IIT-JEE 2012

Mandi

Ropar

Roorkee

Jodhpur

Delhi

Kanpur

Patna

Guwahati

Gandhinagar

Indore

Kharagpur

Mumbai

Bhubaneswar

Hyderabad

Chennai

INFORMATION BROCHURE

IMPORTANT NOTES

Candidates for IIT-JEE 2012 have the option to apply either Offline or Online.

- Please ensure that you are using the correct Offline Application Form:
  (a) Form priced ₹ 200/- (in pink color envelope) for all Female candidates,
  (b) Form priced ₹ 1000/- (in light blue color envelope) for SC/ST/PD male candidates,
  (c) Form priced ₹ 1800/- (in grey color envelope) for general/OBC male candidates.

- The fee for Online application is ₹ 1600/- for General/OBC male candidates, ₹ 800 for SC/ST/PD male candidates and NIL for all female candidates. For Online registration visit IIT-JEE 2012 websites (APPENDIX-7).

- All candidates who wish to appear for IIT-JEE 2012 in Dubai city must apply Online with a fee of US$ 200.

Please go through the following general information for filling and submitting the Offline Application Form.

1. Ensure that you fulfill all eligibility criteria given in Section 3.

2. Submit only one Application Form. The name in the Application Form MUST BE the same as that in the bank challan. The completed Application Form must reach the zonal IIT on or before 15 December 2011.

3. Your application must be complete in all respects. Incomplete Application Forms are liable to be rejected.

4. Application Forms will be machine processed. The machine will read only fully darkened bubbles. Please see the Application Form for correct method of filling bubbles. Also, please go through Section 6.4 for detailed instructions for filling the Application Form.

5. Options once selected in the Application Form cannot be changed at a later stage.

6. Completed Application Form with all enclosures must be sent only by Registered Post / Speed Post to the Chairman, JEE of the zone to which the examination cities of your choice belong. For further details see Section 7.

7. All correspondence should be addressed to the zonal IIT. The Application Form number must be mentioned in all such correspondence. Therefore, it is essential to note down the Application Form number printed near the barcode.

8. You may check the status of your application through SMS and on the IIT-JEE 2012 website/IVRS of your zonal IIT. No acknowledgement card will be sent to you.

9. The application fee is non-refundable.

Note: The Courts at Delhi alone shall have the jurisdiction to settle and decide all matters and disputes related to IIT-JEE 2012 as IIT Delhi is the Organizing Institute.

CONTENTS

1. INTRODUCTION

The Indian Institutes of Technology (popularly known as IITs) are institutions of national importance established through an Act of Parliament for fostering excellence in education. There are fifteen IITs at present, located at Bhubaneswar, Chennai, Delhi, Gandhinagar, Guwahati, Hyderabad, Indore, Jodhpur, Kanpur, Kharagpur, Mandi, Mumbai, Patna, Ropar and Roorkee. Over the years IITs have created world class educational platforms and dynamically sustained them through internationally recognized research based on excellent infrastructural facilities. The faculty and alumni of IITs continue to make huge impact in all sectors of society, both in India and abroad. Institute of Technology - Banaras Hindu University (IT-BHU) Varanasi and Indian School of Mines (ISM) Dhanbad, are amongst the oldest institutions in India and are known for their immense contributions towards society at large and for science and technology in particular.

The primary objectives of these institutions are to:

- build a solid foundation of scientific and technical knowledge and thus to prepare competent and motivated engineers and scientists
- create environment for freedom of thought, cultivate vision, encourage growth, develop personality and self-discipline for pursuit of excellence
- kindle entrepreneurial streak in the students

All of the above help to prepare the students admitted to these institutions for successful professional and social lives. Today, alumni of these institutions occupy key positions in industry and academia, in India and abroad.

Each institute has well-equipped modern laboratories, state-of-the-art computer network and well-stocked technical library. Teaching methods rely on direct personal contact between the teachers and the students, and the use of traditional and modern instructional techniques. Students live in a pleasant and intellectually stimulating environment with people having similar goals and aspirations, which is an exciting and unique experience.

These institutions offer courses leading to Bachelor's degree in a number of engineering, technological and scientific disciplines. Integrated M.Sc. courses in pure and applied sciences and Integrated M.Tech. courses in a few disciplines are also offered by some of these Institutions. In addition, some IITs offer Dual-Degree M.Tech. programmes, wherein both B.Tech. and M.Tech. degrees are awarded.

Credit-based academic programmes offer flexibility to students to progress at their own pace. A minimum level of performance is necessary for satisfactory progress. The medium of instruction is English.

