NIMCET 2026 MCA Entrance Guide for NITs

ThinkKorra Theme Edition

1. Exam Overview

Parameter	Details
Exam Name	NIMCET (NIT MCA Common Entrance Test)
Mode	Computer Based Test (Online)
Duration	120 Minutes
Total Questions	120
Total Marks	1000
Negative Marking	25% deduction per wrong answer
Medium	English

2. Section-wise Distribution

Section	Questions	Marks/Q	Total Marks	Negative
Mathematics	50	12	600	-3
Analytical Ability & Reasoning	40	6	240	-1.5
Computer Awareness	20	6	120	-1.5
General English	10	4	40	-1
Total	120		1000	

3. Mathematics Detailed Syllabus (600 Marks)

Topic	Detailed Chapters
Set Theory	Sets, Subsets, Power Set, Venn Diagrams, De Morgan's Laws
Algebra	Matrices, Determinants, Inverse, Rank, Complex Numbers, AP/GP/HP
Trigonometry	Trigonometric Identities, Equations, Heights & Distances
Coordinate Geometry	Straight Lines, Circles, Parabola, Ellipse, Hyperbola
Calculus	Limits, Continuity, Differentiation, Applications of Derivatives, Indefinite & Definite Integration
Probability & Statistics	Conditional Probability, Bayes Theorem, Random Variables, Mean, Variance, Standard Deviation

4. Analytical Ability & Logical Reasoning (240 Marks)

Topic	Detailed Chapters
Series	Number Series, Alphabet Series, Missing Term
Coding-Decoding	Letter Coding, Substitution, Pattern Logic
Puzzles	Linear & Circular Seating, Floor Puzzles
Blood Relations	Coded & Direct Relations
Direction Sense	Distance, Turns, Shortest Path

Topic	Detailed Chapters
Syllogism	Statement & Conclusions, Venn Diagram Method
Data Interpretation	Tables, Bar Graphs, Pie Charts

5. Computer Awareness (120 Marks)

Topic	Detailed Chapters
Computer Architecture	Input/Output Units, CPU, ALU, Control Unit, Memory Hierarchy
Number System	Binary, Octal, Hexadecimal, Conversions, 1's & 2's Complement
Operating Systems	Process, Memory, File System Basics
Networking	OSI Model, LAN/WAN, IP Addressing, HTTP/FTP
Data Structures	Array, Stack, Queue, Linked List (Conceptual)
Programming Basics	C Language Basics, Variables, Loops, Functions

6. General English (40 Marks)

Area	Detailed Topics
Vocabulary	Synonyms, Antonyms, Idioms, One-word Substitution
Grammar	Tenses, Prepositions, Articles, Error Detection, Sentence Correction
Reading Comprehension	Short Passage (Inference, Tone, Main Idea)

7. Score Formula

Mathematics: (Correct × 12) - (Wrong × 3)
Reasoning: (Correct × 6) - (Wrong × 1.5)
Computer: (Correct × 6) - (Wrong × 1.5)
English: (Correct × 4) - (Wrong × 1)

Example:
45 correct (Math), 10 wrong → (45×12) - (10×3) = 540 - 30 = 510