

| NIMCET - 2023 | Exam Date: 11-Jun-2023 | Detailed Syllabus

Courtesy: SANMACS INDIA

NIMCET – 2023

Detailed Syllabus for Master of Computer Applications (MCA) Entrance Exam

Detailed Synabus for Waster of Computer Applications (WCA) Entrance Exam		
S.N.	Sections	Topics
		Concept of sets – Union, Intersection, Cardinality, Elementary counting; permutations and
		combinations.
		Basic concepts of probability theory, Averages, Dependent and independent events, frequency
		distributions, measures of central tendencies and dispersions.
		Fundamental operations in algebra, expansions, factorization, simultaneous linear/quadratic
		equations, indices, logarithms, arithmetic, geometric and harmonic progressions, determinants and
		matrices.
1	Mathematics	Rectangular Cartesian coordinates, distance formulae, equation of a line, and intersection of lines,
		pair of straight lines, equations of a circle, parabola, ellipse, and hyperbola.
		Limit of functions, continuous function, differentiation of function, tangents and normal, simple
		examples of maxima and minima. Integration of functions by parts, by substitution and by partial
		fraction, definite integrals, applications of definite integrals to areas.
		Position vector, addition and subtraction of vectors, scalar and vector products and their
		applications to simple geometrical problems and mechanics.
		Simple identities, trigonometric equations properties of triangles, solution of triangles, heights and
		distances, general solutions of trigonometric equations.

Register for FREE NIMCET/CUET(PG)



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: (2) 9540661880 | (3) 9540661880 | (3) info@sanmacs.com

Register for 4 FREE Classes



This document has been downloaded from the official website of SANMACS INDIA

Courtesy: SANMACS INDIA

NIMCET - 2023

Detailed Syllabus for Master of Computer Applications (MCA) Entrance Exam

Detailed Symbols for Master of Compater rippireations (Meri, Entrance Exam		
S.N.	Sections	Topics
2	Analytical Ability and Logical Reasoning	The questions in this section will cover logical situation and questions based on the facts given in the passage.
3	Computer Awareness	Computer Basics: Organization of a computer, Central Processing Unit (CPU), structure of instructions in CPU, input/output devices, computer memory, and back-up devices. Data Representation: Representation of characters, integers and fractions, binary and hexadecimal representations, binary arithmetic: addition, subtraction, multiplication, division, simple arithmetic and two's complement arithmetic, floating point representation of numbers, Boolean algebra, truth tables, Venn diagrams
4	General English	Questions in this section will be designed to test the candidates' general understanding of the English language. There will be questions on the following topics: Comprehension, vocabulary, Basic English Grammar (like usage of correct forms of verbs, prepositions and articles), word power, synonyms and antonyms, meaning of words and phrases, technical writing.

Register for FREE NIMCET/CUET(PG)
Tips, Tricks & Guidance



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

Register for 4 FREE Classes



This document has been downloaded from the official website of SANMACS INDIA