Admission to the Undergraduate Programmes at these institutions for all Indian and Foreign nationals is made through a Joint Entrance Examination, IIT-JEE (formerly known as JEE).

2. ABOUT IIT-JEE 2012

IIT-JEE is jointly conducted by IIT Bombay, IIT Delhi, IIT Guwahati, IIT Kanpur, IIT Kharagpur, IIT Madras and IIT Roorkee. These institutes are referred to as the zonal IITs in this document.

The details of the pattern and the date of examination, eligibility criterion and the application process are outlined here:

2.1 Schedule of IIT-JEE 2012

The examination will be held on Sunday, April 8, 2012 as per the schedule given below:
Paper 1:   09.00   to 12.00 hrs (IST)
Paper 2:   14.00   to 17.00 hrs (IST)

The schedule will remain unaltered even if the above day is declared a public holiday.

2.2 Type of Examination

There will be two question papers, each of three hours duration. Each of the question papers will consist of separate sections on Physics, Chemistry and Mathematics. The detailed syllabi are given in **APPENDIX-1**. The questions will be of objective type, designed to test comprehension, reasoning and analytical ability of candidates. In some sections, incorrect answers may be awarded negative marks.

The answers for each of the questions are to be marked on a separate, 2-part carbonless paper. Candidates must not separate or disturb the alignment of the top and bottom parts at any

stage during the examination. The top part is specially designed machine-gradable sheet of paper (ORS-Optical Response Sheet). While answering each of the questions the candidate is expected to darken the bubble(s) against correct answer(s) only on the top sheet using black ball point pen. The darkening should be done in such a manner that the impression is created on the bottom part. The responses recorded on the top part only will be taken as final. The candidate can take away the bottom part with the permission of the invigilator(s).

2.3 Choice of Language of Question Papers

A candidate can opt for question papers either in English or in Hindi. This option should be exercised while filling the Application Form and it cannot be changed at a later stage.

2.4 Availability of Question Papers Printed in Larger Font

Candidate with physical disability and having poor vision can ask for question papers printed in larger font. They must send a request letter addressed to the Chairman, JEE of the zonal IIT concerned along with the Application Form. The format of the letter is given in **APPENDIX-2**.

A blind candidate can request for the services of amanuensis (Scribe). For this, the candidate must submit a separate request letter and a copy of the PD certificate. A blind candidate may be exempted from answering questions having figures.

2.5 Cities/Towns of IIT-JEE 2012 Examination Centres

IIT-JEE 2012 will be conducted in major cities and towns of India as well as in Dubai. The list is given in **APPENDIX-3**. While applying, candidates should select two towns/cities in the same zone. All correspondence should be addressed to that particular zonal IIT.

Efforts will be made to allot candidates' first or second choice. However, in some exceptional circumstances, a different city in the same zone may be allotted.

2.6 Request for Change of Examination City/Town

Requests for a change of centre within a city will not be entertained. Under exceptional circumstances, a change of examination city within the zone or outside the zone may be permitted. For this the candidate should send a request letter to the zonal IIT from where he/she received the Admit Card. The request letter should clearly indicate the Registration Number with valid reason(s) for the change and should be received on or **before March 28, 2012** along with a demand draft for ₹1000 drawn in favour of "Chairman, JEE" of the zonal IIT. In this regard, the decision of the Chairman JEE will be final.

2.7 Use of Calculator and Communication Aids

Use of electronic devices like mobile phone, calculator, iPod, etc. is **NOT PERMITTED** in IIT-JEE 2012. Also materials like log table, book, notebook, etc. should NOT be brought into the examination hall.

3. ELIGIBILITY FOR IIT-JEE 2012

Candidates must make sure that they satisfy all the eligibility conditions given below for appearing in IIT-JEE 2012:

3.1 Date of Birth

General (GE) and Other Backward Classes (OBC) category candidates must have been born on or after October 01, 1987. Those born earlier are not eligible to appear in IIT-JEE 2012.

Candidates belonging to Scheduled Castes (SC), Scheduled Tribes (ST), and those with Physical Disability (PD) must have been born on or after October 01, 1982. SC/ST/PD candidates born before October 01, 1982 are not eligible to appear in IIT-JEE 2012.

The date of birth as recorded in the High School/ First Board/Pre-University certificate will be accepted. If the certificate does not mention the date of birth, a candidate must submit along with the application, an authenticated document indicating the date of birth.

3.2 Year of Passing Qualifying Examination (QE)

To appear in IIT-JEE 2012, a candidate must have either passed the QE for the first time, on or after October 01, 2010 or should be appearing for the first time in 2012. Those who are going to appear in the QE later than September 30, 2012

are not eligible to appear in IIT-JEE 2012.

