THE WISDOM GLOBAL SCHOOL									
SYLLABUS BIFURCATION									
GRADE 12									
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	3	MATRICES	INTRODUCTION	2	NO	PPT	NO
2					TYPES OF MATRICES	2	NO	PPT	NO
3					TRANSPOSE OF A MATRIX	1	NO	PPT	NO
4					SYMMETRIC AND SKEW SYMMETRIC MATRICES	2	NO	PPT	NO
5					OPERATION ON MATRICES: ADDITION AND MULTIPLICATION AND MULTIPLICATION WITH A SCALAR	3	YES	PPT	NO
6					NONCOMMUTATIVITY OF MULTIPLICATION OF MATRICES	3	NO	NO	NO
7					INVERTIBLE MATRICES	4	NO	NO	NO
8					QUESTIONS RELATED TO CHAPTER	4	NO	NO	NO
9					TEST	1	NO	NO	NO
10	NCERT/RD SHARMA	MAY	2	INVERSE TRIGONOMETRIC FUNCTIONS	INTRODUCTION	2	NO	PPT	NO
11					DEFINITION	2	NO	PPT	NO
12					RANGE AND DOMAIN	4	NO	PPT	NO
13					PRINCIPAL VALUE BRANCH	4	YES	PPT	NO
14					QUESTIONS RELATED TO CHAPTER	5	NO	NO	NO
15					TEST	1	NO	NO	NO
PRE MID TERM ASSESSMENT									
16	NCERT/RD SHARMA	JULY	1	RELATIONS AND FUNCTIONS	INTRODUCTION	2	NO	PPT	NO
17					TYPES OF RELATIONS: REFLEXIVE, SYMMETRIC, TRANSITIVE AND EQUIVALENCE RELATIONS	3	YES	NO	NO
18					ONE TO ONE AND ONTO FUNCTIONS	2	NO	PPT	NO
19					QUESTIONS RELATED TO CHAPTER	4	NO	NO	NO
20					TEST	1	NO	NO	NO
21					INTRODUCTION	1	NO	PPT	NO
22					DETERMINANT OF A SQUARE MATRIX	1	YES	PPT	NO
23					MINORS, CO-FACTORS	2	NO	PPT	NO
24					APPLICATIONS OF DETERMINANTS IN FINDING THE AREA OF A TRIANGLE	2	YES	PPT	NO

25	NCERT/RD SHARMA	JULY	4	DETERMINANTS	ADJOINT AND INVERSE OF A SQUARE MATRIX	2	NO	PPT	NO
26					SOLVING SYSTEM OF LINEAR EQUATIONS IN TWO OR THREE VARIABLES (HAVING UNIQUE SOLUTION) USING INVERSE OF A MATRIX	3	NO	PPT	NO
27					QUESTIONS RELATED TO CHAPTER	2	NO	NO	NO
28					TEST	1	NO	NO	NO
29	NCERT/RD SHARMA	AUGUST	5	CONTINUITY AND DIFFERENTIABILITY	INTRODUCTION	1	NO	PPT	NO
30					CONTINUITY AND DIFFERENTIABILITY	2	NO	PPT	YES
31					DERIVATIVE OF COMPOSITE FUNCTIONS	1	NO	PPT	NO
32					CHAIN RULE	1	NO	PPT	NO
33					DERIVATIVE OF INVERSE TRIGONOMETRIC FUNCTIONS	1	NO	PPT	NO
34					DERIVATIVE OF IMPLICIT FUNCTIONS	1	NO	NO	NO
35					CONCEPT OF EXPONENTIAL AND LOGARITHMIC FUNCTIONS	1	NO	NO	NO
36					DERIVATIVES OF LOGARITHMIC AND EXPONENTIAL FUNCTIONS	1	YES	NO	NO
37					LOGARITHMIC DIFFERENTIATION	1	NO	NO	NO
38					DERIVATIVE OF FUNCTIONS EXPRESSED IN PARAMETRIC FORMS	1	NO	NO	NO
39					SECOND ORDER DERIVATIVES	1	NO	NO	NO
40					QUESTIONS RELATED TO CHAPTER	2		NO	
41					TEST	1	NO	NO	NO
42	NCERT/RD SHARMA	AUGUST	6	APPLICATIONS OF DERIVATIVES	INTRODUCTION	1	NO	PPT	NO
43					INCREASING/DECREASING FUNCTIONS	1	NO	PPT	NO
44					TANGENTS AND NORMALS	1	NO	PPT	NO
45					MAXIMA AND MINIMA	1	NO	NO	NO
46					SIMPLE PROBLEMS	1	NO	NO	NO
47					QUESTIONS RELATED TO CHAPTER	1	NO	NO	NO
48					TEST	1	NO	NO	NO
MID TERM ASSESSMENT									
49	NCERT/RD SHARMA	SEPTEMBER	12	LINEAR PROGRAMMING	INTRODUCTION	1	NO	PPT	NO
50					RELATED TERMINOLOGY SUCH AS CONSTRAINTS, OBJECTIVE FUNCTION, OPTIMIZATION	1	NO	PPT	NO
51					GRAPHICAL METHOD OF SOLUTION FOR PROBLEMS IN TWO VARIABLES	1	NO	PPT	NO
52					FEASIBLE AND INFEASIBLE REGIONS (BOUNDED)	1	YES	PPT	NO

