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:

<table>
<thead>
<tr>
<th>TEST CENTRE</th>
<th>TEST CENTRE CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>NIT Agartala</td>
<td>11</td>
</tr>
<tr>
<td>MNMIT Allahabad</td>
<td>12</td>
</tr>
<tr>
<td>MANIT Bhopal</td>
<td>13</td>
</tr>
<tr>
<td>NIT Calicut</td>
<td>14</td>
</tr>
<tr>
<td>NIT Durgapur</td>
<td>15</td>
</tr>
<tr>
<td>NIT Hamirpur</td>
<td>16</td>
</tr>
<tr>
<td>MNIT Jaipur</td>
<td>17</td>
</tr>
<tr>
<td>NIT Jalandhar</td>
<td>18</td>
</tr>
<tr>
<td>NIT Jamshedpur</td>
<td>19</td>
</tr>
<tr>
<td>NIT Kurukshetra</td>
<td>20</td>
</tr>
<tr>
<td>VNIT Nagpur</td>
<td>21</td>
</tr>
<tr>
<td>NIT Patna</td>
<td>22</td>
</tr>
<tr>
<td>NIT Raipur</td>
<td>23</td>
</tr>
<tr>
<td>NIT Rourkela</td>
<td>24</td>
</tr>
<tr>
<td>NIT Silchar</td>
<td>25</td>
</tr>
<tr>
<td>NIT Srinagar</td>
<td>26</td>
</tr>
<tr>
<td>NIT Surat</td>
<td>27</td>
</tr>
<tr>
<td>NITK Surathkal</td>
<td>28</td>
</tr>
<tr>
<td>NIT Tiruchirappalli</td>
<td>29</td>
</tr>
<tr>
<td>NIT Warangal</td>
<td>30</td>
</tr>
</tbody>
</table>

(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:

<table>
<thead>
<tr>
<th>NIT(s)</th>
<th>Total Seats</th>
<th>Distribution of Seats</th>
<th>Contact Email ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allahabad</td>
<td>60</td>
<td>All India – 60</td>
<td><a href="mailto:nimcet@mnnit.ac.in">nimcet@mnnit.ac.in</a></td>
</tr>
<tr>
<td>Bhopal</td>
<td>60</td>
<td>All India - 60</td>
<td><a href="mailto:admission@manit.ac.in">admission@manit.ac.in</a></td>
</tr>
<tr>
<td>Calicut</td>
<td>30</td>
<td>All India – 30</td>
<td><a href="mailto:pgadmissions@nitc.ac.in">pgadmissions@nitc.ac.in</a></td>
</tr>
<tr>
<td>Durgapur</td>
<td>60</td>
<td>All India - 60</td>
<td><a href="mailto:nimcet_08@nitdgp.ac.in">nimcet_08@nitdgp.ac.in</a></td>
</tr>
<tr>
<td>Jamshedpur</td>
<td>30</td>
<td>All India – 15 Jharkand – 15</td>
<td><a href="mailto:amishra_8@yahoo.com">amishra_8@yahoo.com</a></td>
</tr>
<tr>
<td>Kurukshetra</td>
<td>60</td>
<td>All India – 60</td>
<td><a href="mailto:rsibhatia@yahoo.co.in">rsibhatia@yahoo.co.in</a></td>
</tr>
<tr>
<td>Raipur</td>
<td>60</td>
<td>All India – 30 Chattisgarh – 30</td>
<td><a href="mailto:drdsbal@rediffmail.com">drdsbal@rediffmail.com</a></td>
</tr>
<tr>
<td>Surathkal</td>
<td>60</td>
<td>All India – 60</td>
<td><a href="mailto:macs@nitk.ac.in">macs@nitk.ac.in</a></td>
</tr>
<tr>
<td>Tiruchirappalli</td>
<td>60</td>
<td>All India – 30 TN – 30</td>
<td><a href="mailto:reddy@nitt.edu">reddy@nitt.edu</a></td>
</tr>
<tr>
<td>Warangal</td>
<td>30</td>
<td>All India – 30</td>
<td><a href="mailto:admissions@nitw.ac.in">admissions@nitw.ac.in</a></td>
</tr>
</tbody>
</table>

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:

1. Mathematics  
2. Analytical Ability & Logical Reasoning  
3. Computer Awareness  
4. General English

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.nit.ac.in, www.nitdgp.ac.in, www.nitjsr.ac.in, www.nit.ac.in, www.nitkkr.ac.in, www.nitrr.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:**

