Class: X   SYLLABUS FOR THE YEAR 2019-20   Subject: Mathematics

FIRST PERIODICAL (APRIL TO JULY)	SECOND PERIODICAL (AUGUST & SEPTEMBER
Topic/Chapter	Topic/Chapter
1. Real Number – EDL, rational & irrational numbers. 2. Polynomials – Zeroes of Polynomials esp. Quadratic Polynomials. Relationship between Zeroes & coeff. Division of Polynomial by another. 3. Co-Ordinate Geometry: Distance Formula, Section Formula, Area of Triangles. 4. Triangles – Thales Theorem, Similar Triangles.	. (4) Triangles – (Contd.) – Area of similar triangles, Pythagoras' Theorem. 5. Linear Equations of 2 variables: 3 Algebraic methods + Geometrical method of solution. Solubility, Application. 6. Quadratic Equations: Finding roots by various methods, nature of roots, application. 7. Tangents to Circles – Theorems & Problems. 8. Geometrical Constructions – Construction of similar triangles and tangent(s) to circle(s). 9. Trignomitry – Till identities.

THIRD PERIODICAL (OCTOBER TO DECEMBER)	
Topic/Chapter	
10. Areas of Circles – Circumferences and Perimeters of circles, sectors and segments. 11. Heights & Distances – Using t-ratios. 12. Suirface areas & volume – Combination of solids and conversion of solids. 13. Statistics – Mean, median & mode of grouped data, ogive. 14. Probability – General, dice, coins, cards. 15. Arithmetic Progressions - full	

1st Unit Periodic Portion : 1 to 4 (July), 2nd Periodic Test: 1 to 9 (September), 3rd Periodic Test: 10 to 15 (December)

Date: 17/04/2019

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