Dr. Ambedkar Institute of technology, Bengaluru-56 Department of Computer Science & Engineering

The enclosed documents are verified & approved.

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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 μ is the mean and σ 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

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

where

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

 $\boldsymbol{M_q}$ is the qualifying marks for general category candidate in the paper

 \bar{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

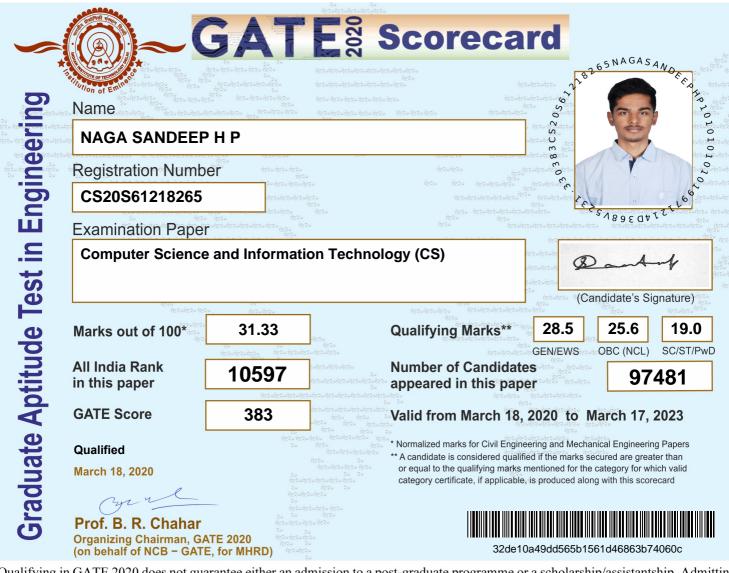
 M_{ij} is the actual marks obtained by the j^{th} candidate in i^{th} session

 \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

 $\overline{\mathbf{M}}_{ti}$ is the average marks of the top 0.1% of the candidates in the i^{th} session

 M_{iq} is the sum of the mean marks and standard deviation of the i^{th} session



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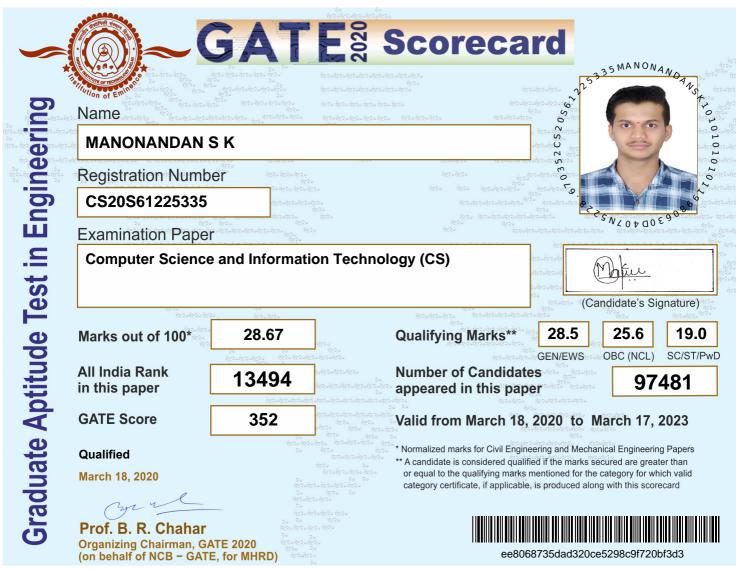
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