

**Procedure for implementation of the Joint Entrance Examination**

The Joint Entrance Examination for admission to undergraduate programmes in engineering would be conducted in two parts, JEE-MAIN and JEE-ADVANCE to be held on the same day. The first MAIN paper – usually scheduled in the morning hours – will be an examination of 180 minutes. The main objective of the first paper will be test the foundational understanding of the candidate in Physics, Chemistry and Mathematics as learnt in the 10+2 years. The second paper ADVANCE in the afternoon will also be a paper of 180 minutes duration. It will have the same syllabus as the MAIN paper. The questions will test the problem-solving abilities of students besides the skills of problem formulation and incisive thinking. The syllabus for the MAIN and ADVANCE test will, however, be the same and this common syllabus will be prescribed by the Academic Group of the JEE each year.

2. The School Board marks normalized on percentile basis plus the marks obtained in the JEE-MAIN examination, with equal weightage, would be used by IITs for purposes of gating/screening. Only a fixed number of candidates (five times the number of the seats for admission in the IIT system) screened on the basis of merit assessed on the basis of cumulative score of normalized School Board marks and performance in JEE-MAIN examination would be eligible to be considered for admission.

3. **Language of the Question Papers**

Candidates can opt for question papers either in English or in Hindi .The option has to be exercised while filling Application Form. It cannot be changed later. However, those candidates who will opt question paper medium as Hindi, Bilingual question papers both in Hindi & English will be provided to them for offline testing. The examination shall also be conducted in a State's language, if the State participates in JEE, in respect of the

candidates who are bonafide residents of that state (pursuing/ pursued class XII or equivalent class from that State) and have opted for the State language.

4. **Eligibility Criteria :** The minimum academic qualification for appearing in JEE 2013 is that the candidate must have passed in final examination of 10+2 (Class XII) or its equivalent referred to as the qualifying examination Those appearing in 10+2 (Class XII) final or equivalent examination in 2013 may also appear in JEE 2013 provisionally.

5. **Board Marks -** The JEE result will specify the Board Marks. The percentile rank of a student in the Board, he or she appears in, will be the marks out of hundred for the Board marks component. The rank should be given up to 9 decimal places to enable tie breaking. The formula to be used for the percentile rank is to be

$$(c_l + 0.5 f_i) / N * 100$$

where  $c_l$  is the count of all scores less than the score of interest,  $f_i$  is the frequency of the score of interest (the number of students with the same score), and  $N$  is the number of examinees in the sample.

The percentile rank of students are to be based on the scores obtained from adding the marks obtained in the Board examination in the following subjects: a) Physics, b) Chemistry, c) Mathematics, d) one language subject, e) best subject among the electives taken by the student.

6. **Application Forms –** Candidates will submit common application form for a) taking the JEE and b) for admission to the participating CFTIs and other institutions. Application will result in allotment of a reference JEE number. After obtaining this number, a candidate has to apply for counseling/admission in specific participating CFTIs/ other participating technical institutions quoting this number. This will enable the linkage between applications.

7. **Ranking for IITs** - The ranking for admission to undergraduate programmes in IITs would be based entirely on the performance in the JEE-ADVANCED examination from amongst the candidates screened through the process outlined in para 2 above.

8. **CFTI Rank Assignment** - In addition to the marks in the three components, a CFTI Rank will also be provided to each candidate. The rank will be determined by using the following weightages: Board marks – 40%, Main Test – 30%, Advance Test – 30%. The tie of marks, if any, amongst the candidates would be resolved through an appropriate rule framed in this regard.

9. **Other Participating Institutions** – It would be open to the States and other participating institutions to use the results of JEE and to adopt the same pattern of admission, with appropriate weightage for State Board results, normalized on the basis of percentile formula, which would not be less than 40% (and could go even up to 100%) and the JEE scores for the Main Test. (The Advance Test score could also be added if the Institute so wishes like the CFTIs ). The medium of question paper will also be as per the participating State's request, in addition to Hindi & English.

10. **JEE Apex Board (JAB):** In order to conduct the examination of a large number of students in an efficient manner, an apex body called JEE Apex Board will be constituted, comprising of representative Directors of IITs, NITs, a Director of IIIT, Chairpersons of UGC, AICTE and CBSE and a nominee of MHRD, after due notification by the Ministry of HRD after the adoption of the same by the Councils of IITs, NITs and competent authorities of other CFTIs. The Board will have an eminent academician as Honorary Chairperson and a full time Executive Director who will be responsible for smooth conduct of the JEE. This Board would act as a permanent secretariat which will coordinate the activities of the JEE Academic Group, JEE Delivery Group and JEE Interface Group which would be constituted every year by the JAB. The JAB will have the final authority for setting up the policies, rules, regulations of conducting the JEE. It is proposed that the permanent secretariat to the JAB will be provided by the CBSE by using the existing infrastructure/ manpower of the AIEEE with a small number of post

creations, as per the need. This secretariat will be responsible for serving the JAB as well as other Groups created for the purpose. This will also be responsible for Administration, Finance, Court Cases, RTI, etc.

11. **JEE Academic Group:** The activities of paper setting of MAIN and ADVANCE for JEE 2013 are academic exercises. Hence, a group of specialists primarily from the IITs headed by Convener (Academic) will be constituted. This group is called JEE Academic Group (JAG). The Group will have two sub-groups – one for MAIN and the other for ADVANCE.

12. **JEE Delivery Group:** The delivery processes such as collection of application forms, collection of fees, coordination with zonal offices, delivery of test papers etc will be the responsibility of JEE Delivery Group (JDG). It will be headed by Convener (Examination).

13. **JEE Interface Group:** The coordination with school boards, the handling of several legal issues, ensuring strict security of the organization and evaluating the school board performance of students in a normalized manner shall be handled by a group – JEE Interface Group (JIG). The implementation of arriving at the normalized school performance shall be coordinated by JEE Interface Group. It will be headed by Convener (Interface).

14. The detailed Terms of Reference and composition of the JAB, JEE Academic Group, JEE Delivery Group and JEE Interface Group would be notified by the Ministry of Human Resource Development.

15. The JEE test will be conducted at least twice in a year so that students who wish to attempt more than once can be allowed to do so in a year. The first JEE will be held in April, 2013 and the second JEE examination will be held in November/December, 2013. The third JEE will be held in April, 2014.