53					OPTIMAL FEASIBLE SOLUTIONS (UP TO THREE NON-TRIVIAL CONSTRAINTS)	1	NO	PPT	NO
54					QUESTIONS RELATED TO CHAPTER	2	NO	NO	NO
55					TEST	1	NO	NO	NO
56	NCERT/RD SHARMA	SEPTEMBER	7	INTEGRALS	INTRODUCTION	1	NO	PPT	NO
57					INTEGRATION AS INVERSE PROCESS OF DIFFERENTIATION	1	YES	PPT	YES
58					INTEGRATION OF A VARIETY OF FUNCTIONS BY SUBSTITUTION, BY PARTIAL FRACTIONS AND BY PARTS	3	NO	PPT	NO
	NCERT/RD SHARMA	OCTOBER	7	INTEGRALS	EVALUATION OF SIMPLE INTEGRALS OF THE FOLLOWING TYPES AND PROBLEMS BASED ON THEM	4	NO	PPT	NO
					FUNDAMENTAL THEOREM OF CALCULUS	3	NO	PPT	NO
61					BASIC PROPERTIES OF DEFINITE INTEGRALS	3	NO	PPT	NO
62					EVALUATION OF DEFINITE INTEGRALS	3	YES	PPT	NO
63					QUESTIONS RELATED TO CHAPTER	4	NO	PPT	NO
64					TEST	1	NO	NO	NO
65	NCERT/RD SHARMA	NOVEMBER	8	APPLICATIONS OF THE INTEGRALS	INTRODUCTION	1	NO	PPT	NO
66					APPLICATIONS IN FINDING THE AREA UNDER SIMPLE CURVES, ESPECIALLY LINES, PARABOLAS	2	NO	PPT	NO
67					AREA OF CIRCLES /ELLIPSES	2	NO	PPT	NO
68					QUESTIONS RELATED TO CHAPTER	3	NO	PPT	NO
69					TEST	1			
70	NCERT/RD SHARMA	NOVEMBER	9	DIFFERENTIAL EQUATIONS	INTRODUCTION	1	NO	PPT	NO
71					DEFINITION, ORDER AND DEGREE	2	YES	PPT	NO
72					GENERAL AND PARTICULAR SOLUTIONS OF A DIFFERENTIAL EQUATION	2	YES	PPT	NO
73					SOLUTION OF DIFFERENTIAL EQUATIONS BY METHOD OF SEPARATION OF VARIABLES	2	NO	PPT	NO
74					SOLUTIONS OF HOMOGENEOUS DIFFERENTIAL EQUATIONS OF FIRST ORDER AND FIRST DEGREE OF THE TYPE: dy/dx = f(Y/X)	1	NO	PPT	NO

75					SOLUTIONS OF LINEAR DIFFERENTIAL EQUATION OF THE TYPE: DY DX + PY = Q, WHERE P AND Q ARE FUNCTIONS OF X OR CONSTANT	2	NO	NO	NO
76					TEST	1	NO	NO	NO
77	NCERT/RD SHARMA	NOVEMBER	10	VECTORS	INTRODUCTION	1	NO	PPT	NO
78					DIRECTION COSINES AND DIRECTION RATIOS OF A VECTOR	1	NO	NO	NO
79					POSITION VECTOR OF A POINT DIVIDING A LINE SEGMENT IN A GIVEN RATIO	1	NO	PPT	NO
80					PROPERTIES AND APPLICATION OF SCALAR AND CROSS PRODUCT OF VECTORS,	1	NO	PPT	NO
81					TEST	1	NO	NO	NO
82	NCERT/RD SHARMA	DECEMBER	11	THREE- DIMENSIONAL GEOMETRY	INTRODUCTION	1	NO	PPT	NO
83					DIRECTION COSINES AND DIRECTION RATIOS OF A LINE JOINING TWO POINTS	1	NO	PPT	NO
84					CARTESIAN EQUATION AND VECTOR EQUATION OF A LINE	2	NO	PPT	NO
85					COPLANAR AND SKEW LINES	1	YES	PPT	NO
86					SHORTEST DISTANCE BETWEEN TWO LINES	1	NO	NO	NO
87					CARTESIAN AND VECTOR EQUATION OF A PLANE	1	NO	NO	NO
88					DISTANCE OF A POINT FROM A PLANE	1	NO	NO	NO
89					TEST	1	NO	NO	NO
90	NCERT/RD SHARMA	DECEMBER	13	PROBABILITY	INTRODUCTION	1	NO	PPT	NO
91					CONDITIONAL PROBABILITY	1	NO	PPT	NO
92					MULTIPLICATION THEOREM ON PROBABILITY	1	YES	PPT	NO
93					INDEPENDENT EVENTS	1	NO	PPT	NO
94					TOTAL PROBABILITY	1	NO	PPT	NO
95					BAYES' THEOREM	1	NO	PPT	NO
96					RANDOM VARIABLE AND ITS PROBABILITY DISTRIBUTION	1	YES	PPT	NO
97					QUESTIONS RELATED TO CHAPTER	1	NO	NO	NO
98					TEST	1	NO	NO	NO
POST MID TERM ASSESSMENT									
PRE BOARD ASSESSMENT									