Courtesy: SANMACS INDIA

NIMCET (2008 - 2023)

Analysis of Topic-wise Mathematics Questions Asked in Previous Years Question Papers

Section	Topics	Number of Questions Asked																
		2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	Total
Algebra	Set Theory	1	2	3	4	2	1	1	2	2	1	1	1	1	2	4	1	29
	Indices, Surds and Logarithm	1	1	1	1	1	1	0	3	2	3	1	3	2	0	2	2	24
	Function	2	3	0	0	2	2	0	0	1	0	0	0	1	1	0	2	14
	Sequence and Series	2	4	2	1	2	3	2	1	1	0	6	1	1	1	1	2	30
	Properties of Binomial Coefficients	1	0	0	1	2	1	1	1	0	1	0	0	1	1	2	1	13
	Theory of Equations	3	1	2	1	4	2	2	2	2	2	0	2	2	0	1	4	30
	Permutation and Combination	2	0	4	3	3	3	2	5	3	6	5	4	4	1	3	3	51
	Probability Theory	5	3	4	2	5	4	5	6	3	4	6	6	2	4	5	6	70
	Statistics	3	4	3	2	4	1	2	3	1	3	2	1	5	1	1	0	36
	Matrices and Determinant	1	2	2	3	1	3	1	2	3	2	2	4	2	3	3	0	34
	Vector Algebra	6	4	7	8	5	4	6	5	8	5	6	6	4	5	3	5	87
Trigonometry	Trigonometric Identities and Ratios	2	0	3	5	1	1	4	2	4	3	2	3	4	1	0	4	39
	Trigonometric Equations	0	2	3	3	1	2	1	1	0	1	3	2	2	0	2	0	23
	Properties and Solution of a Triangle	1	2	2	0	2	3	3	2	2	2	2	0	2	1	0	1	25
	Height and Distance	1	1	0	1	0	0	0	1	1	1	1	1	0	1	0	0	9
	Inverse Trigonometric Functions	1	4	1	1	0	1	2	0	1	0	0	1	0	1	4	1	18

Section	Topic																	Total
2-Dimensional Geometry	Points and Straight Line	2	3	2	0	1	2	3	0	3	0	2	1	1	2	2	1	25
	Pair of Straight Lines	0	0	1	0	0	1	1	2	0	1	0	0	0	1	0	1	8
	Circle	1	1	1	0	2	1	0	1	2	0	2	1	1	1	0	1	15
	Conic Section	3	3	2	2	2	2	1	4	4	7	1	3	2	3	1	0	40
Differential Calculus	Limit, Continuity and Differentiability	3	2	2	3	3	3	2	1	1	1	1	3	1	1	1	1	29
	Differentiation	1	1	1	0	1	2	3	0	0	0	2	0	1	0	1	0	13
	Application of Derivatives	3	3	1	2	2	1	4	3	3	2	2	4	1	3	2	1	37
Integral Calculus	Indefinite Integration	2	1	2	2	2	1	0	2	0	3	0	3	0	1	0	0	19
	Definite	1	2	0	2	1	3	2	0	3	2	2	0	3	3	1	2	27
	Area Bounded by Curves	0	1	1	2	0	1	0	1	0	0	1	0	2	1	1	1	12
Out of Syllabus/Additional		2	0	0	1	1	1	2	0	0	0	0	0	0	1	0	0	8
Total		50	50	50	50	50	50	50	50	50	50	50	50	45	40	40	40	765

Mathematics Section-wise % Weightage

Legend:
- ALGEBRA
- TRIGONOMETRY
- 2-DIMENSIONAL GEOMETRY
- DIFFERENTIAL CALCULUS
- INTEGRAL CALCULUS
- OUT OF SYLLABUS

(55%, 15%, 11%, 10%, 9%, 8%, 1%)

Reg. & Corp. Office: SAI SANMACS PLAZA, Plot No. 6A, Community Center, DDA, Sector – 8, Near Kendriya Vidyalaya & ICICI Bank, Rohini, Delhi – 110085

