

THE WISDOM GLOBAL SCHOOL**SYLLABUS BIFURCATION****GRADE - X****SUBJECT- MATHEMATICS****NAME OF THE BOOK - MATHEMATICS(NCERT/R D SHARMA)****YEAR-2023-2024****NAME OF THE TEACHER- Mr. SUSHIL CHANDRA BHATT**

S. No	BOOK NAME	MONTH	CHAPTER NO.	CHAPTER NAME	SUB.TOPIC	NO.OF DAYS REQUIRED	ACTIVITY/ PROPS
1	NCERT/R D SHARMA	APRIL	2	Polynomials	Introduction, Zeroes of a Polynomial	2	NO
2		APRIL			Geometrical meaning of zeroes	2	YES
3		APRIL			Relationship between Zeroes and coefficients of a Polynomial	2	NO
4		APRIL			Practice questions	2	NO
5	NCERT/R D SHARMA	APRIL	3	Pair of linear equations in two variables	Introduction, Linear equations in one/two variables	1	NO
6		APRIL			Graphical solution of a pair of linear equations in two variables	2	YES

7		APRIL			Consistency/Inconsistency, Algebraic conditions for number of solutions	2	YES
8		APRIL			Algebraic methods of solving a pair of linear equations- Substitution, Elimination method	3	YES
9		APRIL			Simple situational problems- distance- time, geometrical problems	2	NO
10		APRIL			Practice-Extra problems	2	NO
11	NCERT/R D SHARMA	MAY	4	Quadratic Equations	Introduction, Standard form of a Quadratic Equation	2	NO
12		MAY			Solution of a quadratic equations by factorisation method	2	NO
13		MAY			Nature of roots, Discriminant	1	NO
14		MAY			Solution of a quadratic equations by Quadratic formula	2	NO
15		MAY			Situational problems based on Quadratic equations related to day to day activities	2	NO

16		MAY			Practice- Extra problems	1	YES
17	NCERT/R D SHARMA	MAY	5	Arithmetic Progression	Introduction, Sequence and Series, Arithmetic Progression	2	NO
18		MAY			General term(nth term) of an A.P.	2	NO
19		MAY			Sum of the first n terms of an A.P.	2	NO
20		MAY			Sum of the first n natural numbers/odd numbers of an A.P.	2	YES
21		MAY			Application of A.P. to solve daily life problems	2	YES
22		MAY			Taking number of terms in an A.P.- 3/4/5	1	NO
23		MAY			Practice - Extra problems	2	NO
24	NCERT/R D SHARMA	MAY	6	Triangles	Introduction, Elements of a Triangle, Congruent figures	1	NO
25		MAY			Similar figures, Similarity of two polygons	1	YES
26		JUNE			Basic propoortinality theorem (BPT)	2	YES

27		JUNE			Converse of BPT, Some examples	2	NO
28		JUNE			Criteria for Similarity of two triangles- AAA/SAS/SSS	2	NO
SUMMER BREAK							
29		JULY			Continue- Criteria for Similarity of two triangles- AAA/SAS/SSS	2	NO
30		JULY			Practice - Extra problems	2	NO
31	NCERT/R D SHARMA	JULY	6	Coordinate Geometry	Introduction, Cartesian system	2	NO
32		JULY			Distance formula- Distance between two points	2	NO
33		JULY			Section formula, Mid point formula	3	YES
34		JULY			Practice- extra problems	2	NO

35	NCERT/R D SHARMA	JULY	7	Introduction to Trigonometry	Introduction	1	NO
36		JULY			Trigonometric Ratios of an acute angle of a right angled triangle	2	YES
37		JULY			Relationship between T- Ratios	1	NO
38		JULY			Values of the T- ratios for some specific angles- 30/45/60/90	2	YES
39		JULY			Trigonometric identities	2	NO
40		JULY			Practice- extra problems	2	NO
41	NCERT/R D SHARMA	AUGUST	8	Some applications of Trigonometry	Introduction	2	NO
42		AUGUST			Angle of Elevation, Angle of dipression	2	YES
43		AUGUST			Simple problems on Heights and Distances	4	NO

44		AUGUST			Practice- extra problems	2	NO
45	NCERT/R D SHARMA	AUGUST	10	Circles	Introduction, Tangent, Secant	1	NO
46		AUGUST			Tangent to a circle at point of contact	1	YES
47		AUGUST			(Prove) The tangent at any point of a circle is perpendicular to the radius through the point of contact	2	NO
48		AUGUST			(Prove) The lengths of tangents drawn from an external point to a circle are equal.	3	YES
49		AUGUST			Practice- extra problems	3	NO
50	NCERT/R D SHARMA	AUGUST	12	Area related to the circles	Introduction, Parts of a circle	2	NO
51		AUGUST			Circumference and Area of a circle	2	YES

52		SEPTEMBER			Area of sector and segment of a circle	2	NO
53		SEPTEMBER			Problems based on Areas and perimeter/ Circumference	2	NO
54		SEPTEMBER			Practice- extra problems	2	NO
MID TERM EXAMINATION							
55	NCERT/R D SHARMA	SEPTEMBER	1	Real numbers	Introduction	1	NO
56		SEPTEMBER			Fundamental theorem of Airthematic	2	NO
57		SEPTEMBER			Statements after reviewing work done earlier and after illustrating and motivating through examples	3	YES
58		SEPTEMBER			Hcf and Lcm by prime factorisation method	2	NO
59		SEPTEMBER			Practice- extra problems	2	NO
60	NCERT/R D SHARMA	OCTOBER	13	Surface Areas and Volumes	Introduction	2	NO
61		OCTOBER			Surface Areas of combination of Solids	3	YES

62		OCTOBER			Volumes of combination of two solids	3	NO
63		OCTOBER			Conversion of solids	3	NO
64		OCTOBER			Practice- extra problems	3	NO
65	NCERT/R D SHARMA	OCTOBER	14	Statistics	Introduction	2	NO
66		OCTOBER			Mean of Grouped data- Direct method, Assumed mean method	2	NO
67		OCTOBER			Median of Grouped data	3	YES
68		NOVEMBER			Mode of Grouped data	2	NO
69		NOVEMBER			Practice- extra problems	2	NO
70	NCERT/R D SHARMA	NOVEMBER	15	Probability	Introduction, terms related to this topic	2	NO
71		NOVEMBER			Classical definition of Probability	3	NO
72		NOVEMBER			Simple problems on finding the Probability of an event	3	YES
73		NOVEMBER			Practice- extra problems	2	NO
74		DECEMBER		Preboard Examination			NO

75		JANUARY		Preboard Examination			NO
76		FEBURARY					NO
FINAL ASSESSMENT							

SMART BOARD(PPT/VIDEO)	CHART
NO	NO
NO	YES
NO	NO
NO	NO
NO	NO
PPT	NO

PPT	NO
PPT	NO
NO	NO
NO	NO
PPT	YES
NO	NO
NO	NO
NO	NO
NO	NO

NO	NO
NO	NO
NO	NO
NO	NO

NO	YES
NO	NO
NO	NO
NO	NO

PPT	NO
NO	NO
NO	NO
NO	NO
NO	YES
NO	NO
NO	NO
NO	NO

NO	NO
NO	NO