

NIT - NIMCET -2008

INFORMATION BROCHURE

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INTRODUCTION

National Institutes of Technology (NITs) are premier Technical Institutions of National repute and fully funded by Government of India. The Curricula and Syllabi of Master of Computer Applications (MCA) programme offered by NITs are designed considering the need of different Software Houses in India and abroad and has a high job potential in IT Sector. The NIMCET is a National Level Entrance Test conducted by NITs for admission to their MCA programme. The admission to MCA programme offered by all the NITs for the year 2008-09 will be based on the Rank obtained in **NIMCET '08 ONLY**.

ELIGIBILITY

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 3 year 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. SC/ST Candidates with minimum 55% aggregate marks (6.0/10 CGPA) are eligible. The candidates who are appearing for the qualifying examination are also eligible to appear for NIMCET-2008. Such candidates shall have to furnish the proof of fulfilling the eligibility criteria of NIMCET-08 preferably at the time of Counseling/ Admission but not later than 31st July, 2008, failing which, their admission may be cancelled by the respective NITs.

MODE OF EXAMINATION:

The NIMCET-08 examination will be for a duration of two hours 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. **Candidates have to bring their own HB pencil, eraser and ball point pen. Calculators, mobile phones or any other materials shall not be allowed in the examination hall.**

LIST OF TEST CENTRES:

TEST CENTRES	TEST CENTRE CODES
NIT Agartala	11
MNNIT Allahabad	12
MANIT Bhopal	13
NIT Calicut	14
NIT Durgapur	15
NIT Hamirpur	16
MNIT Jaipur	17
NIT Jalandhar	18
NIT Jamshedpur	19
NIT Kurukshetra	20
VNIT Nagpur	21
NIT Patna	22
NIT Raipur	23
NIT Rourkela	24
NIT Silchar	25
NIT Srinagar	26
NIT Surat	27
NITK Surathkal	28
NIT Tiruchirappalli	29
NIT Warangal	30

(NOTE: This list is tentative. Some centres may be cancelled if enough number of candidates do not opt for the centre).

LIST OF PARTICIPATING NITs, SEATS AND CONTACT DETAILS:

NIT(s)	Total Seats	Distribution of Seats	Contact Email ID
Allahabad	60	All India - 60	nimcet@mnnit.ac.in
Bhopal	60	All India - 60	admission@manit.ac.in
Calicut	30	All India - 30	pgadmissions@nitc.ac.in
Durgapur	60	All India - 60	nimcet_08@nitdgp.ac.in
Jamshedpur	30	All India - 15 Jharkand - 15	amishra_8@yahoo.com
Kurukshetra	60	All India - 60	rsibhatia@yahoo.co.in
Raipur	60	All India - 30 Chattisgarh - 30	drdsbal@rediffmail.com
Surathkal	60	All India - 60	macs@nitk.ac.in
Tiruchirappalli	60	All India - 30 TN - 30	reddy@nitt.edu
Warangal	30	All India - 30	admissions@nitw.ac.in

- NOTE:** 1. Among the All India seats, there is no separate state-wise quota.
2. Reservations - As per Government of India Rules
3. Seat Matrix : Subject to change.

DISTRIBUTION OF QUESTIONS:

The question paper will contain 120 multiple choice questions covering the following topics:

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|----|--|--------------|
| 1. | Mathematics | 40 questions |
| 2. | Analytical Ability & Logical Reasoning | 50 questions |
| 3. | Computer Awareness | 15 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, equation of a line, 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 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, heights and distances, General solutions of trigonometric equations.

ANALYTICAL ABILITY AND LOGICAL REASONING : (50 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 : (15 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.

ADMISSION METHODOLOGY, APPLICATION FORM, APPLICATION FEE:

NIMCET-08 application form is applicable for both the Entrance Examination and for admission to MCA at all the NITs offering MCA programme. Candidates are not required to apply separately to each NIT for admission. **The admission to MCA programme in all the 10 participating NITs will be through a Single Window Centralized Counseling/ Seat Allotment at respective NITs based on NIMCET-08 Rank as well as their choices mentioned in the Application Form, tentatively in June 2008.** Exact details in this regard will be intimated in due course to all eligible candidates for Counseling. Please note that there is no inter NIT transfer of candidates after being admitted into any of the NITs. Candidates once allotted a seat in any particular NIT will have to take admission at that NIT only.