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Availability of Online Application form</td>
<td>20th Feb.'08</td>
</tr>
<tr>
<td>Last date for receipt of filled in Application form along with requisite DD by post / hand</td>
<td>31st March ’08</td>
</tr>
<tr>
<td>Dispatch of Admit card</td>
<td>18th April ‘08</td>
</tr>
<tr>
<td>Date &amp; Time of Examination</td>
<td>18th May ’08 10 A.M to 12 Noon</td>
</tr>
<tr>
<td>Date of Publication of Result</td>
<td>31st May, ’08 (tentative)</td>
</tr>
<tr>
<td>Counseling Dates</td>
<td>19th to 21st June,’08 (tentative)</td>
</tr>
</tbody>
</table>
1. Name of the Candidate in full (in BLOCK LETTERS), as in School Leaving Certificate:
   Surname: 
   First Name: 
   Middle Name: 
   Affix your recent photograph, duly self attested.

2. Address for communication (in BLOCK LETTERS):
   State: 
   PIN: 

3. Email(s):
   1. 
   2. 

4. Contact Phone Nos.:
   Cell: 
   Landline: 
   STD No.

5. a) Date of Birth: 
   b) Sex: Male Female
   D D M M Y Y

6. Choice of Test Centres, in the order of preference. (See the brochure/advertisement for the list of centres):
   i) 
   ii) 
   iii) 

7. State of Eligibility (State from which the candidate appeared/ appearing the Graduate Examination):

Page 1 of 3
8. Name of the Father/ Mother/ Guardian (Strike out whichever is not applicable):

9. Category (Tick appropriate box):  OPEN  SC  ST  OBC*

10. Are you eligible for physically handicapped reservation?:  YES  NO

(if you are claiming Scheduled Caste/ Scheduled Tribe/OBC*/Physically Handicapped seats, attach the attested copies of the relevant certificate issued by the Competent Authority.)

11. P.U./XI/ XII/ T.N./J. Intermediate Year of Passing:
   Examination:
   Percentage: /CGPA: on (Points) (Scale)

12. Name of the Qualifying Examination:
    (Please check the Eligibility Criteria)
    Year of Passing:

13. Percentage of Marks/CGPA in the Qualifying Examination:
    (Write RA. if Results are Awaited)
    (Points) (Scale)

13. Details of NIMCET-08 fees:

<table>
<thead>
<tr>
<th>DD No.</th>
<th>Date</th>
<th>Amount</th>
<th>Issuing Bank &amp; Branch</th>
<th>Payable at</th>
</tr>
</thead>
</table>

(Demand Draft of Rs.700/- (for OPEN & OBC) and Rs.350/- (for SC/ST) drawn in favour of "The Chairman, NIMCET-08", on any Nationalized Bank payable at Surathkal/ Mangalore).

DECLARATION

1. Mr./ Ms./Mrs. ____________________________________________ do hereby sincerely affirm that

(a) I have filled in the application form myself and fulfill the eligibility criteria laid down by NIMCET-08 and if any statement made by me is found to be false or incorrect at any time, I shall be liable to such actions as deemed proper by the CHAIRMAN, NIMCET-08.

(b) I shall strictly abide by the rules and regulations of NIMCET-08.

Date: ____________________________

SIGNATURE OF THE CANDIDATE

"Reservation for OBC category is subject to the Regulations of Govt. of India."
CHECK LIST

(Please tick [✓] 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.
NIMCET – 08
ADMIT CARD (OFFICE COPY)
(To be filled in by the Candidate)

Name in Full [in BLOCK LETTERS as in School Leaving Certificate]:

Address for Communication [in BLOCK LETTERS]:

FOR OFFICE USE ONLY
NIMCET-08 ROLL NO.:
TEST CENTRE ALLOTTED:

Date and Time of Examination: May 18, 2008 (Sunday)
from 10.00 AM to 12.00 Noon.
Time of Reporting at Test Centre: Before 09.30 AM on May 18, 2008.

SIGNATURE OF THE CANDIDATE

NIMCET – 08
ADMIT CARD (CANDIDATE’S COPY)
(To be filled in by the Candidate)

Name in Full [in BLOCK LETTERS as in School Leaving Certificate]:

Address for Communication [in BLOCK LETTERS]:

FOR OFFICE USE ONLY
NIMCET-08 ROLL NO.:
TEST CENTRE ALLOTTED:

Date and Time of Examination: May 18, 2008 (Sunday)
from 10.00 AM to 12.00 Noon.
Time of Reporting at Test Centre: Before 09.30 AM on May 18, 2008.

SIGNATURE OF THE CANDIDATE
ADDRESS SLIPS
(To be filled in by the Candidate)

Name:
Address:

Pin:

Name:
Address:

Pin:

Name:
Address:

Pin:

Name:
Address:

Pin: