**Modern School**

**Class XII Subject: Applied Mathematics(241) Session:2025-26**

**Book Prescribed : Applied Mathematics by M . L. Aggarwal**

**Month-wise Syllabus**

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| **Month** | **Chapter Number** | | **Chapter Title** |
| March | 1 | | **Number, Quantification and Numerical Applications** |
| April | 2  3  4 | | **Numerical Inequalities**  **Matrices**  **Determinants** |
| May | 5  6 | | **Differentiation**  **Applications of Derivatives** |
| July | 7  8 | | **Integrals & Applications of the Integrals**  **Differential Equations** |
| August | 9  10  11 | | **Probability**  **Inferential Statistics**  **Analysis of Time Series or Time Based data** |
| September |  | | **Revision and Half Yearly Exams** |
| October | 12  13  14 | | **Perpetuity, Sinking Fund & EMI**  **Return Growth and Depreciation**  **Linear Programming** |
| November |  | | **Revision and Pre board -I** |
| December |  | | **Revision and Pre board -II** |
| January |  | | **CBSE PRACTICAL EXAMS** |
| February |  | | **CBSE BOARD EXAMS** |
| EXAM | | MONTH | SYLLABUS |
| TERM-I | | May | Ch-1 Number, Quantification and Numerical Applications  Ch-2 Numerical Applications  Ch-3 Matrices  Ch-4 Determinants |
| TERM-II | | July | Ch-5 Differentiation  Ch-6 Application of derivatives |
| TERM-III | | August | Ch-7 **Integrals & Applications of the Integrals**  **Ch- 8 Differential Equations** |
| Half-yearly | | September | Ch-1 Number, Quantification and Numerical Applications  Ch-2 Numerical Inequalities  Ch-3 Matrices  Ch-4 Determinants  Ch-5 Differentiation  Ch-6 Application of derivatives  Ch-7 Integrals & Application of Integrals  Ch-8 Differential Equation  Ch-9 Probability  Ch-10 Inferential Statistics  Ch-11 Analysis of Time Series or Time based data |
| Pre board-I | | November | Full syllabus |
| Pre board-II | | December | Full syllabus |

Deleted/Added Syllabus

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| Chapter Name | Chapter No. | Deleted/Added Topics |
| Determinants | 4 | Deleted :Properties of Determinants |
| Differentiation | 5 | Deleted : Logarithmic differentiation |
| Application of Deivatives | 6 | Deleted :Tangents and Normal, Maxima Minima Applied problems restricted to optimisation of Profit, Cost and Revenue problems only |
| Integrals and Application of integrals | 7 | Deleted :Properties of Definite integrals  Added : Area under the Curve i.e. Applications of definite integral |
| Differential equation | 8 | Deleted :Application of Growth and Decay Model |
| Inferential Statistics | 10 | Deleted :Two Sample t-test |
| Returns, Growth and Depreciation | 13 | Deleted : Calculation of Return and Nominal rate of Return  Added : Valuation of Bonds |
| Linear programming | 14 | Deleted : Transportation Problems, Iso-profit and Iso-cost |

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