



CARMEL CONVENT SR.SEC.SCHOOL: BHEL: BHOPAL
SYLLABUS FOR THE YEAR 2023–24 (CLASS XII)
SUBJECT : APLIED MATHEMATICS (0241)

S.NO	MONTH	EXAM	NAME OF CHAPTER
1.	APRIL-2023		i) Matrices and Types of Matrices ii) Numbers, Quantification and Numerical Application iii) Determinants, Inverse of a Matrix iv) Solving System of simultaneous linear equations using matrix method v) Numerical Inequalities
2.	JUNE -2023		Differentiation and its Applications: vi) Higher Order derivatives and Applications of Derivatives
3.	JULY-2023	PT 1	vii) Marginal Cost and Marginal Revenue Using derivatives viii) Increasing and decreasing Functions ix) Maxima and Minima
4.	AUG-2023		x) Linear Programming Problems. xi) Time xviii) Probability Distributions -- Mathematical Expectations Variance ,- Binomial Distribution ,-Poisson Distribution,- Normal Distribution based Data ,xii) Inferential Statistics
5.	SEPT-2023	TERM 1	xiii) Time based data ,xiv) Financial Mathematics (Contd.), Perpetuity, Sinking Fund and EMI
6.	OCT-2023		xv) Financial Mathematics -- Returns , Growth and Depreciation xvi) Integration and its Applications, (xvii) Differential Equations and Modelling
7.	NOV-2023		xviii) Probability Distributions -- Mathematical Expectations ,Variance, Binomial Distribution ,-Poisson Distribution ,- Normal Distribution
8.	DEC-2023	PRE-BOARD I	REVISION
9.	JAN-2024	PRE-BOARD II	REVISION