The general eligibility to write NIMCET is the same for all NITs. Admission criteria and fee structure may differ from one Institute to the other. Please contact the individual NIT for such details at the following websites: www.mnnit.ac.in, www.manit.ac.in, www.nitc.ac.in, www.nitdgp.ac.in, www.nitjsr.ac.in, www.nitk.ac.in, www.nitkr.ac.in, www.nitr.ac.in, www.nitt.edu, www.nitw.ac.in.

The candidates are required to fill in web enabled on-line applications forms from any place of their convenience. **Also they are required to take a print out of the electronic submission and send it by post along with necessary documents and a Demand draft.**

Alternatively the application form for NIMCET-08 can be downloaded from www.nitk.ac.in or any of the web sites mentioned above.

Filled in Application Form along with the required fee in the form of Demand Draft and copies of 10+2+3 (Graduation) Marks Sheets/Certificates, is to be sent by Post to **The Chairman, NIMCET-08, National Institute of Technology Karnataka, Surathkal, Mangalore - 575 025** so as to reach on or before 31st March, 2008.

Applications received after the due date (due to postal delay or any other reasons) will not be considered.

The Application Fee for the Entrance Examination of the **MCA programme is Rs. 700/- for OPEN and Rs. 350/- for SC/ST candidates.** Candidates will have to take Demand Draft for the above amount drawn in favour of **"The Chairman, NIMCET-08"**, payable at State Bank

of India, Surathkal, or any other nationalized bank payable at Mangalore. **Candidates are advised to write their name and address on the reverse side of the Demand Draft.**

SCORE CARD

No separate Score Card will be sent to the candidates. The list of candidates called for Counselling/Seat Allotment based on NIMCET-2008 rank will be published in the websites of all the participating NITs offering MCA Programme.

DISCLAIMER:

1. In case of any discrepancy with respect to the conduct of NIMCET-08, the decision of Chairman, NIMCET-08 will be final.
2. Allotted Test Centre will not be changed in any circumstance.

LEGAL JURISDICTION

All disputes pertaining to the conduct of NIMCET-2008 shall fall within the jurisdiction of Mangalore, Karnataka only.

IMPORTANT DATES:-

Availability of Online Application form	20 th Feb.'08
Last date for receipt of filled in Application form along with requisite DD by post / hand	31 st March '08
Dispatch of Admit card	18 th April '08
Date & Time of Examination	18 th May '08 10 A.M to 12 Noon
Date of Publication of Result	31 st May, '08 (tentative)
Counseling Dates	19 th to 21 st June, '08 (tentative)

CHECK LIST

(Please tick [v] the appropriate box)

- i) Duly filled-in and signed Application Form.
- ii) Duly filled in Admit Cards (A and B) along with affixed photographs.
- iii) Self Addressed Envelope (bearing Postage Stamp worth Rs.5/-).
- iv) Bank Demand Draft: Rs.700/- for Open/ OBC Rs.350/- for SC/ST
- v) Mark Sheets: 10th Class 12th Class Degree
- vi) Category Certificate from the Competent Authority, if applicable.
- vii) Physically Handicapped Certificate from the Competent Authority, if applicable.

NOTE: The duly filled in application form along with the relevant certificates (See the Check-list above), should be sent by Post/ Courier to:

**The Chairman, NIMCET-08,
National Institute of Technology Karnataka, Surathkal
MANGALORE – 575 025**

Last Date for the receipt of application: March 31, 2008.

Applications received after the due date will not be entertained.

TEST CENTRES	TEST CENTRE CODES
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MNNIT Allahabad	12
MANIT Bhopal	13
NIT Calicut	14
NIT Durgapur	15
NIT Hamirpur	16
MNIT Jaipur	17
NIT Jalandhar	18
NIT Jamshedpur	19
NIT Kurukshetra	20
VNIT Nagpur	21
NIT Patna	22
NIT Raipur	23
NIT Rourkela	24
NIT Silchar	25
NIT Srinagar	26
NIT Surat	27
NITK Surathkal	28
NIT Tiruchirappalli	29
NIT Warangal	30

ADDRESS SLIPS

(To be filled in by the Candidate)

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