Locate us: https://maps.app.goo.gl/fU65CCTZ6FgmfhbK9?g_st=iw

Connect with us: 9540661880 | 9540661880 | info@sanmacs.com
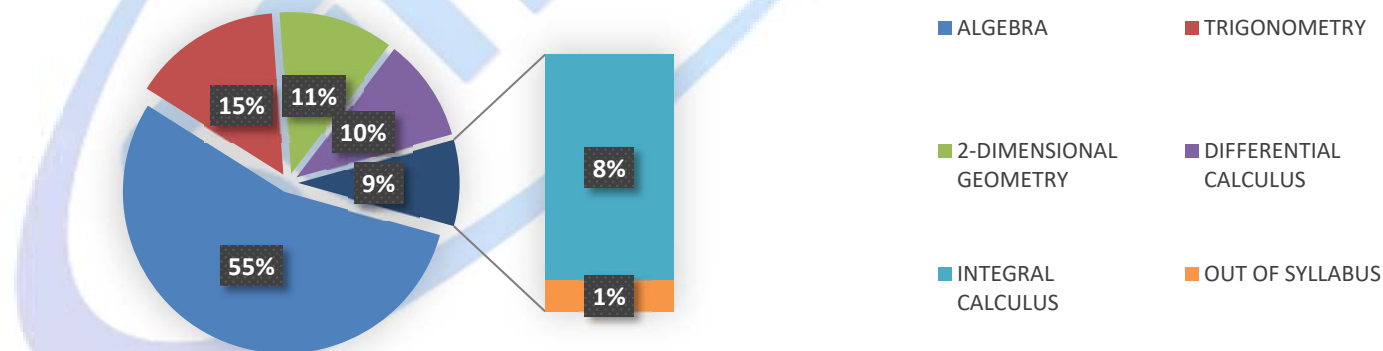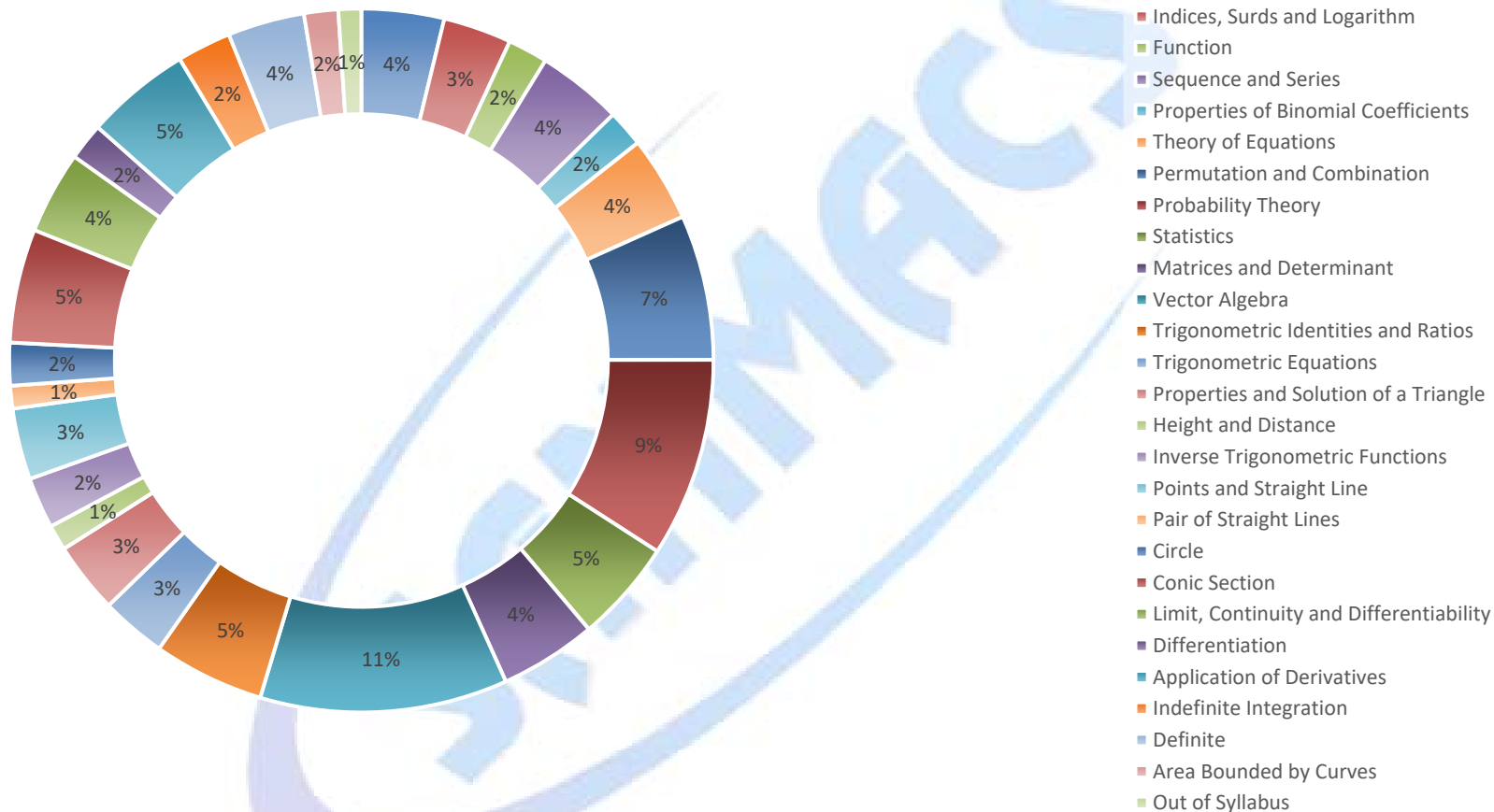
Visit us: www.sanmacs.com | https://www.facebook.com/sanmacs94

Mathematics Topics-wise % Weightage

Legend:
- Set Theory
- Indices, Surds and Logarithm
- Function
- Sequence and Series
- Properties of Binomial Coefficients
- Theory of Equations
- Permutation and Combination
- Probability Theory
- Statistics
- Matrices and Determinant
- Vector Algebra
- Trigonometric Identities and Ratios
- Trigonometric Equations
- Properties and Solution of a Triangle
- Height and Distance
- Inverse Trigonometric Functions
- Points and Straight Line
- Pair of Straight Lines
- Circle
- Conic Section
- Limit, Continuity and Differentiability
- Differentiation
- Application of Derivatives
- Indefinite Integration
- Definite
- Area Bounded by Curves
- Out of Syllabus

Chart values shown: 4%, 3%, 2%, 4%, 2%, 4%, 7%, 9%, 5%, 4%, 11%, 5%, 3%, 3%, 1%, 2%, 3%, 1%, 2%, 5%, 4%, 2%, 5%, 2%, 4%, 2%, 1%