



**NIT MCA Common Entrance Test 2009
(NIMCET09)
Motilal Nehru National Institute of Technology
Allahabad**

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 first year of MCA programme offered by all the NITs for the year 2009-10 will be based on the Rank obtained in **NIMCET09 ONLY**.

ELIGIBILITY

Indian Nationals having minimum 60% 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. The SC/ST candidates with minimum 55% marks (6.0/10 CGPA) are eligible. The candidates who are appearing for the qualifying examination are also eligible to appear for NIMCET09. Such candidates shall have to furnish the proof of fulfilling the eligibility criteria of NIMCET09 preferably at the time of Counselling/Admission but not later than 31st July, 2009, failing which, their admission may be cancelled by the respective NITs.

The **State of Eligibility** is the state from where the candidate passed/appeared for graduation.

MODE OF EXAMINATION

The duration of NIMCET09 examination will be for a period of two hours and will consist of 120 multiple choice questions with four choices for each question. Each correctly answered question will carry **FOUR** marks and each wrongly answered question will lead to **NEGATIVE ONE** mark. The candidates have to mark the responses in the OMR sheets at the time of examination. **Candidates have to bring their own HB pencil, eraser and black ball point pen. Calculators,**

mobile phones or any other material shall not be allowed in the examination hall.

LIST OF TEST CENTRES

TEST CENTRES	CENTRE CODES		
NIT Agartala	11	VNIT Nagpur	21
MNNIT Allahabad	12	NIT Patna	22
MANIT Bhopal	13	NIT Raipur	23
NIT Calicut	14	NIT Rourkela	24
NIT Durgapur	15	NIT Silchar	25
NIT Hamirpur	16	NIT Srinagar	26
MNIT Jaipur	17	NIT Surat	27
NIT Jalandhar	18	NITK Surathkal	28
NIT Jamshedpur	19	NIT Tiruchirappalli	29
NIT Kurukshetra	20	NIT Warangal	30
		AIT Delhi	31

(NOTE: This list is tentative. If enough number of candidates do not opt for a centre that centre will be cancelled).

LIST OF PARTICIPATING NITs, SEATS AND CONTACT DETAILS

NIT(s)	Total Seats	Distribution of Seats	Contact Email ID	Website
Agartala	15	All India – 15	deanacademic@rediffmail.com	www.nitagartala.in
Allahabad	60	All India – 60	nimcet09@mnnit.ac.in	www.mnnit.ac.in
Bhopal	60	All India – 60	admission@manit.ac.in	www.manit.ac.in
Calicut	30	All India – 30	pgadmissions@nitc.ac.in	www.nitc.ac.in
Durgapur	60	All India – 60	nimcet_09@nitdgp.ac.in	www.nitdgp.ac.in
Jamshedpur	30	All India – 15 Jharkand – 15	amishra_8@yahoo.com	www.nitjsr.ac.in
Kurukshetra	60	All India – 60	rsibhatia@yahoo.co.in	www.nitkr.ac.in
Raipur	60	All India – 30 Chattisgarh – 30	drdsbal@rediffmail.com	www.nitrr.ac.in
Surathkal	60	All India – 60	macs@nitk.ac.in	www.nitk.ac.in
Tiruchirappalli	60	All India – 30 TN – 30	reddy@nitt.edu	www.nitt.edu
Warangal	30	All India – 30	admit2009@nitw.ac.in	www.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:

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

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 : (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.

ADMISSION METHODOLOGY

A NIMCET09 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 11 participating NITs will be based on NIMCET09 rank as well as their choices to be opted during the counselling/admission process. Details of the counselling process shall be notified on the NIMCET09 web site in due course. The candidates are advised to check the website www.nimcet09.mnnit.ac.in regularly for updates.** The counselling will be held in June 2009. After admission, NITs do not permit transfer from one NIT to another in any circumstances. 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. Such details can be obtained from respective Institute websites, URLs of which are given in the Table of Participating Institutions.

WEB ENABLED ON-LINE APPLICATION FORM

The candidates are required to fill in web enabled on-line application 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 copies of 10+2+3 (Graduation) Marks Sheets/Certificates and a Demand draft as detailed below to**

The Chairman

NIMCET09

Motilal Nehru National Institute of Technology Allahabad

Allahabad-211004 (UP)

so as to reach on or before 6th April, 2009. Applications received after the due date (due to postal delay or any other reasons) will not be considered.

