SYLLABUS FOR MATHEMATICS: 2022

CLASS: X

1st Term And 2nd Term(Before Pre-Test):

- Arithmetic:
  - Chapter 2: Simple Interest
  - Chapter 6: Compound Interest And Uniform Rate of Increase or Decrease
  - Chapter 14:Partnership
- Algebra:
  - Chapter 1: Quadratic Equations in one variable
  - Chapter 5: Ratio-Proportion
  - Chapter 9: Quadratic Surd
  - Chapter 13: Variation
- Geometry:
  - Chapter 3: Theorems related to circle(Th-31,32,33)
  - Chapter 7: Theorems related to angles in a circle(Th-34,35,36,37)
  - Chapter 10: Theorems related to cyclic quadrilateral(Th-38,39)
  - Chapter 15: Theorems related to tangent to a circle(Th-40,41,42)
  - Chapter 18: Similarity Theorems(only statements and applications)[Th-43,44,45,46,47,48]
  - Chapter 22: Pythagoras Theorem and converse theorem(Th-49,50)
    - ➢ Riders and application of the above mentioned Theorems
  - Chapter 11: Construction: Construction of Circumcircle, Incircle of a triangle
  - Chapter 17: Construction : Construction of Tangent to a circle at a point on it, Tangents to a circle from an external point
  - Chapter 21: Construction: Determination of Mean Proportional

- Mensuration:
  - Chapter 4: Rectangular Parallelepiped
  - Chapter 8: Right Circular Cylinder
  - Chapter 12: Sphere
  - Chapter 16: Cone
  - Chapter 19: Real Life Problems related to different solid objects

- Trigonometry :
  - Chapter 20: Concept of measurement of angle
  - Chapter 23: Trigonometric Ratios and Identities
  - Chapter 24: Trigonometric Ratios of Complementary angle

After Pre-Test:

- Trigonometry:
  - Chapter 25: Heights and Distances
- Statistics:
  - Chapter 26: Mean, Median, Ogive, Mode

#: *Text Book: Ganit Prakash(Board Book)*