

COMMERCE DEPARTMENT

ACA/DI/30	TEACHING PLAN (TP) Tentative	Academic Year: 2026-27
REV: 00	Subject-Mathematics and Statistics	Class- 11th Commerce Div- A & B
Date- 26/8/2026		Subject Code-88

Faculty Name - Mrs. Mayura Patel

EXAMINATION PLAN- 2026-27

Exam	Date of Exam	Units for Exam
Unit Test-1 Exam	26/9/2026 to 30/9/2026	Ch-1 Determinants
		Ch-2 Sets and Relations
		Ch-3 Functions
Term-1 Exam	30/10/2026 to 06/11/2026	Ch-4 Partion Values
		Ch-5 Measures of Dispersion
		Ch-6 Skewness
		Ch-7 Bivariate Frequency Distribution
Unit Test-2 Exam	28/12/2026 to 31/12/2026	Ch-8 Correlation
		Ch-9 Complex Numbers
		Ch-10 Limits
		Ch-11 Continuity
Term-2 Exam	10/03/2027 to 17/03/2027	Ch-12 Differentiation
		Ch-13 Permutation and Combinations
		Ch-14 Sequence and Series
		Ch-15 Locus and Straight Lines
		Ch-16 Probability
		Ch-17 Linear Inequations
		Ch-18 Commercial Mathematics

Subject Teacher
Mrs. Mayura Patel

Principal
Mr. Sandip Patil

ACA/DI/15	TEACHING PLAN (TP) Tentative	Academic Year:2026-27
REV: 00		Class- 11th Commerce
Date- 25/8/2026	Subject- <u>Mathematics</u>	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.	20,21,22/7/2026 23,24,27/7/2026 28,29,30/7/2026	20,21,22/7/2026 23,24,27/7/2026 28,29,30/7/2026	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.	3,4,5/8/2026 6,7,8/8/2026 10,11/8/2026 12/8/2026 13,14/8/2026 17,18/8/2026	3,4,5/8/2026 6,7,8/8/2026 10,11/8/2026 12/8/2026 13,14/8/2026 17,18/8/2026	
3	Functions	- work with function defined on different domains. - identify different types of functions. - carry out complicated operations on functions.	19,20,21/8/2026 22,24,25/8/2026 26,27,29,31/8/2026	19,20,21/8/2026 22,24,25/8/2026 26,27,29,31/8/2026	
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)	1,2,3,4,7/9/2026 8,9,10,11,12/9/2026	1,2,3,4,7/9/2026 8,9,10,11,12/9/2026	
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	15,16,17,21/9/2026 22,23,24,30/9/2026 1,5,6,7/10/2026	15,16,17,21/9/2026 22,23,24,30/9/2026 1,5,6,7/10/2026	White board Hand written notes
6	Skewness	- decide if the given frequency distribution is symmetric - calculate Pearson's coefficient of skewness - calculate Bowley's coefficient of skewness	8,9,10/10/2026 12,13/10/2026 14,15/10/2026	8,9,10/10/2026 12,13/10/2026 14,15/10/2026	
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.	16,19,21/10/2026 22,23,26/10/2026 27,28,29/10/2026	16,19,21/10/2026 22,23,26/10/2026 27,28,29/10/2026	
8	Correlation	- compute correlation coefficient for given bivariate data - compute correlation coefficient for a bivariate frequency table.	23,25,26/11/2026 27,28,30/11/2026	23,25,26/11/2026 27,28,30/11/2026	
9	Complex Numbers	simplify algebraic expressions involving complex numbers.	1,2,3,4,7,8,9,10,11,14/12/2026	1,2,3,4,7,8,9,10,11,14/12/2026	
10	Limits	- find limit of a function - determine whether a given function has a limit	15,16,17,18,19/12/2026 21,22,23,24,26,29,30/12/2026	15,16,17,18,19/12/2026 21,22,23,24,26,29,30/12/2026	
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	1,2,4,5/1/2027 6,7,8/1/2027 11,12/1/2027	1,2,4,5/1/2027 6,7,8/1/2027 11,12/1/2027	
12	Differentiation	differentiate algebraic functions	13,14,15,18,19,20/1/2027	13,14,15,18,19,20/1/2027	

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	21,22,23,25/1/2027 27,28,29,30/1/2027	21,22,23,25/1/2027 27,28,29,30/1/2027	White board Hand written notes
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	1,2,3/2/2027 4,5,8/2/2027 9/2/2027 10/2/2027 11/2/2027 12/2/2027	1,2,3/2/2027 4,5,8/2/2027 9/2/2027 10/2/2027 11/2/2027 12/2/2027	
15	Locus And Straight Line	- find equation of a straight line satisfying given conditions - identify properties of given set of straight lines	13,15/2/2027 16/2/2027	13,15/2/2027 16/2/2027	
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.	17,18/2/2027 22,23/2/2027 24,25/2/2027	17,18/2/2027 22,23/2/2027 24,25/2/2027	
17	Linear Inequation	- identify sets of numbers satisfying given in - equations - solve a given set of in equations graphically	26,27/2/2027 29/2/2027	26,27/2/2027 29/2/2027	
18	Commercial Mathematics	- calculate percentages from given information - compare quantities in terms of percentages Profit and Loss - 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 - calculate CGST, SGST and UTGST - calculate input tax and output tax - calculate input tax credit at different stages of trade Shares - 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 - understand types of partnerships - understand levels of involvement of partners in a specified business Depreciation - 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	1/3/2027 1/3/2027 2/3/2027 2/3/2027 2/3/2027 3/3/2027 3/3/2027 3/3/2027 3/3/2027 3/3/2027 4/3/2027 4/3/2027 4/3/2027 4/3/2027 4/3/2027	1/3/2027 1/3/2027 2/3/2027 2/3/2027 2/3/2027 3/3/2027 3/3/2027 3/3/2027 3/3/2027 3/3/2027 4/3/2027 4/3/2027 4/3/2027 4/3/2027 4/3/2027	White board Hand written notes

Subject Teacher
Mrs.Mayura Patel

Principal
Mr. Sandip Patil