Note

No. 2019/HQ/HR/I(IX)/RTI/PT.2 (201901119) Dated: 27.10.2021

Sub: Application of HITESH R/o UP dated 20.10.2021 under RTI Act-2005.

Reply to RTI No. 1154

Item No.	Information Sought For :	Proposed Reply/Remarks
1	Sir, I want to know how many candidates appeared in DFCCIL Junior Executive (Operations & BD) exam held on 30 September 2021. (post code 33)	Total number of candidates appeared in the exam for the post of Jr. Executive (OP&BD) against the advt. 04/2021 is **60786**.
2	How many candidates qualified for above post for the medical and Documents verification.	No information available on records as on date.
3	Expected Date of Result for DFCCIL junior executive Operation & BD exam.	Reply to questions likely time and probable dates are not covered under RTI Act. So required u/s 8(1).
4	Please Mention Normalization formula applied in this Exam. Please provide above information.	Kindly find enclose the document regarding score normalization.

27/10/21
Manager/HR

JGM/Admin (CPIO)

27/10

Score Normalization

About Normalization

Normalization means adjusting values measured on different scales to a notionally common scale

Need for Normalization in Exam

Exam pertaining for a particular post/course could be spread across multiple shifts which will have different question paper for each shift. The normalization is to be done by considering the difficulty level of each set, since the questions may be different in different sets and difficulty level of a particular set may be different from other sets.

Hence the normalization of scores need to be carried out for all the candidates who had written the exam, across shifts for the same post/course.

Normalization Method

The following data values to be calculated for every shift for all the candidates who have appeared in the exam for the same post:

S2	Is the SD of the shift with the Highest Average Score taken as **Base** for normalization (Criteria for choosing the base for normalization is generally taken as the shift with 'Highest Average' of raw scores)
S1	Standard Deviation for the corresponding shift (to be scaled to S2)
X	Raw score of a candidate
Xav	Simple average of the Shift
Yav	Average corresponding to shift with highest Average (taken as **Base** for normalization)

Normalized Score for each candidate (Xn) = $Xn = (S2 / S1) * (X - Xav) + Yav$

Criteria for choosing the base for normalization is generally taken as the shift with 'Highest Average' of raw scores. Only exception is made if this shift (with highest average) has far less number of candidates as compared to other shifts. In that case we take the next shift with 'highest Average' as base for normalization.

70% of the average attendance is the limit. Any value below this should not be considered for the base.

NOTE: Treatment to Ambiguous/invalid question i.e. Full Marks or Proration is done before Normalization.