The year of passing the QE will be determined based on the examination he/she has passed the earliest out of the qualifying examinations listed below. In case the applicant has passed more than one QE or attempted successfully the same QE more than once, the year of the first successful QE attempt will be used to determine the eligibility for IIT-JEE 2012.

The qualifying examinations are listed below:

i) The final examination of the 10+2 system, conducted by any recognized central/ state Board, such as Central Board of Secondary Education, New Delhi; Council for the Indian School Certificate Examinations, New Delhi; etc.

ii) Intermediate or two-year Pre-University examination conducted by a recognized Board/ University.

iii) Final examination of the two-year course of the Joint Services Wing of the National Defence Academy.

iv) General Certificate Education (GCE) examination (London / Cambridge / Sri Lanka) at the Advanced (A) level.

v) High School Certificate Examination of the Cambridge University or International Baccalaureate Diploma of the International Baccalaureate Office, Geneva.

vi) H.S.C. vocational examination.

vii) Senior Secondary School Examination conducted by the National Institute of Open Schooling with a minimum of five subjects.

viii) A Diploma recognized by AICTE or a state board of technical education of at least 3 year duration.

ix) Any Public School/ Board/ University examination in India or in any foreign country recognized as equivalent to the 10+2 system by the Association of Indian Universities (AIU).

In case the relevant QE is not a public examination, the candidate must have passed at least one public (Board or Pre-University) examination at an earlier level.

3.3 Minimum Percentage of Marks in QE

Candidates belonging to GE and OBC categories must secure at least 60% marks in aggregate in QE. SC, ST and PD candidates must secure at least 55% marks in aggregate in QE.

The percentage of marks awarded by the Board will be treated as final. If the Board does not award the percentage of marks, it will be calculated based on the marks obtained in all subjects listed in the mark sheet. If any Board awards only letter grades without providing an equivalent percentage of marks on the grade sheet, the candidate should obtain a certificate from the Board specifying the equivalent marks, and submit it at the time of counselling/ admission. In case such a certificate is not provided the decision taken by the Joint Implementation Committee (JIC) of IIT-JEE 2012 will be final.

3.4 Number of JEE Attempts

A candidate can attempt JEE a maximum of two times in consecutive years irrespective of whether or not he/she passed QE. Those who have attempted JEE in 2010 or earlier are NOT ELIGIBLE to appear in IIT-JEE 2012.

3.5 Earlier Admission Taken Through JEE

Candidates who have taken admission (irrespective of whether or not they continued in any of the programmes) or accepted the admission by paying the registration fee at any of the IITs, IT-BHU Varanasi or ISM Dhanbad, are NOT ELIGIBLE to appear in IIT-JEE 2012.

3.6 Important Points

(i) The offer of admission is subject to verifiction of original certificates/ documents at the time of admission. If any candidate is found ineligible at a later date even after admission to an Institute, his/her admission will be cancelled.

(ii) If a candidate is expecting the results of the QE in 2012, his/her admission will only be provisional until he/she submits the relevant documents. The admission stands cancelled if the documents are not submitted in original to the concerned Institute on or before September 30, 2012.
If a Board invariably declares the results of the QE after September 30, every year, the candidate is advised not to attempt IIT-JEE 2012.

(iii) The decision of the Joint Admission Board of IIT-JEE 2012 regarding the eligibility/ admission of any applicant shall be final.

4. RESERVATION OF SEATS

As per Government of India rules candidates

belonging to certain categories are admitted to seats reserved for them based on relaxed criteria. These categories are:

- Other Backward Classes (OBC) if they belong to Non-Creamy Layer (NCL)
- Scheduled Castes (SC)
- Scheduled Tribes (ST)
- Persons with Physical Disability (PD)

Benefit of reservation shall be given only to those classes/castes/tribes which are in the respective central list published by the Government of India.

4.1 OBC Candidates

For the purpose of reservation of seats in IIT-JEE 2012, a candidate will be considered as OBC only if he/she belongs to the non-creamy layer of this category. Those belonging to the creamy layer of OBC are NOT entitled for reservation.

For candidates belonging to OBC (non-creamy layer), 27% of the seats are reserved in all IITs, IT-BHU Varanasi and ISM Dhanbad.

In case the reserved seats in this category are not filled, they can be filled by GE category candidates.

The OBC candidates (non-creamy layer) will be required to produce original OBC (NCL) certificate issued on or after January 01, 2012 by a competent authority in the prescribed format **(APPENDIX-4)** at the time of admission.

