

SYLLABUS – MATHEMATICS
FOR GROUP 'X'(TECHNICAL) TRADES

1. Sets relations and functions
2. Trigonometric functions
3. Mathematical induction
4. Cartesian system of rectangular coordinates
5. Straight line
6. Family of lines
7. Circles and family of circles
8. Conic sections
9. Complex numbers
10. Quadratic equations and linear inequations
11. Sequences and series
12. Permutations and combinations
13. Binomial theorems
14. Exponential and logarithm series
15. Solutions of triangle
16. Inverse trigonometric functions
17. Matrices and determinants
18. Function, limit and continuity
19. Differentiation
20. Applications of derivatives
21. Indefinite integrals
22. Definite integrals
23. Differential equation
24. Probability
25. Logarithm
26. Statistics
27. Mathematical logic
28. Boolean Algebra