Commecs College
Macro Plan (2024-2025)

Subject: Business Mathematics   **Teacher: Mr. Rehan Ahmed / Khalid Javed**
Class: XI (Commerce)

Chap. No.	Start Date	End Date		Number Of Periods	Topic/Chapter	Contents	Objectives By the end of the unit S.W.A.T.:
01	Thu, 01-Aug	Fri, 02-Aug		01	Foundation/ Introduction.	1. First four fundamental operations.	Add, Subtract, Multiply and Divide numbers and variable
02	Mon, 05-Aug	Sat, 10-Aug		03	Foundation/ Introduction.	1. Laws of Exponent. 2. Law of Radicals.	1. Recall laws of radicals and exponents. 2. Apply the appropriate procedure for solving proble involving exponent and radicals.
03	Mon, 12-Aug	Sat, 16-Aug		02	Linear and Quadratic Equations.	Linear Equation.	1. Identify different type of equations. 2. Apply the appropriate procedure for solving Linear equation.
04	Mon, 19-Aug	Fri, 23-Aug		03	Linear and Quadratic Equations.	Simultaneous Equation.	1. Apply the Method of Elimination for solving simultaneous equations.
05	Mon, 26-Aug	Sat, 31-Aug		03	Linear and Quadratic Equations.	Simultaneous Equation.	2. Apply the Method of Substitution for solving simultaneous equations
06	Mon, 02-sep	Fri, 06-Sep		03	Linear and Quadratic Equations.	Quadratic Equations.	Solution of a Quadratic Equation: 1. Method of Factorization. 2. Method of Quadratic Formula.

07	Mon, 09-Sep	Sat, 14-Sep		03	Linear and Quadratic Equations.	Quadratic Equations.	3. Method of Completing the square.
08	Mon, 16-Sep	Sat, 20-Sep		03	Functions and their Graphs.	Coordinate system and Graphs of Functions.	1. Method of Plotting Points. 2. Distance Between Two Points. 3. Draw the graph of Linear equation.
09	Mon, 23-Sep	Sat, 28-Sep		03	Functions and their Graphs.	1. Slope of a Line. 2. Various forms of Straight Line.	1. Interpret the meaning of slope and vertex. 2. Equation of straight line when two points are given. 3. Equation of straight line when slope and point are given. 4. Equation of straight line when slope and y-intercept are given. 5. Equation of straight line when x-intercept and y-intercept are given.
10	Mon, 30-Sep	Fri, 04-Oct		03	Functions and their Graphs.	Graph of Quadratic Equation.	Draw the parabola for the equation. 1. Direction of Parabola. 2. Vertex of quadratic equation. 3. Roots of equation.
11	Mon, 07-Oct	Sat, 12-Oct		03	Revision / Synchronization.		
12	Mon, 14-Oct	Fri, 18-Oct		00	First Term Exams.		
13	Mon, 21-Oct	Sat, 26-Oct		02	First Term Exams/Teaching.		

		Term-I					
		Working Days-68 Teaching Days-30 Classes Conducted 40.14%					
		Second Term Begins					
14	Mon, 28-Oct	Fri, 01-Nov		03	Matrices and Determinants.	Matrix.	1. Define Matrix and Determina 2. Types of Matrices. 3. Algebra of Matrices.
15	Mon, 04-Nov	Sat, 09-Nov		03	Matrices and Determinants.	Determinant of a Matrix.	1. Important Properties of Determinants. 2. Singular and Non-singular Matrices. 3. Inverse of a square matrix.
16	Mon, 11-Nov	Fri, 15-Nov		03	Matrices and Determinants.	Solution of simultaneous Equations.	Solve the simultaneous Equati through Matrices.
17	Mon, 18-Nov	Sat, 23-Nov		03	Matrices and Determinants.	Solution of simultaneous Equations.	Solve the simultaneous Equati by Cramer's Rule.
18	Mon, 25-Nov	Sat, 30-Nov		03	Binary number system	Conversions.	1. Conversion of Decimal to Binary. 2. Conversion of Binary to Decimal.
19	Mon, 02-Dec	Fri, 06-Dec		03	Binary number system	Conversions.	1. Conversion of Decimal fracti to Binary fraction. 2. Conversion of Binary fractio Decimal fraction.
20	Mon, 09-Dec	Sat, 14-Dec		03	Binary number system	Algebra of Binary Number.	1. Binary Addition. 2. Binary Subtraction. 3. Binary Multiplication. 4. Binary Division.
21	Mon, 16-Dec	Fri, 20-Dec		01	Sports Gala/ Revision / Synchronization.		
22	Mon, 23-Dec	Sat, 28-Dec		00	Winter Vacations.		

23	Mon, 30-Dec	Fri, 03-Jan		00	Winter Vacations.		
24	Mon, 06-Jan	Sat, 11-Jan		00	Second Term Exams.		
25	Mon, 13-Jan	Fri, 17-Jan		01	Second Term Exams.		

	Term-II						
	Total Working Days: 68+58=126 **Total Teaching Days: 30+22=52** **Class Conducted=69.34%**						
	Third Term Begins						
26	Mon, 20-Jan	Sat, 25-Jan		03	Ratio, Proportion and Percentage.	Ratio.	Equal ratio. Compound Ratio. Dividing a Quantity in a Given Ratio. Combined Ratio.
27	Mon, 27-Jan	Fri, 31-Jan		02	Ratio, Proportion and Percentage.	Proportion.	1. Direct Proportion. 2. Inverse Proportion. 3. Compound Proportion.
28	Mon, 03-Feb	Sat, 08-Feb		02	Ratio, Proportion and Percentage.	Percentage.	1. Change a Percentage into Decimal Fraction. 2. Change a Decimal Fraction i Percentage. 3. Change a Fraction into Percentage. 4. Expressing one Quantity as Percentage of another. 5. Finding a Percentage of a Number.
29	Mon, 10-Feb	Fri, 14-Feb		02	Ratio, Proportion and Percentage.	Profit and Loss.	Solve problems of Profit and Loss.

30	Mon, 17-Feb	Sat, 22-Feb		03	Interest and Annuities.	Simple Interest.	Define and Solve Problems of Simple Interest.
31	Mon, 24-Feb	Fri, 28-Feb		03	Interest and Annuities.	Compound Interest.	1. Define and Solve Problems Compound Interest. 2. Compounding **"m"** times a year. 3. Effective Rate of Interest.
32	Mon, 03-Mar	Sat, 08-Mar		03	Interest and Annuities.	Annuity.	1. Amount of Annuity. 2. Sinking Fund. 3. Present Value of Annuity.
33	Mon, 10-Mar	Fri, 14-Mar		03	Revision / Synchronization.		
34	Mon, 17-Mar	Sat, 22-Mar		02	Revision / Synchronization.		
35	Mon, 24-Mar	Sat, 29-Mar		00			
36	Mon, 31-Mar	Fri, 04-Apr		00			
37	Mon, 07-Apr	Sat, 12-Apr		00	Preliminary Exams.		
38	Mon, 14-Apr	Fri, 18-Apr		00	Preliminary Exams.		

Term-III
Total Working Days: 126+57=183
Total Teaching Days: 52+23=75
Class Conducted=100%