

**`MODERN SCHOOL
SESSION 2019 -20
SYLLABUS FOR CLASS X
MATHS**

Prescribed Book: NCERT text book

NCERT Exemplar

<i>MONTH</i>	<i>BRIDGING SYLLABUS</i>	<i>SYLLABUS</i>
<i>MARCH</i>	REAL NOS, HCF & LCM, COPRIME NOS, ADDITION, SUBTRACTION, MULTIPLIATION & DIVISION OF POLYNOMIALS , MIDDLE TERM SPLITTING	REAL NUMBERS, POLYNOMIALS
<i>APRIL</i>	MEAN , MEDIAN & MODE, EXPLANATION OF COORDINATES, PLAYING CARDS, PRIME AND COMPOSITE NUMBERS, COINS,DICE AND BASICS OF PROBABILITY	STATISTICS , COORDINATE GEO., PROBABILITY
<i>MAY</i>	SOLUTION OF LINEAR EQUATION, TANGENT ANS SECANT OF CIRCLES	LINEAR EQUATION IN TWO VARIABLES, CONSTRUCTIONS, CIRCLES
<i>JULY</i>	FORMULAS OF PLANE FIGURES, QUARDATIC EQUATION	INTRO. TO TRIGNOMETRY, QUARDATIC EQUATION
<i>AUGUST</i>	SECTORS, SEGMENTS , QUADRANT OF CIRCLE AND ITS AREA, CONGRUENCY OF TRIANGLES AND TYPES OF ANGLES	AREA RELATED TO CIRCLES , TRIANGLES
<i>OCTOBER</i>		Appl. Of TRIGNOMETRY ARITHMETIC PROGRESSION
<i>NOVEMBER</i>	AREA AND VOLUME OF PLANE & SOLID FIGURES	SURFACE AREA & VOLUME

*** As per CBSE curriculum 2019 – 2020 there is change in marking scheme, please go with the blue print while making question paper.**

PT1: REAL NUMBERS, POLYNOMIALS, STATISTICS

PT2 (SELECTION TEST):- REAL NUMBERS, POLYNOMIALS, STATISTICS, COORDINATE GEO., PROBABILITY , LINEAR EQUATION IN TWO VARIABLES, CONSTRUCTIONS, CIRCLES

HALF YEARLY:- REAL NUMBERS, POLYNOMIALS, STATISTICS, COORDINATE GEO., PROBABILITY , LINEAR EQUATION IN TWO VARIABLES, CONSTRUCTIONS, QUADRATIC EQUATION, INTRO. TO TRIGONOMETRY, AREA RELATED TO CIRCLES, CIRCLES, TRIANGLES

PT3:- HEIGHT AND DISTANCE, ARITHMETIC PROGRESSION

PRE- BOARD 1:- SYLLABUS EXCLUDING PT1

PREBOARD 2:- FULL SYLLABUS

ACTIVITIES:-----

1. TO FIND HCF OF TWO NUMBERS EXPERIMENTALLY BASED ON EUCLID DIVISION LEMMA.
2. TO DRAW THE GRAPH OF QUADRATIC POLYNOMIAL AND OBSERVE:-
 - A) SHAPE OF THE CURVE
 - B) ITS NUMBER OF ZEROES
3. TO VERIFY THE CONDITION OF CONSISTENCY/INCONSISTENCY FOR A PAIR OF LINEAR EQUATIONS IN TWO VARIABLES BY GRAPHICAL METHOD
4. TO VERIFY BASIC PROPORTIONALITY THEOREM
5. TO FIND SUM OF FIRST n NATURAL NUMBERS
6. TO FIND THE NUMBER OF TANGENTS FROM A POINT TO THE GIVEN CIRCLES
7. TO VERIFY DISTANCE FORMULA BY GRAPHICAL METHOD
8. TO FIND HEIGHT OF A BUILDING USING CLINOMETER.
9. TO VERIFY SECTION FORMULA BY GRAPHICAL METHOD
10. TO FORM A FRUSTUM OF A CONE AND OBTAIN THE FORMULAE FOR THE SURFACE AREA AND THE VOLUME OF FRUSTUM OF A CONE.

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