Certificates in any other format will not be accepted. Attested copies of these certificates must be received by the respective zonal IITs on or before June 01, 2012, failing which they will NOT be considered for admission to the respective reserved seats.

4.2 SC/ST Candidates

For the SC and ST categories, 15% and 7.5% seats, respectively, are reserved in every programme in all IITs, IT-BHU Varanasi and ISM Dhanbad. Candidates belonging to these categories are declared qualified on the basis of a relaxed criterion.

Candidate belonging to SC/ST categories will be required to produce the original caste/ tribe certificate issued by a competent authority in the prescribed format **(APPENDIX-5)** at the time of

admission. Certificates in any other format will not be accepted. Attested copies of these certificates must be received by respective zonal IITs on or before June 01, 2012, failing which they will NOT be considered for admission to the respective reserved seats. Seats remaining vacant in these categories shall not be filled by candidates belonging to any other category.

4.3 Persons with Physical Disability (PD)

In each institute 3% of seats in every category are reserved for PD candidates. For any category of disability (viz., locomotor, visual, dyslexia, speech, and/or hearing) benefit would be given to those who have at least 40% physical impairment. Leprosy-cured candidates who are otherwise fit to pursue the course are also included in this category. Candidates belonging to this category are qualified on the basis of a relaxed criterion.

The percentage of disability of the candidates will be certified by a medical board constituted by IITs. The decision of the medical board would be final.

4.4 Preparatory Course

In case the seats reserved for SC/ST/PD candidates are not filled, a limited number of candidates are admitted to a Preparatory Course of one-year duration on the basis of a further relaxation of admission criteria. Admission is given to the candidates in the Preparatory Course provided (a) the seats reserved for the respective category are vacant (b) candidates satisfy minimum norms, and (c) candidates have not undergone the Preparatory Course earlier. On successful completion of the course, the students will be offered direct admission to the undergraduate programmes in July/August 2013, against the unfilled reserved seats for IIT-JEE 2012.

5. PREFERENTIAL ALLOTMENT OF SEATS FOR DS CANDIDATES

Two seats are available for preferential allotment in each Institute for children of defence/paramilitary personnel killed or permanently disabled in action during war or peacetime operations (DS).

Such candidates should submit a copy of the relevant certificate issued by a competent

authority in the Directorate of Resettlement and Rehabilitation, New Delhi under the Ministry of Defence, Govt. of India or in the Ministry of Home Affairs, Govt. of India, as applicable, along with the application. To avail this preferential allotment, he/she must obtain a rank in the Common Merit List and should produce the attested copy of certificate at the time of counselling.

6. HOW TO APPLY FOR IIT-JEE 2012

Candidates are advised to read the eligibility criteria (*Section 3*) carefully. A candidate can apply for IIT-JEE 2012 either "Online" or "Offline". The cost of application, including the processing charges of ₹ 200 in case of Offline mode application, is given in the following table:

Applicant's Category (Gender)	Online	Offline
GE/OBC (male)	₹ 1600	₹ 1800
SC/ST/PD (male)	₹ 800	₹ 1000
All Categories (female)	Nil	₹ 200
Candidates opting for Dubai city	US$ 200	Not available

Note: The applicants must note that after submission of the Application Form it cannot be withdrawn. Claims for refund of application fee will not be entertained.

6.1 Applying Online

Candidates can apply Online if they have access to a computer, a laser printer and Internet by logging on to IIT-JEE 2012 website. The site has been designed in a 'user friendly' way to help candidates for applying Online in a step-by-step fashion. Online application portal will remain open from 10:00 AM (IST) on October 31, 2011 till 5:00 PM (IST) on December 10, 2011.

Candidates can make payment for Online application only through challan of designated banks. Candidates opting for Dubai as examination city must apply Online by paying the application fee (US$ 200) through demand drafts drawn in favour of Chairman, JEE, IIT Delhi.

6.2 Instructions for Applying Online

- Log-on to IIT-JEE 2012 Website (given in **APPENDIX-7**).
- Follow the instructions given on the IIT-JEE 2012 websites carefully for filling Online Application Form.

- Candidates should paste the address slip printed along with Application Form on the envelope for mailing the application to Zonal IIT. The printed Application Form signed by the candidate and parent / guardian along with the necessary certificate(s) and the photograph, pasted at the appropriate place, should reach the JEE office of the respective zonal IITs before 5:00 PM (IST) on December 15, 2011.
- No written acknowledgement will be given for the receipt of the application. However, the candidate can verify application status on IIT-JEE 2012 website after a week of submission. If you see any discrepancy, call us or email us using the details given in the **APPENDIX-7**.

