



Document on Equated Score
Computation Method

CET CELL will be conducting examinations on multiple shifts for B.Ed. (General & Special) & B.Ed. ELCT-CET 2024. The candidates will be given different sets of questions in every shift and it is quite possible that in spite of all efforts of maintaining equivalence among various question papers, the difficulty level of these question papers administered in different shifts may not be exactly the same. In order to overcome such a situation, **Equated Score Computation method** will be used for ensuring that candidates are neither benefitted nor disadvantaged due to the difficulty level of the examination.

The process of Equated Score Computation Method is an established practice for comparing candidate scores across multi shift papers and is similar to those being adopted in other large educational selection tests conducted in India, and similar methodology will be adopted for B.Ed. (General & Special) & B.Ed. ELCT-CET 2024.

The Method includes the following steps.

Step 1 – Find the MEAN and STANDARD DEVIATION of ALL the students considering it as one group.

Step 2- Find the MEAN and STANDARD DEVIATION of all the sessions individually.

Step 3 – Find the STANDARD SCORE of each student with the respective MEAN and STANDARD DEVIATION of the session

STANDARD SCORE = (Total Marks – MEAN of the Batch) / STANDARD DEVIATION of the BATCH

Step 4 – Find the EQUATED SCORES

EQUATED SCORE = (STANDARD SCORE X STANDARD DEVIATION

considering all candidates as one group) + MEAN considering all candidates as one group

Step 5 - Once the EQUATED SCORES are calculated for all the candidates. Candidates with 0 score (raw score) should be considered with as 0 as they are not eligible for Admission Process

Step 6 – Round off the equated score to the nearest whole number.

Example: Suppose a test was held in 5 sessions of examinees as per details given below: -(Allocation of Days and shifts were done randomly)

(a) Distribution of candidates were as follows:

Session-1: Day-1 Batch 1, Session-2: Day-1 batch-2, Session-3: Day-2 Batch-1, Session- 4: Day-2 Batch-2, Session-5: Day-3 Batch 1

Session	Day/Batch	No. of Candidates			Marks	
		Absent	Present	Total	Highest	Lowest
1	D1 B1	1,347	13,736	15,083	84	2
2	D1 B2	1,117	13,872	14,989	84	14
3	D2 B1	1,291	14,478	15,769	84	30
4	D2 B2	1,343	15,297	16,640	84	32
5	D3 B1	1,493	14,995	16,488	84	42

Standard Score & Equated Scores for each batch will be computed as follows for each batch:

Roll Number	Examinee Name	Batch	Total Questions	Attempted Questions	In Correct Answer	Correct Answers	Total Marks
1001001	ABC1	D1 B1	100	100	16	84	84
1001002	ABC2	D1 B1	100	100	18	82	82
1001003	ABC3	D1 B1	100	100	20	80	80
1001004	ABC4	D1 B1	100	100	20	80	80
1001005	ABC5	D1 B1	100	100	20	80	80

Roll Number	Examinee Name	Batch	Total Score	Max Marks	Standard Score	Equated Scores	Equated Scores (Round)
1001001	ABC1	D1 B1	84	100	2.852891463	83.83537212	84
1001002	ABC2	D1 B1	82	100	2.687712247	81.84751666	82
1001003	ABC3	D1 B1	80	100	2.52253303	79.85966119	80
1001004	ABC4	D1 B1	80	100	2.52253303	79.85966119	80
1001005	ABC5	D1 B1	80	100	2.52253303	79.85966119	80

Roll Number	Examinee Name	Batch	Total Questions	Attempted Questions	In Correct Answer	Correct Answers	Total Marks
1003944	ABC1	D1 B2	100	100	16	84	84
1003945	ABC2	D1 B2	100	100	18	82	82
1003946	ABC3	D1 B2	100	100	20	80	80
1003947	ABC4	D1 B2	100	100	20	80	80
1003948	ABC5	D1 B2	100	100	20	80	80

Roll Number	Examinee Name	Batch	Total Score	Max Marks	Standard Score	Equated Scores	Equated Scores (Round)
1003944	ABC1	D1 B2	84	100	2.869555181	84.03591226	84
1003945	ABC2	D1 B2	82	100	2.703139326	82.03317443	82
1003946	ABC3	D1 B2	80	100	2.536723472	80.03043659	80
1003947	ABC4	D1 B2	80	100	2.536723472	80.03043659	80
1003948	ABC5	D1 B2	80	100	2.536723472	80.03043659	80

Roll Number	Examinee Name	Batch	Total Questions	Attempted Questions	In Correct Answer	Correct Answers	Total Marks
1006883	ABC1	D2 B1	100	100	84	84	84
1006884	ABC2	D2 B1	100	100	82	82	82
1006885	ABC3	D2 B1	100	100	80	80	80
1006886	ABC4	D2 B1	100	100	80	80	80
1006887	ABC5	D2 B1	100	100	80	80	80

Roll Number	Examinee Name	Batch	Total Score	Max Marks	Standard Score	Equated Scores	Equated Scores (Round)
1006883	ABC1	D2 B1	84	100	3.023075155	85.88345413	86
1006884	ABC2	D2 B1	82	100	2.841799101	83.70188068	84
1006885	ABC3	D2 B1	80	100	2.660523048	81.52030722	82
1006886	ABC4	D2 B1	80	100	2.660523048	81.52030722	82
1006887	ABC5	D2 B1	80	100	2.660523048	81.52030722	82

And so on for all the batches. Subsequently, all the groups are collated based on the Equated Scores (Round) as follows for the computation of final result:

Roll Number	Examinee Name	Batch	Total Questions	Attempted Questions	In Correct Answer	Correct Answers	Total Marks
1012761	ABC1	D2 B2	100	100	16	84	84
1009822	ABC2	D2 B2	100	100	16	84	84
1012762	ABC3	D2 B2	100	100	18	82	82
1006883	ABC4	D2 B2	100	100	16	84	84
1001001	ABC5	D2 B2	100	100	16	84	84
1003944	ABC6	D2 B2	100	100	16	84	84
1006884	ABC7	D2 B2	100	100	18	82	82

Roll Number	Examinee Name	Batch	Total Score	Max Marks	Standard Score	Equated Scores	Equated Scores (Round)
1012761	ABC1	D2 B2	84	100	3.364732216	89.99513882	90
1009822	ABC2	D2 B2	84	100	3.076224867	86.52308633	87
1012762	ABC3	D2 B2	82	100	3.131090193	87.18336515	87
1006883	ABC4	D2 B2	84	100	3.023075155	85.88345413	86
1001001	ABC5	D2 B2	84	100	2.852891463	83.83537212	84
1003944	ABC6	D2 B2	84	100	2.869555181	84.03591226	84
1006884	ABC7	D2 B2	82	100	2.841799101	83.70188068	84

NOTE: The roll numbers, attendance counts, and score provided in the above table are only for representational purpose.