THE WISDOM GLOBAL SCHOOL									
SYLLABUS BIFURCATION									
GRADE 10									
SUBJECT:- MATHEMATICS									
NAME OF BOOKS: NCERT/RD SHARMA									
YEAR 2022-23									
NAME OF THE TEACHER:- MR. AMIT PANDEY									
S.NO	BOOK NAME	MONTH	CHAPTER NUMBER	CHAPTER NAME	SUB-TOPICS	NO. OF DAYS REQUIRED	ACTIVITY/PROPS	SMART BOARD(PPT /VIDEO)	CHARTS
1	NCERT/RD SHARMA	APRIL	1	REAL NUMBER	INTRODUCTION	1	YES	PPT	NO
2					FUNDAMENTAL THEOREM OF ARITHMETIC	2	YES	PPT	YES
3					STATEMENTS AFTER REVIEWING WORK DONE EARLIER AND AFTER ILLUSTRATING AND MOTIVATING THROUGH EXAMPLES.	4	NO	NO	NO
4									
5					TEST	1	NO	NO	NO
6	NCERT/RD SHARMA	APRIL	2	POLYNOMIALS	INTRODUCTION	1	YES	PPT	YES
7					ZEROES OF A POLYNOMIAL	6	NO	PPT	YES
8					RELATIONSHIP BETWEEN ZEROES AND COEFFICIENTS OF QUADRATIC POLYNOMIALS ONLY	6	NO	NO	NO
9					TEST	1	NO	NO	NO
10	NCERT/RD SHARMA	MAY	3	PAIR OF LINEAR EQUATIONS IN TWO VARIABLES	INTRODUCTION	1	NO	PPT	YES
11					PAIR OF LINEAR EQUATIONS IN TWO VARIABLES AND GRAPHICAL METHOD OF THEIR SOLUTION	2	YES	PPT	NO
12					CONSISTENCY/INCONSISTENCY	1	NO	PPT	NO
13					ALGEBRAIC CONDITIONS FOR NUMBER OF SOLUTIONS	1	YES	PPT	NO
14					SOLUTION OF A PAIR OF LINEAR EQUATIONS IN TWO VARIABLES ALGEBRAICALLY - BY SUBSTITUTION AND BY ELIMINATION	2	YES	NO	NO
15					SIMPLE SITUATIONAL PROBLEMS	2	NO	NO	NO
16									
17					TEST	1	NO	NO	NO
18	NCERT/RD SHARMA	MAY	7	COORDINATE GEOMETRY LINES	INTRODUCTION	1	YES	NO	NO
19					CONCEPTS OF COORDINATE GEOMETRY	2	NO	PPT	NO
20					GRAPHS OF LINEAR EQUATIONS	2	NO	PPT	NO

21				DISTANCE FORMULA	1	NO	PPT	NO
22				SECTION FORMULA	1	NO	PPT	NO
23				TEST	1	NO	NO	NO
PRE MID TERM ASSESSMENT								
24	NCERT/RD SHARMA	JULY	6	TRIANGLES	INTRODUCTION	1	NO	PPT	NO
25					DEFINITIONS, EXAMPLES, COUNTER EXAMPLES OF SIMILAR TRIANGLES	1	YES	PPT	NO
26					BPT	3	NO	PPT	NO
27					PYTHAGORAS THEOREM	3	NO	NO	YES
28					CONVERGE OF BPT	2	NO	NO	NO
29					AREA OF SIMILAR TRIANGLES	3	NO	NO	NO
30					QUESTIONS RELATED TO THEOREMS	4	NO	NO	NO
31					TEST	1	NO	NO	NO
32	NCERT/RD SHARMA	JULY	8	INTRODUCTION TO TRIGONOMETRY	INTRODUCTION	1	NO	NO	NO
33					TRIGONOMETRIC RATIOS OF AN ACUTE ANGLE OF A RIGHT-ANGLED TRIANGLE	1	NO	NO	NO
34					PROOF OF THEIR EXISTENCE	1	YES	PPT	NO
35					VALUES OF THE TRIGONOMETRIC RATIOS OF 30 , 45 AND 60	1	YES	PPT	YES
36					RELATIONSHIPS BETWEEN THE RATIOS	1	NO	NO	NO
37					TRIGONOMETRIC IDENTITIES PROOF AND APPLICATIONS OF THE IDENTITY SIN2A + COS2A = 1	1	NO	NO	NO
38					SIMPLE IDENTITIES	1	NO	NO	NO
39					TEST	1	NO	NO	NO
40	NCERT/RD SHARMA	AUGUST	12	AREAS RELATED TO CIRCLES	INTRODUCTION	1	YES	PPT	NO
41					MOTIVATE THE AREA OF A CIRCLE	1	YES	PPT	YES
42					AREA OF SECTORS AND SEGMENTS OF A CIRCLE	4	NO	NO	NO
43					PROBLEMS BASED ON AREAS AND PERIMETER / CIRCUMFERENCE	5	NO	NO	NO
44					TEST	1	NO	NO	NO
45	NCERT/RD SHARMA	AUGUST	15	PROBABILITY	INTRODUCTION	1	NO	PPT	YES
46					CLASSICAL DEFINITION OF PROBABILITY	4	YES	PPT	NO
47					SIMPLE PROBLEMS ON FINDING THE PROBABILITY OF AN EVENT	4	NO	PPT	NO
48					TEST	1	NO	NO	NO
MID TERM ASSESSMENT									
49					INTRODUCTION	1	YES	NO	YES
50					STANDARD FORM OF A QUADRATIC EQUATION AX2 + BX + C = 0, (A ≠ 0)	3	NO	NO	NO