APPLICATION FEE

The Application Fee for the Entrance Examination of the **MCA programme is Rs. 700/- for OPEN/OBC and Rs. 350/- for SC/ST candidates.** Candidates will have to take Demand Draft of appropriate amount depending on their category drawn in favour of “**NIMCET09**”, payable at Allahabad. **Candidates are advised to write their name, address and Mobile/Phone Number on the reverse side of the Demand Draft.**

ADMIT CARD

After scrutiny of applications, Admit Card to those found eligible will be made available on the website, <http://www.nimcet09.mnnit.ac.in>. Applicants will be required to download their Admit Card after login to this website. Admit Cards will not be sent separately. The candidates shall have to produce the Admit Card at the Test Centre, counselling centre and PI at the time of admission.

SCORE CARD

No separate Score Card will be sent to the candidates. The list of candidates called for Counselling/Seat Allotment based on NIMCET09 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 NIMCET09, the decision of Chairman, NIMCET09 will be final.
2. Allotted Test Centre will not be changed in any circumstances.

LEGAL JURISDICTION

All disputes pertaining to the conduct of NIMCET09 and counselling process at any stage up to the final allocation of institutions, the decision of Chairman NIMCET09 shall be final. In case of any legal dispute the jurisdiction will be limited to Allahabad courts only (Lower, District and High Court) and will not be subject to the jurisdiction of any other courts outside Allahabad.

IMPORTANT DATES

Publication of Advertisement in Press and web	Monday, February 23, 2009
Availability of Online Application form	Monday, February 23, 2009
Closing Date of Online Application Form	Friday, March 27, 2009
Last date for receipt of filled in Application form along with requisite DD by post / hand	Friday, April 6, 2009
Availability of Admit card on web for download	Monday, April 13, 2009
Date & Time of Examination	Sunday, May 17, 2009 (10 A.M to 12 Noon)
Date of Publication of Result (Tentative)	Saturday, May 30, 2009
Counselling Dates (Tentative)	Friday to Sunday, June 19 to 21, 2009

CHECK LIST

- (i) Duly filled-in Application Form signed on each page and at the Signature place of the Declaration part.
- (ii) Bank Demand Draft of (a) Rs. 700/- for Open/OBC, or (b) Rs. 350/- for SC/ST
- (iii) Mark Sheets of (a) 10th Class (b) 12th Class and (c) Degree
- (iv) Category Certificate in the prescribed format given in Annexure I and II from the Competent Authority, if applicable. Physically Handicapped Certificate in the prescribed format given in Annexure III from the Competent Authority, if applicable

INSTRUCTIONS TO FILL IN ON-LINE APPLICATION FORM

Please read the following instructions very carefully before you fill in on-line application form:

1. Before you start filling in the online application form, scan (a) your recent passport size photograph (alternatively, get a digital passport size photograph) and (b) your signature and keep these ready for uploading. Separate files should be created for the scanned photograph and signature in appropriate format (Jpeg, Tiff, etc) so that the size of the file does not exceed 33KB and 33 KB, respectively. Further, you should have your bank draft ready to complete the draft information part of the online application form.
2. Use a Java enabled browser (Internet Explorer 6 or above, or Mozilla Firefox).
3. Type the URL www.nimcet09.mnnit.ac.in on your browser to get the home page of NIMCET09.
4. "New Login" tab is shown in the top right corner and in the left pane of the home page. Press any one of them. Type your name (as given in your class 10th or equivalent certificate), email address, login id (choose the login id not less than 5 characters) and password (choose the password not less than 5 characters). The entries made here will be used in subsequent pages. After pressing "Submit" button, except password, you will not be allowed to change other entries.
5. Enter Login Id and Password in the space provided on top of the home page to fill Personal Information, Qualifications and DD details.
6. The fields marked with red star are mandatory, fill all such fields, otherwise, you will not be allowed to save the entered data.
7. Fill in all the fields in Personal Information Form.
8. Upload the photograph and signature by clicking browse in Personal Information and then selecting the corresponding files.
9. Fill in all the three choices of examination centres in order of priority using drag down menu.

