TELANGANA STATE BOARD OF INTERMEDIATE EDUCATION, HYDERABAD

ACADEMIC YEAR 2020-2021

70% CONTENT IN VIEW OF COVID-19 PANDEMIC

INTERMEDIATE 1st YEAR MATHEMATICS(IA) SYLLABUS

S.NO	CHAPTER	TOPICS	no of periods	REMARKS
1	Functions	1.0: Ordered Pairs 1.1: Types of Functions 1.3: Real valued functions (Domain, Range and Inverse)	8	
2	Mathematical Induction	Deleted		
3	Matrices	3.1: Types of Matrices 3.2: Scalar multiple of a Matrix and multiplication of matrices 3.3: Transpose of a matrix 3.4.1 to 3.4.7 : Determinants 3.5: Adjoint and inverse of a matrix 3.7:solutions of simultaneous linear equations Cramer's Rule Matrix inversion method	14	
4	Addition of Vectors	complete chapter	18	
5	Product of vectors	Introduction 5.1: Scalar or Dot product of two vectors -Geometrical 5.2: Properties of dot product 5.3: Expression for scalar (Dot) Product, Angle between Vectors 5.4 : Geometrical Vector methods 5.5: Vector Equation of plane - normal form 5.6: Angle between two planes 5.7: Vector Product (cross product) of two vectors and properties 5.8: Vector product in (i, j, k) system 5.9: Vector Areas 5.10: Scalar Triple product	20	

6	Trigonometric Ratios upto Transformations	Complete chapter	20	
7	Trigonometric Equations	Deleted		
8	Inverse Trigonometric Function	Deleted		
9	Hyperbolic functions	9.1 Definition of Hyperbolic function, Graphs 9.3: Addition formulas of Hyperbolic functions	3	
10	Properties of Triangles	Complete chapter	16	