

ACA/DI/15	TEACHING PLAN (TP) Tentative	Academic Year:2025-26
REV: 00	Subject- <u>Mathematics</u>	Class- 11th Commerce
Date- 15/9/2025		Subject code-88

Stream:-Commerce
Standard: 11th-Maths

Subject:-Mathematics
Name of Faculty: Mrs. Mayura Patel

No.	Name of Chapters	Topics/ content of chapters	Planned Date of Commencing	Planned Date of Completion	Media/Teaching Aid/ Teaching Method used
1	Determinants	- find value of a determinant. - simplify determinant. - solve linear equations in 2/3 variables, find area of triangle using determinants.	12,13/08/2025 14,18/08/2025 19,20/08/2025	12,13/08/2025 14,18/08/2025 19,20/08/2025	White board Hand written notes
2	Sets and Relations	The student will be able to - work with sets and set functions. - construct sets from given conditions/description/ rule. - solve problems using set theory. Relations - identify the types of relations:- - use relations to associate different sets. - verify equality, equivalence or other relation- ships between given sets.	21,22/08/2025 23,25/08/2025 26/08/2025 28/08/2025 29,30/08/2025	21,22/08/2025 23,25/08/2025 26/08/2025 28/08/2025 29,30/08/2025	

3	Functions	• work with function defined on different domains. • identify different types of functions. • carry out complicated operations on functions.	2/09/2025 3/09/2025 4,8/09/2025	2/09/2025 3/09/2025 4,8/09/2025	White board Hand written notes
4	Partition Values	The student will be able to • calculate specified partition values for given ungrouped data • calculate specified partition values for grouped data (using formulae and graphs)	15,16,17/09/2025 18,19,23/09/2025	15,16,17/09/2025 18,19,23/09/2025	
5	Measures of Dispersion	• calculate range, quartiles and quartile deviation for given data • calculate variance and standard deviation from given data • calculate measures of dispersion for grouped data	24,25/9/2025 26,27/9/2025 29/9/2025	24,25/9/2025 26,27/9/2025 29/9/2025	
6	Skewness	• decide if the given frequency distribution is symmetric • calculate Pearson's coefficient of skewness • calculate Bowley's coefficient of skewness	30/9/2025 1/10/2025 3/10/2025	30/9/2025 1/10/2025 3/10/2025	
7	Bivariate Frequency Distribution	• construct a bivariate frequency distribution for given raw data • find marginal and conditional frequency distributions from given bivariate frequency distribution. • find χ^2 statistic.	6/10/2025 7/10/2025 8,9/10/2025	6/10/2025 7/10/2025 8,9/10/2025	
8	Correlation	• compute correlation coefficient for given bivariate data • compute correlation coefficient for a bivariate frequency table.	3,4,6/11/2025 7,8,10/11/2025	3,4,6/11/2025 7,8,10/11/2025	
9	Complex Numbers	simplify algebraic expressions involving complex numbers.	11,12,13,14,17,18 /11/2025	11,12,13,14,17,18 /11/2025	
10	Limits	• find limit of a function • determine whether a given function has a limit	19,20,21,22/11/2025 24,25,26/11/2025	19,20,21,22/11/2025 24,25,26/11/2025	

11	Continuity	- determine whether a given function is continuous at a given point - determine whether a given function is continuous over a specified interval - identify points of discontinuity of a given function	27,28,29/11/2025 1,2,3/12/2025 4,5,8/12/2025	27,28,29/11/2025 1,2,3/12/2025 4,5,8/12/2025	White board Hand written notes
12	Differentiation	differentiate algebraic functions	9,10,11,12,13,15/12/2025	9,10,11,12,13,15/12/2025	
13	Permutation and combination	- count the number of arrangements of given objects satisfying specified conditions - count the number of possible selections of objects satisfying specified conditions	16,17,18,19/12/2025 22,23,29,30,31/12/2025	16,17,18,19/12/2025 22,23,29,30,31/12/2025	
14	Sequence And Series	- identify the type of a given sequence. - find the general term of given sequence. Series:- - identify the type of a given series - find the nth term of a given series - find the sum of the first n terms of a given series - find the sum to infinite terms of a given series	1,2/1/2026 5/1/2026 10/1/2026 12,13/1/2026 15,16/1/2026	1,2/1/2026 5/1/2026 10/1/2026 12,13/1/2026 15,16/1/2026	
15	Locus And Straight Line	- find equation of a straight line satisfying given conditions - identify properties of given set of straight lines	19,20,21/1/2026 22,23,24,27/1/2026	19,20,21/1/2026 22,23,24,27/1/2026	
16	Probability	- calculate probabilities of events in a random experiment - calculate probability of an event using description of an experiment - calculate probabilities of events obtained using algebra of events.	28,29,30/1/2026 2,3,4/2/2026 5,6/2/2026	28,29,30/1/2026 2,3,4/2/2026 5,6/2/2026	
17	Linear Inequations	- identify sets of numbers satisfying given in - equations - solve a given set of in equations graphically	9,10,11/2/2026 12,13,14,16/2/2026	9,10,11/2/2026 12,13,14,16/2/2026	

18	Commercial Mathematics	• calculate percentages from given information • compare quantities in terms of percentages	17/2/2026	17/2/2026	White board Hand written notes
		Profit and Loss	18/2/2026	18/2/2026	
		• calculate profit/loss from descriptions of a commercial activity/transaction • express profit/loss in terms of percentages			
		Interest • calculate simple interest			
		• calculate compound interest			
		GST	20/2/2026	20/2/2026	
		• calculate CGST, SGST and UTGST • calculate input tax and output tax • calculate input tax credit at different stages of trade			
		Shares	23,24,25,26/2/2026	23,24,25,26/2/2026	
		• calculate dividend on shares • understand concepts of face value, market value, nominal value and par value of shares • calculate brokerage in a given transaction			
		Partnership	27,28/2/2026	27,28/2/2026	
		• understand types of partnerships • understand levels of involvement of partners in a specified business			
		Depreciation	2,3,5,6/3/2026	2,3,5,6/3/2026	
		• calculate depreciation using the initial value, period and duration of use of an asset • calculate present value from initial value for a given rate of depreciation and a specified duration after purchase of an asset			

Subject Teacher
Mrs.Mayura Patel

Principal
Mr. Sandip Patil