(A listed centre may be cancelled, if suitable number of candidates do not opt for it.)

10. Complete all other fields and press the “Save” button given at the end of the page. To save the entered data, it is essential to press “Save” button on each page.
11. On pressing “Save”, Educational Qualification Form will appear.
12. Complete all the fields as required and press save button given at the bottom of the page.
13. Complete all the required details of the bank draft on next page and then press “Save” button at the bottom of the page.
14. Press “View” to view entered data, then print the application using “print” button if corrections are not required.
15. Please remember that you cannot change the entries once it has been submitted. So be careful while pressing the “Submit and Exit” button.
16. An Application Number will be generated that will be displayed on right top of Page 1 of the application form when you re login after pressing the "Submit" button. Please note that number for future reference.
17. Sign the hard copy (printout on A4 size paper of the page displayed on your computer screen after step 16) at the bottom of each page and at Declaration of your application form and attach all the documents as listed in the check list given in this Information Brochure. The completed application form should be sent to

**The Chairman, NIMCET09,
Motilal Nehru National Institute of Technology Allahabad
Allahabad-211004 UP**

by post so as to reach on or before Monday, 6th April 2009. The application form can also be submitted in the office of NIMCET09 at MNNIT Allahabad by hand on all working days from 10.00AM to 5.00PM.

NOTE:

1. If the dully signed hard copy of the application form along with the original Demand draft and other documents is not received by the office of NIMCET09 on or before Monday 6th April 2009 the application will be rejected.
2. Please check carefully the eligibility requirement of NIMCET09 in the Information Brochure. If the requirements are not met the application will be rejected.
3. OBC candidates will have to satisfy both the caste and creamy layer requirements detailed on the following National Commission for Backward Classes (NCBC) websites:
 - (i) <http://ncbc.nic.in/backward-classes/index.html>
 - (ii) <http://ncbc.nic.in/html/creamyayer.html>OBC certificates issued on the state government proforma will be accepted only for State Quota Seats. Proforma for OBC certificate along with the undertaking given in Annexure I is to be submitted.
4. SC/ST and Physically challenged candidates should use the respective proforma given in Annexure II and III.

Contact Details:

For further details/clarifications please contact at the following address:

Chairman

NIMCET09

Motilal Nehru National Institute of Technology Allahabad

Allahabad 211004 (UP)

Phone: 0532-2545284

Fax : 0532-2545285

Website: <http://www.nimcet09.mnnit.ac.in>

Email : nimcet09@mnnit.ac.in; nimcet09chairman@mnnit.ac.in

Annexure I

Proforma for Other Backward Class (OBC) Certificate

**(CERTIFICATE TO BE PRODUCED BY OTHER BACKWARD CLASSES APPLYING FOR ADMISSION TO
CENTRAL EDUCATIONAL INSTITUTIONS (CEIs), UNDER THE GOVERNMENT OF INDIA)**

This is to certify that Shri / Smt. / Kum. _____ Son / Daughter of Shri /
Smt. _____ of Village / Town _____ District /
Division _____ in the _____ State belongs to the
_____ Community which is recognized as a backward class under:

- (i) Resolution No. 12011/68/93-BCC(C) dated 10/09/93 published in the Gazette of India Extraordinary Part I Section I No. 186 dated 13/09/93.
- (ii) Resolution No. 12011/9/94-BCC dated 19/10/94 published in the Gazette of India Extraordinary Part I Section I No. 163 dated 20/10/94.
- (iii) Resolution No. 12011/7/95-BCC dated 24/05/95 published in the Gazette of India Extraordinary Part I Section I No. 88 dated 25/05/95.
- (iv) Resolution No. 12011/96/94-BCC dated 9/03/96.
- (v) Resolution No. 12011/44/96-BCC dated 6/12/96 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 11/12/96.
- (vi) Resolution No. 12011/13/97-BCC dated 03/12/97.
- (vii) Resolution No. 12011/99/94-BCC dated 11/12/97.
- (viii) Resolution No. 12011/68/98-BCC dated 27/10/99.
- (ix) Resolution No. 12011/88/98-BCC dated 6/12/99 published in the Gazette of India Extraordinary Part I Section I No. 270 dated 06/12/99.
- (x) Resolution No. 12011/36/99-BCC dated 04/04/2000 published in the Gazette of India Extraordinary Part I Section I No. 71 dated 04/04/2000.
- (xi) Resolution No. 12011/44/99-BCC dated 21/09/2000 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 21/09/2000.
- (xii) Resolution No. 12015/9/2000-BCC dated 06/09/2001.
- (xiii) Resolution No. 12011/1/2001-BCC dated 19/06/2003.
- (xiv) Resolution No. 12011/4/2002-BCC dated 13/01/2004.
- (xv) Resolution No. 12011/9/2004-BCC dated 16/01/2006 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 16/01/2006.

