	THE WISDOM GLOBAL SCHOOL								
	SYLLABUS BIFURCATION								
	GRADE - XII								
	SUBJECT- APPLIED MATHEMATICS								
	NAME OF THE BOOK - APPLIED MATHEMATICS(M L AGGARW)								
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S. No	BOOK		CHAPTER			REOIIIR			
	NAME	MONTH	NO.	CHAPTER NAME	SUB.TOPIC	ED			
1	APPLIED MATHEMA TICS(M L AGGARWA L)	APRIL	1	NUMBERS, QUANTIFICATION AND NUMERICAL APPLICATIONS	Introduction	2			
2		APRIL			Modulo Arithmetic	2			
3		APRIL			cogruence modulo	2			
4		APRIL			Simple airthmetic functions	2			
5		APRIL			Alligation and Mixture	2			
6		APRIL			Numerical problems - Boat and Streams	2			
7		APRIL			Pipes and cistern, Races and games	2			
8		APRIL			Practice - Extra problems	1			

a	APPLIED MATHEMA TICS(M L AGGARWA L)	APRIL	2	NUMERICAL INEQUALITIES	Introduction- Numerical and reasoning	2
10		APRIL			Linear inequalities in one variable	2
11		MAY			Solution of a system of linear inequalities in one variable	2
12		МАҮ			Graphical solution of a system of linear inequalities in one variable	2
13		MAY			Practice - Extra problems	1
14	APPLIED MATHEMA TICS(M L AGGARWA L)	MAY	3	MATRICES	Introduction	1
15		MAY			Matrices and types of matrices	2
16		MAY			Equality of matrices, Transpose of a matrix, Symmetric and Skew symmetric matrix	2
17		MAY			Algebra of matrices	2

18		MAY			Practice - Extra problems	2
19	APPLIED MATHEMA TICS(M L AGGARWA L)	MAY	4	DETERMINANTS	Introduction, Determinant of a square matrix	1
20		MAY			Minors and Cofactors	1
21		MAY			Properties of Determinants	2
22		MAY			Area of triangle	1
23		МАҮ			Adjoint and inverse of a matrix	2
24		МАҮ			Solving system of simaltaneous equations using matrix method, Cramer's rule	2
25		MAY			Practice - Extra problems	2
26	APPLIED MATHEMA TICS(M L AGGARWA L)	JUNE	5	DIFFERENTIATION	Introduction	1
27		JUNE			Implicit differentiation	2
28		JUNE			Logarithmic differentiation	2
				SUMM	ER BREAK	

29	JULY	Derivatives of functions in parametric forms	2
30	JULY	Higher order derivatives	2

31	JULY			Practice- extra problems	2
32	JULY	6	APPLICATIONS OF DERIVATIVES	Introduction	2
33	JULX			Derivative as a rate measure	2
34	JULX			Tangents and Normals	2
35	JULX			Increasing and decreasing functions	1
36	JULX			Maxima and Maxima, practical problems	2
37	JULX			Marginal cost and marginal revenue using derivatives	1

38		JULY			Practice- extra problems	2
39	APPLIED MATHEMA TICS(M L AGGARWA L)	JULY	7	INTEGRALS	Introduction	2
40		JULY			propertires of indefinite integrals	2
41		JULY			Integration by partial fractions	2
42		AUGUST			Integration by parts	2
43		AUGUST			Fundamental theorems of Integral calculus	2
44		AUGUST			Definite integrals, properties	2
45		AUGUST			Application of Integrals	1
46		AUGUST			Practice- extra problems	1

47	APPLIED MATHEMA TICS(M L AGGARWA L)	AUGUST	8	DIFFERENTIAL EQUATIONS	Introduction, Order and degree of a differentrial equation	2
48		AUGUST			Solution of a differential equation	2
49		AUGUST			Formation of Differential equation	2
50		AUGUST			Solving a Differential equation - by Variable separable	2
51		AUGUST			Linear Differential equation	2
52		AUGUST			Applications of Differential equations- Growth and decay model, Newton's law of cooling, Carbon dating, Durg assimilation into the blood	2
53		AUGUST			Practice- extra problems	2

54	APPLIED MATHEMA TICS(M L AGGARWA L)	AUGUST	9	PROBABILITY	Introduction, Random variables	2
				MID TERM	EXAMINATION	
55		SEPTEMBER			Probability distribution of random variables	2
56		SEPTEMBER			Mean and Variance of probability distribution	2
57		SEPTEMBER			Binomial experiment	3
58		SEPTEMBER			Mean and Variance of binomial distribution	3
59		SEPTEMBER			Possion distribution	2
60		SEPTEMBER			Normal distribution	2
61		SEPTEMBER			Applications of probability distribution	2
62		SEPTEMBER			Practice- extra problems	2
63	APPLIED MATHEMA TICS(M L AGGARWA L)	SEPTEMBER	10	INFERENTIAL STATISTICS	Introduction	2
64		SEPTEMBER			Population ans sample	2
65		OCTOBER			Parameter and Statistics and statistical inferences	2

66		OCTOBER			Hypothesis testing	2
67		OCTOBER			t- Test (one sample t-test and two independent groups t-test)	2
68		OCTOBER			Practice- extra problems	2
69	APPLIED MATHEMA TICS(M L AGGARWA L)	OCTOBER	11	TIME-BASED DATA	Introduction	2
70		OCTOBER			Time series and its components	2
71		OCTOBER			Models of time series	3
72					analysis, frend analysis	_
		OCTOBER			Method of least squares	3
73		OCTOBER NOVEMBER			Method of least squares Practice- extra problems	3
73	APPLIED MATHEMA TICS(M L AGGARWA L)	OCTOBER NOVEMBER NOVEMBER	12	PERPETUITY, SINKING FUNDS AND EMI	Method of least squares Practice- extra problems Introduction	3 3 2

		NOVEMBER			Equated monthly installment (EMI), Calculation of EMI	2
		NOVEMBER			Amortization of Loans	2
	APPLIED MATHEMA TICS(M L AGGARWA L)	NOVEMBER	13	RETURNS, GROWTH AND DEPRECIATION	Introduction, Return of Investment (ROI)	2
		NOVEMBER			Normal rate of Return	2
74		NOVEMBER			Compound annual growth rate	2
75		NOVEMBER			Depreciation, Linear method of depreciation	2
	APPLIED MATHEMA TICS(M L AGGARWA L)	NOVEMBER	14	LINEAR PROGRAMMING	Introduction	2
		NOVEMBER			Mathematical formulation of linear programming problems	2
		NOVEMBER			Graphical method of solution for problems in two variables	2

NOVEMBER	ISO- Profit/ISC method of solv	P-Cost ring LPP	2
NOVEMBER	Practice- extra	problems	2

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