | Graphical Method of solving a Pair of Linear | Ex-3.2 | |
| | Substitution Method | Ex-3.3 | |
| | Elimination Method | | |
| | Ch 14 Probability | | |
| | A Theoretical Approach | Ex.14.1 | |
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| JULY | | | |
| 1 - 15 (12) | Ch6. Triangles | | To prepare the perfect height finder. |
| | Similar Figures | Ex - 6.1 | |
| | BPT | Ex - 6.2 | |
| | Criteria for Similarity of Triangles | Ex - 6.3 | |
| | | | |
| 16-31 (12) | Ch. 8 Trigonometry | | To prepare the angle calculator |
| | Trigonometric Ratios | Ex. 8.1 | |
| | Trigonometric Ratios of Some Specific Angles | Ex. 8.2 | |
| | Trigonometric Identities | Ex. 8.3 | |
| August | | | |
| 1 - 15 (11) | Ch 7. Co-ordinate Geometry | | Online assesement educosoft |
| | Distance Formula | Ex. 7.1 | |
| | Section Formula | Ex. 7.2 | |
| | Ch13. Statistics | | |
| 16-31 (13) | Mean of a Grouped Data | Ex. 13.1 | Online assesement educosoft |
| | Median of a Grouped Data | Ex. 13.2 | |
| | Mode of a Grouped Data | Ex. 13.3 | |
| | Ch.11 Area Related to Circles | | |
| | Perimeter and Area of a Circle | Ex. 11.1 | |
| | Areas of Sector and Segment of a circle | Ex. 11.2 | |
| September | | | |
| 1 - 15 (11) | Ch12. Surface Areas and Volumes | | Online assesement |
| | Surface Area of Combination of Solids | Ex.12.1 | |
| | | | |
| | Revision For half Yearly Exams | | |
| 16-30 (12) | Half Yearly Exam | | |
| October | | | |
| 1 - 15 (10) | Ch12. Surface Areas and Volumes | | |
| | Volume of Combination of Solids | Ex.12.2 | |
| | Ch4. Quadratic Equations | | |
| | Introduction of Quadratic Equation | Ex. 4.1 | Online assesement |
| | Solution By Factorisation Method | Ex. 4.2 | |
| | Nature of roots | Ex. 4.3 | |

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| 16-31 (9) | <u>Ch.10 Circles</u> | | To verify that lengths of tangents from an external points to a circle are equal by paper folding ,cutting and pasting. |
| | Tangent to a Circle | Ex. 10.1 | |
| | Number of Tangents to a Circle | Ex.10.2 | |
| November | | | |
| 1 - 15 (9) | <u>Ch9. Applications ofTrigonometry</u> | | Online assesement educosoft |
| | Heights And Distances | Ex. 9.1 | |
| | <u>Ch5. Arithmetic Progression</u> | | Online assesement educosoft |
| | Introduction of Arithmetic Progressions | Ex. 5.1 | |
| | nth Term of an AP | Ex. 5.2 | |
| | | | |
| 16-30 (12) | <u>Ch5. Arithmetic Progression</u> | | |
| | Sum of First n terms of an AP | Ex. 5.3 | |
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| December | | | |
| 1 - 15 (12) | Revision of Preboard Exams & Preboard Exams | | |
| 16-31 (13) | Preboard 1 exams | | |
| | Discussion of Preboard papers | | |
| January | | | |
| 16-31 (13) | Revision of Board Exams | | |

| TERMWISE SYLLABUS | |
|-------------------|-----------------------------|
| Unit Test - 1 | Chapters-1, 2, 3, 14 |
| Half yearly Exams | Chapters -1,2,3,6,7,8,12,14 |
| Preboard Exams | Complete Syllabus |