Shri / Smt. / Kum. _____ and / or his family ordinarily reside(s) in the
_____ District / Division of _____ State. This is also to certify
that he / she does not belong to the persons / sections (Creamy Layer) mentioned in Column 3 of the Schedule to the
Government of India, Department of Personnel & Training O.M. No. 36012/22/93-Estt. (SCT) dated 08/09/93 which is
modified vide OM No. 36033/3/2004 Estt.(Res.) dated 09/03/2004 or the latest notification of the Government of India.

Dated:

District Magistrate/ Competent Authority

Seal

NOTE:

- (a) The term 'Ordinarily' used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.
- (b) The authorities competent to issue Caste Certificates are indicated below:
 - (i) District Magistrate / Additional Magistrate / Collector / Deputy Commissioner / Additional Deputy Commissioner / Deputy Collector / Ist Class Stipendiary Magistrate / Sub-Divisional magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner (not below the rank of Ist Class Stipendiary Magistrate).
 - (ii) Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate.
 - (iii) Revenue Officer not below the rank of Tehsildar.
 - (iv) Sub-Divisional Officer of the area where the candidate and / or his family resides.
- (c) The annual income / status of the parents of the applicant should be based on financial year ending March 31, 2009.

Declaration/undertaking - for OBC Candidates only

I, _____ son / daughter of Shri _____ resident of village/town/city _____ district _____ State hereby declare that I belong to the _____ community which is recognized as a backward class by the Government of India for the purpose of reservation for admission in Central Government Institutions as per orders contained in Department of Personnel and Training Office Memorandum No. 36012/22/93- Estt. (SCT), dated 8/9/1993. It is also declared that I do not belong to persons/sections (Creamy Layer) mentioned in Column 3 of the Schedule to the above referred Office Memorandum, dated 8/9/1993, which is modified vide Department of Personnel and Training Office Memorandum No. 36033/3/2004 Estt. (Res.) dated 9/3/2004 or the latest notification of the Government of India.

I also declare that the condition of status / annual income for creamy layer of my parents / guardian is within prescribed limits as on financial year ending on March 31, 2009.

Place:

Signature of the Candidate

Date:

Declaration / undertaking not signed by Candidate will be rejected.

Annexure II

Proforma for Scheduled Caste (SC) / Scheduled Tribe (ST) Certificate

This is to certify that Mr. / Ms _____ Son/Daughter
of _____ belongs to Scheduled Caste / Scheduled Tribe category and is resident of village /
city _____ State _____ His / her caste is _____ and is notified as Schedule
Caste / Schedule Tribe by Government of India Act 1956 (Amended).

Candidate's Signature

Place:

Date:

Signature:

Name:

Designation*

Seal

Place

Date:

*** Tehsildar / ADM or Designated Authority**

Annexure III

Proforma for Physically Challenged (PH) Certificate

Affix here recent
Photograph showing the
disability duly attested by
CMO of the District/Civil
Surgeon

This is to certify that I have examined Mr. / Ms _____ son/daughter of
_____ He / She has _____ (name
of physical disability) which comes under the following type of disorder

1. Orthopedic disorder:
2. Vision
3. Speech and Hearing impaired

The percentage of disorder is _____percentage.

Signature of candidate
Date
Place

Signature of CMO of the District / Civil Surgeon
Name

Seal

Place:
Date:

Note:

1. For physically challenged category a minimum of 40% disability is required subject to the condition that the candidate is capable of carrying out all activities related to theory and practical work as applicable to MCA courses without any special concessions and exemptions.
2. Certificate issued on or after January 1, 2009 will only be accepted.
3. NIMCET09 reserves the right to accept/reject the claim of the candidate.