**Class: X (NCERT)**

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| **CHAPTER** | **SYLLABUS REDUCED** |
| 1 | Examples: 2, 3, 4  Theorem – 1.2 (Fundamental theorem of arithmetic)  Exercise: 1.1 Q 2 to 5  Example: 5  Exercise: 1.2 Q 5, 6, 7  Point 1.4 – Revisiting irrational numbers  Theorem: 1.3 and 1.4  Examples: 9, 10, 11  Exercise: 1.3  Theorem: 1.5 and 1.6 |
| 2 | 2.4 Division algorithm for polynomials.  Examples: 6, 7, 8, 9.  Exercise: 2.3 |
| 3 | Exercise: 3.1  Exercise : 3.2  Examples: 1, 4, 6, 7  Exercise: 3.3 Q. 3  Exercise: 3.4 Q. 2  Cross Multiplication Method (Topic No. 3.4.3)  Examples: 14, 15, 16  Exercise: 3.5 Q. 1, 2, 3, 4  Topic: 3.5 Equations Reducible to a pair of linear equations in two variable  Examples: 17, 18, 19  Exercise: 3.6 Q. 1, 2 |
| 4 | Topic: 4.4 – solution of a quadratic equation by completing square  Examples: 7, 8, 9, 11, 12  Exercise: 4.3 Q. 1, 9 to 11 |
| 5 | Exercise: 5.1 Q. 4  Examples: 9, 10  Exercise: 5.2 Q. 16 to 20  Examples: 12, 15, 16  Exercise: 5.3 Q. 13 to 20 |
| 6 | Theorems: 6.1, 6.2, 6.3, 6.4, 6.5, 6.7, 6.8, 6.9  Examples: 1, 2, 3, 4, 6, 8, 9, 10, 12, 13, 14  Exercise: 6.2 Q. 3 to 10  Exercise: 6.3 Q. 3 to 16  Exercise: 6.4 Q. 2 to 9  Exercise 6.5 Q. 1 to 16 |
| 7 | Examples: 4, 5, 11 to15  Exercise: 7.1 Q. 8, 9, 10  Topic: 7.4 Area of triangle  Exercise: 7.3 complete |
| 8 | Exercise: 8.1 Q. 9, 10  Exercise: 8.2 Q. 3  Exercise: 8.3 Q. 2, 4, 6  Examples: 10, 12 to 15  Exercise: 8.4 Q. 5  Topic: Trigonometric identities  Exercise: 8.4 Q. 1 to 4 | |
| 9 | Exercise: 9.1 Q. 6 to 16  Examples: 4 to 7 | |
| 10 | Theorem: 10.1, 10.2  Examples: 1 to 3  Exercise: 10.2 Q. 4, 5, 8 to 12 | |
| 11 | Examples: 1, 2  Exercise: 11.1 Q. 2 to 7  Exercise: 11.2 Q. 6, 7 | |
| 12 | Example: 3, 4, 5, 6  Exercise: 12.1 Q. 4  Exercise: 12.2 Q. 7 to 13  Exercise: 12.3 Q 1 to 16 | |
| 13 | Examples: 7 to 14  Exercise: 13.3 (full)  Exercise: 13.4 (full) | |
| 14 | Example: 9  Exercise: 14.4 (full) | |
| 15 | NIL | |