

NIT MCA Common Entrance Test NIMCET

Introduction :

National Institutes of Technology (NITs) are premier Institutions of National repute imparting technical education in India. These institutions were formally known as Regional Engineering Colleges (RECs). The Ministry of Human Resource Development, Govt. of India elevated RECs to National Institutes of Technology with Deemed University Status. NITs are fully funded by Govt. of India. The NIMCET is a National Level Test being conducted by NIT, Tiruchirappalli on behalf of all NITs offering MCA programme. The admission to MCA programme in all these NITs will be based on the rank obtained in NIMCET 05 only.

Eligibility :

1. Indian Nationals having minimum 60% aggregate marks (6.5/10 CGPA) in each of the examinations of (i) 12th level and (ii) Bachelor's Degree of Full Time of minimum 3 years duration from a recognized University with Mathematics/Statistics/Business Mathematics as one of the subjects in any one semester/year in all the above (i) and (ii) mentioned courses, are eligible to apply.
2. SC/ST Candidates with minimum 55% aggregate marks (6.0/10CGPA) are eligible.

3. The candidates who are appearing for the qualifying examination are also eligible to appear for NIMCET. Such candidates shall have to furnish the proof of fulfilling the eligibility criteria of NIMCET preferably at the time of Counseling/Admission but not later than 31st July failing which, their admission may be cancelled by the respective NITs.

Availability of Seats in Participating NITs :

NITs	Total Seats	Distribution of Seats
Allahabad	93	All India - 93
Agartala	15	All India - 15
Bhopal	92	All India - 92
Calicut	41	All India - 41
Durgapur	78	All India - 78
Jamsedpur	78	All India - 39, Jharkhand-39
Kurukshetra	92	All India - 92
Raipur	82	All India - 41, Chattisgarh-41
Surathkal	92	All India - 92
Tiruchirappalli	92	All India - 46, TN - 46,
Warangal	46	All India - 46

Total Seats : 801

Admission Methodology

Please contact the individual NITs for their admission procedures and other details. To get the details visit to following websites:

www.mnit.ac.in, www.manit.ac.in, www.nitc.ac.in,
www.nitdgp.ac.in, www.nitjsr.ac.in, www.nitk.ac.in,
www.nitt.edu, www.nitkkr.ac.in, www.nitw.ac.in
www.nitagartala.in

NIMS
KANPUR
M.C.A. Entrance by **RAM GOPAL SINGH**
110/206, G.T. ROAD, (Near Gumti No. 5 Crossing) KANPUR
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Mode of Examination :

The NIMCET examination will be for a duration of two hours (120 min.) and consists of 120 multiple choice questions with four choices for each question. Each correctly answered question carries FOUR marks and each wrongly answered question invites NEGATIVE ONE mark. The candidates have to mark the responses in the OMR sheets supplied at the time of examination.

Distribution of Questions :

The question paper will contain 120 objective type questions covering the following topics :

1. Mathematics 40 questions
2. Analytical Ability and Logical Reasoning 55 questions
3. Computer Awareness 10 questions
4. General English 15 questions

Detailed Syllabus :

MATHEMATICS : (40 questions)

Set Theory : Concepts 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, Equations of a line, Intersection of lines, Pairs of straight lines, Equations of a circle, Parabola, Ellipse and Hyperbola.

Calculus : Limit of functions, Continuous functions, Differentiation of functions, tangents and normals, Simple examples of maxima and minima, Integration of function 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, Height and Distances, General solutions of trigonometric equations.

ANALYTICAL ABILITY AND LOGICAL REASONING : (55 questions)

The questions in this section will cover logical reasoning and quantitative aptitude. Some of the questions will be on comprehension of a logical situation and questions based on the facts given in the passage.

COMPUTER AWARENESS : (10 questions)

Computer Basics : Organization of a Computer, Central Processing Unit (CPU), Structure of instructions in CPU, Input / output devices, Computer memory, 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.

GENERAL ENGLISH : (15 questions)

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, Meanings of words and phrases, Technical writing.

List of Test Centres :

Allahabad, Bhopal, Patna, Raipur, Calicut, Durgapur, Hamirpur, Jaipur, Jalandhar, Jamshedpur, Kurukshetra, Nagpur, Rourkela, Surat, Surathkal, Tiruchirappalli, Warangal, Agartala, Silchar and Srinagar.

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