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Qualifying in GATE 2020 does not guarantee either an admission to a post-graduate programme or a scholarship/assistantship. Admitting institutes may conduct further tests or interviews for final selection.

In the GATE 2020, the qualifying marks for a general category candidate in each paper is  $\mu + \sigma$  or 25 marks (out of 100), whichever is greater, where  $\mu$  is the mean and  $\sigma$  is the standard deviation of marks of all the candidates who appeared in the paper. The qualifying marks for OBC(NCL) and SC/ST/PwD candidates are 90% and two-third of a general category candidate in the paper respectively.

The GATE 2020 score was calculated using the formula

$$GATE\ Score = S_q + \left(S_t - S_q\right) \frac{(M - M_q)}{(\overline{M}_t - M_q)}$$

where

*M* is marks (out of 100) obtained by the candidate in the paper

 $M_q$  is the qualifying marks for general category candidate in the paper

- $\overline{M}_t$  is the mean of marks of top 0.1% or top 10 (whichever is greater) of the candidates who appeared in the paper (in case of multi-session papers including all sessions)
- $S_q = 350$ , is the score assigned to  $M_q$
- $S_t = 900$ , is the score assigned to  $\overline{M}_t$

In multi-session (Civil Engineering and Mechanical Engineering) papers, the normalized mark of  $j^{th}$  candidate in the  $i^{th}$  session  $\hat{M}_{ij}$  was computed using the formula

$$\widehat{M}_{ij} = \frac{\overline{M}_t^g - M_q^g}{\overline{M}_{ti} - M_{iq}} (M_{ij} - M_{iq}) + M_q^g$$

where

 $M_{ij}$  is the actual marks obtained by the  $j^{th}$  candidate in  $i^{th}$  session

- $\bar{M}_t^g$  is the average marks of the top 0.1% of the candidates considering all sessions
- $M_q^g$  is the sum of mean and standard deviation marks of the candidates in the paper considering all sessions
- $\overline{M}_{ti}$  is the average marks of the top 0.1% of the candidates in the *i*<sup>th</sup> session
- $M_{iq}$  is the sum of the mean marks and standard deviation of the  $i^{th}$  session

Graduate Aptitude Test in Engineering (GATE) 2020 was organised by Indian Institute of Technology Delhi on behalf of the National Coordination Board (NCB) – GATE for the Department of Higher Education, Ministry of Human Resources Development (MHRD), Government of India.

PRINCIPAL Dr. Vithairao Vikhe Patil College of Engineering Ahmednagar

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