

DETAILED SYLLABUS FOR PRE- OASIS (Class 9 & 10)

Areas	Chapter with Sub-topics
Statistics and Data Science	1.Managing Data <ul style="list-style-type: none">• Data Handling• Grouping Data• Tabulation and Histogram• Collection and Presentation 2.Data Visualisation <ul style="list-style-type: none">• Graphical Presentation 3.Measuring Data <ul style="list-style-type: none">• Frequency Distribution• Frequency Polygon• Histogram Vs Bar Chart• Measuring Central Tendency• Measuring of Data Dispersion• Building Z Scores 4.Experimental Approach to Measure Probability <ul style="list-style-type: none">• Experimental Approach• Random Experiments• Sample Space and Events• Defining Probability
Arithmetic	5.Comparing Quantities 6.Square and Square Roots 7.Cube and Cube Roots 8.Exponents and Powers 9.Direct and Inverse Proportion 10.Factorization
Financial Mathematics	11.Indices and Logs 12.Profit and Loss 13.Compound Interest 14.Banking, and Insurance Computation 15.Installment and EMI 16.GST and Income Tax Computation 17.Share and Dividends