6.3 Applying Offline

Sale of Offline Optical Machine Readable (OMR) Application Form and Information Brochure will start at 10:00 AM (IST) on November 11, 2011 and close at the end of the banking hours on December 05, 2011. The application material can be obtained from any of the designated bank branches during the banking hours. Refer to **APPENDIX-6** for the complete list of bank branches.

Please ensure that you are using the correct Application Form. Offline Application Form prices (including processing charges of ₹200) are:
(a) ₹200 (in *pink* color envelope) for female candidates only,
(b) ₹1000 (in *light blue* color envelope) for male SC/ST/PD candidates, and
(c) ₹1800 (in *grey* color envelope) for male GE/OBC candidates.

Candidates wishing to appear in IIT-JEE 2012 in Dubai city must apply online with application fee of US$ 200.

6.4. Instructions for Filling OMR Application Form

i) The Application Form is in Optical Machine Readable (OMR) format. That means a special machine reads only the dark bubbles that you make on the OMR sheet.
ii) Do not scribble, smudge, cut, tear, or wrinkle the Application Form. Do not put any stray marks or whitener anywhere on the Application Form. Do not write or place any mark over the barcodes.
iii) Use only black ball point pen for filling the OMR Application Form. Do not use gel/ink/felt pen as it might smudge the form.

iv) Since it is not possible to erase and correct pen-filled bubble, you are advised to be extremely careful. To guide you on how to fill the form correctly, we suggest the following:

    a) Take a photocopy of both sides of the blank OMR sheet and try to fill them first. After making sure that the entries in this form are correct, you can start filling-in the original OMR and bubble the corresponding entries in the sheet, so that you may avoid errors while filling it. You should only send the filled original OMR form. DO NOT send the photocopies.

    b) A sample filled OMR Application Form is given in **APPENDIX-9** showing how the Application Form will appear after bubbling correctly.

v) If there is any discrepancy between the written data and the bubbled data in your application, the bubbled data will be taken as final.

vi) Your application must be complete in all respects. You should fill all the fields. Incomplete Application Form may be rejected.

Step-by-step instructions to fill the OMR Application Form are given below.

S.No. 1: NAME OF THE CANDIDATE AS IN THE 10th CLASS CERTIFICATE

Write your name in capital letters as given in your 10th class certificate or equivalent. Write each single letter in each of the boxes one by one. Leave only one blank box between consecutive words of your name.

Do not use any dots in between initials. If your name has several initials, leave one blank after each of them. Darken the appropriate alphabet bubble underneath each letter of your name. For a blank space, do not darken any bubble in that column. If your name requires more than 34 boxes, then write + in 35th box and darken the bubble marked '+' below it.

S.No. 2: CATEGORY

The codes for different categories are as follows.

Category	Code
General	GE
Other Backward Classes (Non-Creamy Layer)	OBC(NCL)
Scheduled Castes	SC
Scheduled Tribes	ST

Darken the appropriate bubble against the category you belong.

Note: All OBC applicants must read carefully *Section 4.1* and the possible scenarios given below:

(a) If an applicant belongs to OBC (Creamy Layer) at the time of submitting the Application Form and he/she is sure that the category status will remain as OBC (Creamy Layer) up to June 01, 2012, then he/she may darken the bubble corresponding to GE.

(b) If an applicant belongs to OBC (Creamy Layer) at the time of submitting the Application Form and he/she anticipates category change from "Creamy Layer" to "Non-Creamy Layer" any time on or before June 01, 2012, then he/she is advised to darken the bubble corresponding to OBC(NCL).

(c) All OBC(NCL) applicants may darken the bubble corresponding to OBC (NCL).

S.No. 3: NATIONALITY

If you are an Indian citizen then darken the bubble against "INDIAN". If you are a foreign passport holder or have either Person of Indian Origin (PIO) or Overseas Citizen of India (OCI) status then darken the bubble against "FOREIGN".

S.No. 4: GENDER

Darken the appropriate bubble.

S.No. 5: ENTITLED FOR DS SEAT

If you belong to the DS category (refer to *Section 5*), then darken the bubble marked "YES", else bubble "NO". Please enclose an attested copy of the DS certificate.

S.No. 6: PHYSICALLY DISABLED

If you are a person with physical disability (refer to *Section 4.3*), then darken the bubble against 'YES'. Otherwise you must fill the bubble corresponding to 'NO'. Please enclose a copy of the Physically Disabled certificate.

S.No.7: VISUALLY IMPAIRED AND REQUIRE ENLARGED FONT QUESTION PAPERS

If you are visually impaired and unable to read question papers printed in normal size font even with corrective spectacles/lenses and require