

Normalization of XII marks for merit list of JEE (Main)

May 7, 2013, 07:54PM IST

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The JEE (Main) results, which were announced on Tuesday, will be used for two purposes.

The result will be used to decide the eligibility of a student to appear in JEE (Advanced). 1.5 lakh candidates, proportionately from all the categories, namely, general, OBC, SC, ST, etc, would be selected in a straightforward manner based on the results.

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The second use of this result would be to determine a place (rank) of students in the merit list.

This is prepared based on the JEE (Main) and Standard XII results by a weighted formula, as illustrated below.

The merit list for admissions to NITs and many other engineering colleges is based on the following 3 factors:

(a) 0.6 multiplied by the marks obtained in JEE (Main), (b) 20% weightage of the percentile of a student calculated from his XII Board marks, and (c) 20% weightage of the percentile of a student calculated among the candidates who appeared in JEE (Main) 2013 from the Board of the candidate. This will give the relative standing of the candidate among the total candidates who appeared in JEE (Main).

A percentile score simply gives the position of a candidate among all the students who appeared in the examination. For example, 90 percentile means that 90% of the students are placed below him, or alternatively $100 - 90 = 10\%$ students are above him.

Since the last two scores are percentile scores, they need to be rescaled to the JEE (Main) marks for additions of the similar units in the above three components.

Therefore, after getting the percentile of a candidate in the above two cases (b) and (c), one has to find the corresponding JEE (Main) scores for calculating the final score.

XII Marks & Percentile Marks in JEE (Main) (X) Weight (Y) Weighted sum

X * Y JEE Score 200 0.6 120 XII Result (based on 5 subjects) Marks 400 Percentile 90 Look at 90 percentile of JEE Total List, say 240 240 0.2 48 Contribution from JEE of the same Board -- Look at 90 percentile of JEE Board-wise list, say 180 180 0.2 36 TOTAL 204

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Readers' opinions (83)**Sort by:** [Newest](#) | [Oldest](#)**Shaurya** (Delhi)

29 May, 2013 07:18 PM

What kind of a stupid method is this? The effect of Boards marks will only be 20% As stated by someone above, why not calculate percentile on the basis of exam day? As the difficulty level varied, not by a small margin but by miles. Brainless authorities

NEHAV (Mumbai) replies to Shaurya

19 Jun, 2013 11:45 AM

CAN ANY ONE TELL ME, HOW THE WEIGHTAGE OF BOARD EXAM WILL BE CALCULATED? STATE BOARD HAVING 6 SUBJECTS. WHETHER ONLY PCM WILL BE TAKEN OR ALL 6 SUBJECTS ? URGENT PL.

Nitin (India)

14 May, 2013 08:10 PM

From the Normalisation Procedure explained by you, it seems that the students who score well in the JEE Main exam, while not scoring too well in the Boards, are being favoured. Rather, it should be the other way round, as I had read earlier, from the conceptualisation stage of considering the Board marks. I believe, the concept behind this was that the students need to focus on their boards also, instead of neglecting the boards, & the school studies, and just devoting all their time and energy coachings and focussing only on the JEE.

R Sridhar (chennai)

13 May, 2013 01:06 PM

IITs are third rated institutes against NITs. MIT in US follows what others follow as they don't get money from coaching institutes run by their alumni. IITs don't have any brain to do advanced research and chairman of IIT gets 50 lakhs from coaching institute. Just check nanopolitan blog run by IISc and other blog run by kumar IIT professor. Previous IITs are rigging ranks inside. now no chance as kumar puts it.

guest (india)

12 May, 2013 05:56 PM

In this method, one needs to do well in board exams. After that with someone else's marks one can improve his score.

ves (noida)

12 May, 2013 04:58 PM

Offline and online exams of IIT JEE Main were not of the same difficulty level as expressed by many. Why not calculate percentile for IIT JEE Main exam day wise??

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