**MATHEMATICS SYLLABUS**

**CLASS VIII**

**Session 2018 – 2019**

**Chapters:**

1. Rational numbers
2. Exponents
3. Squares and square roots
4. Cubes and cube roots
5. Playing with numbers
6. Algebraic expression
7. Factorization
8. Linear equation in one variable
9. Percentage
10. Profit and loss
11. Simple interest and Compound interest
12. Ratio and proportion
13. Direct and inverse proportion
14. Time and work
15. Polygons
16. Quadrilaterals
17. Construction of quadrilaterals
18. Three dimensional figures
19. Areas of two dimensional figures
20. Volumes and surface areas of solids
21. Data handling
22. Bar graphs, histograms and pie charts
23. Introduction to coordinate system
24. Probability

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|  | **TERM I SYLLABUS** | **TERM II SYLLABUS** |
| **PERIODIC TEST I** | Chapters 1, 2, 3, 4, 5, 8 and 9. |  |
| **MID TERM EXAM** | Chapters 1, 2, 3, 4, 5, 8, 9, 11, 16, 17, 18, 19. |  |
| **PERIODIC TEST II** |  | Chapters: 6, 7, 10, 12, 13 and 15. |
| **PERIODIC TEST III** |  | Chapters: 14, 20, 21, 22, 24. |
| **TERM END EXAM** |  | Chapters: 6, 7, 10, 12, 13, 14, 15, 21, 22, 23, 24.  **TERM I SYLLABUS CHAPTERS: 2, 8 and 16.** |