

**Modern School**

**Class: XI Subject: Applied Mathematics(241) Session :2025-2026**

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

**Month-wise Syllabus**

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| **Month** | **Chapter Number** | **Chapter Title** |
| April | 1  2  3 | Binary Numbers  Indices and Logarithms  Quantitative Aptitude |
| May | 5  6 | Sets and RelationsSequence and Series |
| July | 7  8 | Permutations and combinationsMathematical Reasoning |
| August | 9  10  11 | FunctionsLimits and ContinuityDifferentiation |
| September |  | Revision and half yearly exams |
| October | 12  13 | Probability  Descriptive Statistics |
| November | 14  15  16 | Compound Interest and AnnuitiesTaxationUtility Bills |
| December | 17  18 | **Straight Lines****Circle and Parabola** |
| January |  | Revision of Annual exams |
| February |  | ANNUAL EXAM |

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| EXAM | MONTH | SYLLABUS |
| PT-1 | May | Ch-1 Binary Numbers  Ch-2 Indices and Logarithms |
| PT2 | August | Ch-5 Sets and Relations  Ch-6 Sequence and Series  Ch-7 Permutations and combinations |
| Half-yearly | September | Ch-1 Binary Numbers  Ch-2 Indices and Logarithms  Ch-3 Quantitative Aptitude Ch-5 Sets and Relations Ch-6 Sequence and Series Ch-7 Permutations and combinations Ch-8 Mathematical Reasoning Ch-9 FunctionsCh-10 Limits and Continuity Ch- 11 Differentiation |
| PT3 | November | Ch-12 Probability  Ch-13 Descriptive Statistics |
| PT4 | December | Ch-14 Compound Interest and AnnuitiesCh-15 Taxation Ch-16 Utility Bills |
| Annual exams | February | Full syllabus |

Deleted/Added Syllabus

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| Chapter Name | Chapter No. | Deleted/Added Topics |
| Quantitative Aptitude | 3 | Deleted : Average |
| Mensuration | 4 | Deleted full Chapter |
| Functions | 9 | Deleted :Definition, Characteristic of Greatest Integer and Signum function |
| Probability | 12 | Deleted :Total Probability and Baye’s theorem |
| Descriptive Statistics | 13 | Deleted : Skewness, Kurtosis, Karl Pearson Coefficient of Correlation, Spearman Rank Correlation of grouped data, Quartile Rank, Product Moment Correlation |
| Compound Interest and Annuities | 14 | Deleted : Present Value, Net Present Value and future Value of deferred Annuity |
| Circles and Parabola | 18 | Deleted : Eccentricity of Parabola, Applications of Parabola |

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