NIMCET Syllabus 2024

NIMCET 2024 syllabus has been released at nimcet.in along with the information brochure. The syllabus for NIMCET 2024 features all the chapters and important topics from each of the four sections, namely, Mathematics, General English, Computer Awareness, and Analytical Ability & Logical Reasoning. Candidates must go through the complete NIMCET 2024 syllabus to stay updated on what to study and which sections to prioritize before commencing the exam preparation. Along with the syllabus, the NIMCET 2024 exam pattern will also be made available to provide students with an idea of the question pattern, marking scheme etc. Candidates can also check out the best books for NIMCET 2024 as per the topics included in the syllabus to score well in the examination.

NIMCET 2024 Syllabus for Mathematics

One of the core subjects included in the NIMCET syllabus 2024 is Mathematics. Candidates can find the detailed NIMCET 2024 Math syllabus in the following table:

Name of the Chapter	Topics to be Covered
Set Theory	Concept of sets – Union, Intersection, Cardinality, Elementary counting; permutations and combinations.
Probability and Statistics	Basic concepts of probability theory, Averages, Dependent and independent events, frequency distributions, measures of central tendencies and dispersions
Algebra	Fundamental operations in algebra, expansions, factorization, simultaneous linear /quadratic equations, indices, logarithms, arithmetic, geometric and harmonic progressions, determinants and matrices
Coordinate Geometry	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
Calculus	Limit of functions, continuous function, differentiation of function, tangents and normals, 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
Vectors	Position vector, addition and subtraction of vectors, scalar and vector products and their applications to simple geometrical problems and mechanics

Trigonometry	Simple identities, trigonometric equations, properties of triangles, solution of triangles, heights and distances, general solutions of trigonometric equations

NIMCET Syllabus 2024 - Analytical Ability & Logical Reasoning

The second most important section comprising 40 questions in the NIMCET exam paper is Analytical Ability & Logical Reasoning. The questions in this part will include logical situations and queries based on the material in the passage. Hence, there is no syllabus for this subject that is separated into themes.

NIMCET 2024 Syllabus for Computer Awareness

Candidates must note that 20 questions will be asked from the Computer Awareness section. The NIMCET 2024 syllabus for Computer Awareness is as follows -

Name of the Chapter	Topics to be Covered
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

NIMCET 2024 Syllabus for General English

Questions in this section will test the candidate's knowledge of the English language. A total number of 10 questions will be asked. The NIMCET 2024 syllabus for General English is as follows -

- Comprehension

- Vocabulary

- Basic English Grammar

- Word Power

- Synonyms

- Antonyms

- Meaning of Words & Phrases

- Technical Writing

NIMCET Exam Pattern 2024

The NIMCET 2024 exam will be held online. Candidates must be informed of the NIMCET exam pattern 2024, which will aid in their preparation. Candidates can view the NIMCET 2024 test pattern in the table below.

Particulars	Details
Examination Mode	Online
NIMCET Medium	English
Total Duration of NIMCET	2 hours
Type of Questions	Objective type (MCQ)
Number of Chapters in NIMCET	4 sections - • Mathematics • General English • Analytical Ability & Logical Reasoning • Computer Awareness
Total Number of Questions	120
Total Marks in NIMCET	1000 Marks

| Marking Scheme | • Correct answers carry 12, 6 and 4 marks |
| | • Incorrect answers deduct 3, 1.5 and 1 marks |

How to Prepare for NIMCET 2024?

The level of preparation a candidate has for the exam is critical to achieving good results. Candidates seeking admission to the MCA programme can check out some tips on [how to prepare for NIMCET 2024](#) here. This will assist NIMCET aspirants in strategizing and balancing their whole preparation approach.

- Prepare a timetable and plan your lessons and revision accordingly

- Divide your time so that each topic has enough time to study

- Make certain to select the best available books for exam preparation

- Make use of sample papers as well as previous year's papers for assistance