51	NCERT/RD SHARMA	SEPTEMBER	4	QUADRATIC EQUATIONS	SOLUTIONS OF QUADRATIC EQUATIONS (ONLY REAL ROOTS) BY FACTORIZATION, AND BY USING QUADRATIC FORMULA	4	NO	PPT	NO
52					RELATIONSHIP BETWEEN DISCRIMINANT AND NATURE OF ROOTS	4	NO	NO	NO
53	NCERT/RD SHARMA	OCTOBER	4	QUADRATIC EQUATIONS	SITUATIONAL PROBLEMS BASED ON QUADRATIC EQUATIONS RELATED TO DAY TO DAY ACTIVITIES	2	NO	NO	NO
54					TEST	1	NO	NO	NO
55	NCERT/RD SHARMA	OCTOBER	5	ARITHMETIC PROGRESSIONS	INTRODUCTION	1	NO	PPT	YES
56					ARITHMETIC PROGRESSION DERIVATION OF THE NTH TERM	5	NO	PPT	YES
57					SUM OF THE FIRST N TERMS OF A.P	3	NO	PPT	NO
58					THEIR APPLICATION IN SOLVING DAILY LIFE PROBLEMS	5	YES	NO	NO
59					TEST	1	NO	NO	NO
60	NCERT/RD SHARMA	NOVEMBER	10	CIRCLES	INTRODUCTION	1	NO	NO	YES
61					TANGENT TO A CIRCLE AT, POINT OF CONTACT	5	NO	PPT	NO
62					(PROVE) THE TANGENT AT ANY POINT OF A CIRCLE IS PERPENDICULAR TO THE RADIUS THROUGH THE POINT OF CONTACT	4	NO	PPT	NO
63					(PROVE) THE LENGTHS OF TANGENTS DRAWN FROM AN EXTERNAL POINT TO A CIRCLE ARE EQUAL	4	YES	PPT	YES
64					TEST	1	NO	NO	NO
65	NCERT/RD SHARMA	NOVEMBER	9	SOME APPLICATIONS OF TRIGONOMETRY HEIGHTS AND DISTANCES	INTRODUCTION	2	NO	NO	YES
66					ANGLE OF ELEVATION	1	NO	PPT	NO
67					ANGLE OF DEPRESSION	1	YES	NO	NO
68					SIMPLE PROBLEMS ON HEIGHTS AND DISTANCES	5	NO	PPT	NO
69					TEST	1	NO	NO	NO
70	NCERT/RD SHARMA	DECEMBER	13	SURFACE AREAS AND VOLUMES	INTRODUCTION	1	YES	PPT	YES
71					SURFACE AREAS AND VOLUMES OF COMBINATIONS OF ANY TWO OF THE	9	NO	PPT	YES
72									
73					TEST	1	NO	NO	NO
74					INTRODUCTION	1	NO	PPT	NO

75	NCERT/RD SHARMA	DECEMBER	14	STATISTICS	MEAN, MEDIAN AND MODE OF GROUPED DATA	3	NO	NO	NO
76					MEAN BY DIRECT METHOD AND ASSUMED MEAN METHOD	2	YES	NO	NO
77					TEST	1	NO	NO	NO
78	POST MID TERM ASSESSMENT								
79	PRE BOARD ASSESSMENT								