

**Commecs College**  
**Macro Plan (2025-2026)**

**Subject: Business Mathematics**

**Teacher: Danish Feroz**

**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	Fri, 01-Aug	Fri, 08-Aug		03	Foundation/ Introduction.	1. First four fundamental operations.	Add, Subtract, Multiply and Divide numbers and variable
02	Mon, 11-Aug	Fri, 15-Aug		02	Foundation/ Introduction.	1. Laws of Exponent. 2. Law of Radicals.	1. Recall laws of radicals an exponents. 2. Apply the appropriate procedure for solving proble involving exponent and radicals.
03	Mon, 18-Aug	Fri, 23-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, 25-Aug	Fri, 30-Aug		02	Linear and Quadratic Equations.	Simultaneous Equation.	1. Apply the Method of Elimination for solving simultaneous equations.
05	Mon, 01-Sep	Fri, 05-Sep		02	Linear and Quadratic Equations.	Simultaneous Equation.	2. Apply the Method of Substitution for solving simultaneous equations
06	Mon, 08-sep	Fri, 13-Sep		02	Linear and Quadratic Equations.	Quadratic Equations.	Solution of a Quadratic Equation: 1. Method of Factorization. 2. Method of Quadratic Formula. 3. 3. Method of Completing the square.

07	Mon, 08-sep	Fri, 13-Sep		02	Functions and their Graphs	Graphs	<ol style="list-style-type: none"> <li>1. Function</li> <li>2. Coordinate system and graphs of functions</li> <li>3. Distance between two points.</li> </ol>
08	Mon, 15-sep	Fri, 19-Sep		02	Functions and their Graphs	Slope of a line/Equation of straight line	<ol style="list-style-type: none"> <li>4. Slope of a Line</li> <li>5. Equation of straight line when two points are given</li> <li>6. Equation of a straight line when slope and a point are given.</li> </ol>
07	Mon, 22-Sep	Fri, 27-Sep		02	Functions and their Graphs./ <b>Quiz Week</b>	Equation of straight line	<ol style="list-style-type: none"> <li>7. Equation of straight line when slope and y-intercept is given</li> <li>8. Equation of straight line when x-intercept and y-intercept are given.</li> </ol>
08	Mon, 29-Sep	Fri, 03-Oct		02	Functions and their Graphs.	Graph of Quadratic Equation.	<p>Draw the parabola for the equation.</p> <ol style="list-style-type: none"> <li>1. Direction of Parabola.</li> <li>2. Vertex of quadratic equation.</li> <li>3. Roots of equation.</li> </ol>
09	Mon, 06-Oct	Fri, 11-Oct		02	Matrices and Determinants.	Matrix.	<ol style="list-style-type: none"> <li>1. Define Matrix and Determinant</li> <li>2. Types of Matrices.</li> <li>3. Algebra of Matrices.</li> </ol>
10	Mon, 20-Oct	Fri, 25-Oct		02	Matrices and Determinants.	Determinant of a Matrix.	<ol style="list-style-type: none"> <li>1. Important Properties of Determinants.</li> <li>2. Singular and Non-singular Matrices.</li> <li>3. Inverse of a square matrix.</li> </ol>
11	Mon, 27-Oct	Fri, 31-Oct		02	Matrices and Determinants/ <b>Quiz Week</b>	Solution of simultaneous Equations.	Solve the simultaneous Equation through Matrices.

12	Mon, 03-Nov	Sat, 08-Nov		02	Matrices and Determinants.	Solution of simultaneous Equations.	Solve the simultaneous Equation by Cramer's Rule.
13	Mon, 17-Nov	Sat, 22-Nov		02	Binary number system	Conversions.	1. Conversion of Decimal to Binary. 2. Conversion of Binary to Decimal.
14	Mon, 24-Nov	Fri, 29-Nov		02	Binary number system/ <b>Quiz Week</b>	Conversions/Algebra of Binary Number.	1. Conversion of Decimal fraction to Binary fraction. 2. Conversion of Binary fraction Decimal fraction. 3. Binary Addition. 4. Binary Subtraction. 5. Binary Multiplication. Binary Division.
15	Mon, Dec 01	Fri, Dec 05			Mid Term Exam		
16	Mon, 08-Dec	Sat, 13-Dec			Mid Term Exam		
17	Mon, 15-Dec	Fri, 19-Dec			Sports Gala		
18	Mon, 22-Dec	Sat, 27-Dec			Winter Vacations.		

**Total Working Days Till mid Term 110**

**Total Teaching Days: 33**

**Classes Conducted=58.92%**

**Final Term Begins**

19	Mon, 30-Dec	Fri, 03-Jan			Winter Vacations/Science exhibition		
----	----------------	----------------	--	--	---	--	--

20	Mon, 05-Jan	Sat, 10-Jan		02	Ratio, Proportion and Percentage. Discussion of mid term Examination/PTM	Ratio.	Equal ratio. Compound Ratio. Dividing a Quantity in a Given Ratio. Combined Ratio.
21	Mon, 12-Jan	Fri, 16- Jan		02	Ratio, Proportion and Percentage.	Proportion.	1. Direct Proportion. 2. Inverse Proportion. Compound Proportion.
22	Mon, 19-Jan	Fri, 23-Jan		02	Ratio, Proportion and Percentage.	Percentage	1. Change a Percentage into Decimal Fraction. 2. Change a Decimal Fraction Percentage. 3. Change a Fraction into Percentage. 4. Expressing one Quantity as Percentage of another. Finding a Percentage of a Number.
23	Mon, 26-Jan	Sat, 31-Jan		02	Ratio, Proportion and Percentage/ <b>Quizzes</b>	Profit and Loss.	Solve problems of Profit and Loss.
24	Mon, 02-Feb	Fri, 06-Feb		02	Interest and Annuities.	Simple Interest.	Define and Solve Problems of Simple Interest.
25	Mon, 09-Feb	Sat, 14-Feb		03	Interest and Annuities.	Simple Interest.	Define and Solve Problems of Simple Interest.
26	Mon, 16-Feb	Fri, 20-Feb		02	Interest and Annuities.	Compound Interest.	1. Define and Solve Problems Compound Interest. 2. Compounding “ <b>m</b> ” times a year. 3. Effective Rate of Interest.

27	Mon, 23-Feb	Sat, 28- Feb		02	Interest and Annuities/Quizzes.	Annuity.	1. Amount of Annuity. 2. Sinking Fund. 3. Present Value of Annuity.
28	Mon, 02-Mar	Fri, 06-Mar		02	Interest and Annuities	Annuity.	
29	Mon, 09-Mar	Sat, 14- Mar		02	Revision / Synchronization.		
30	Mon, 16-Mar	Fri, 20-Mar		02	Revision/Quizzes		
31	Mon, 23-Mar	Sat, 28-Mar			<b>Preliminary Examination</b>		
32	Mon, 30-Mar	Fri, 03-Apr			<b>Preliminary Exams.</b>		
33	Mon, 06-Apr	Sat, 11-Apr			<b>Preliminary Exams.</b>		

**Final Term**

**Total Working Days:  $110+74=184$**

**Total Teaching Days:  $33+23=56$**

**Class Conducted=100%**