GOVERNMENT OF MAHARASHTRA
State Common Entrance Test Cell

Document on Equated Score Computation Method

CET CELL has been conducted CET examinations on 12/03/2024 & 13/03/2024 in multiple shifts for LLB 3 Year-CET 2024. The candidates has been 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 LLB 3 Year-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

EQAUTED 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 4 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

		No. of Candidates			Marks	
Session	**Day/Batch**	**Absent**	**Present**	**Total**	**Highest**	**Lowest**
1	**D1 B1**	3,220	17,129	20,349	135	13
2	**D1 B2**	2,935	16,996	19,931	132	24
3	**D2 B1**	2,947	16,957	19,904	126	10
4	**D2 B2**	2,814	17,062	19,876	122	8

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 Questions	Total Score
210100001	ABC1	D1 B1	150	150	15	135
210100002	ABC2	D1 B1	150	150	15	135
210100003	ABC3	D1 B1	150	150	15	135
210100004	ABC4	D1 B1	150	150	16	134
210100005	ABC5	D1 B1	150	150	17	133

Roll Number	Examinee Name	Batch	Total Score	Max Marks	Exam Duration	Standard Score	Equated Scores	Equated Scores (Round)
210100001	ABC1	D1 B1	135	150	120	3.120738586	124.9188199	125
210100002	ABC2	D1 B1	135	150	120	3.120738586	124.9188199	125
210100003	ABC3	D1 B1	135	150	120	3.120738586	124.9188199	125
210100004	ABC4	D1 B1	134	150	120	3.067960636	123.985151	124
210100005	ABC5	D1 B1	133	150	120	3.015182685	123.0514822	123

Roll Number	Examinee Name	Batch	Total Questions	Attempted Questions	In Correct Questions	Total Score
210112201	ABC1	D1 B2	150	150	18	132
210112202	ABC2	D1 B2	150	150	21	129
210112203	ABC3	D1 B2	150	150	23	127
210112204	ABC4	D1 B2	150	150	25	125
210112205	ABC5	D1 B2	150	150	27	123

Roll Number	Examinee Name	Batch	Total Score	Max Marks	Exam Duration	Standard Score	Equated Scores	Equated Scores (Round)
210112201	ABC1	D1 B2	132	150	120	3.635608713	134.027135	134
210112202	ABC2	D1 B2	129	150	120	3.463087472	130.9751463	131
210112203	ABC3	D1 B2	127	150	120	3.348073311	128.9404871	129
210112204	ABC4	D1 B2	125	150	120	3.23305915	126.9058279	127
210112205	ABC5	D1 B2	123	150	120	3.118044989	124.8711688	125

Roll Number	Examinee Name	Batch	Total Questions	Attempted Questions	In Correct Questions	Total Score
210125067	ABC1	D2 B1	150	150	24	126
210125068	ABC2	D2 B1	150	150	27	123
210125069	ABC3	D2 B1	150	150	27	123
210125070	ABC4	D2 B1	150	150	28	122
210125071	ABC5	D2 B1	150	148	26	122

Roll Number	Examinee Name	Batch	Total Score	Max Marks	Exam Duration	Standard Score	Equated Scores	Equated Scores (Round)
210125067	ABC1	D2 B1	126	150	120	3.176409592	125.9036684	126
210125068	ABC2	D2 B1	123	150	120	3.008809369	122.9387349	123
210125069	ABC3	D2 B1	123	150	120	3.008809369	122.9387349	123
210125070	ABC4	D2 B1	122	150	120	2.952942629	121.9504238	122
210125071	ABC5	D2 B1	122	150	120	2.952942629	121.9504238	122

Roll Number	Examinee Name	Batch	Total Questions	Attempted Questions	In Correct Questions	Total Score
210137911	ABC1	D2 B2	150	150	28	122
210137912	ABC2	D2 B2	150	150	30	120
210137913	ABC3	D2 B2	150	150	33	117
210137914	ABC4	D2 B2	150	150	34	116
210137915	ABC5	D2 B2	150	150	36	114

Roll Number	Examinee Name	Batch	Total Score	Max Marks	Exam Duration	Standard Score	Equated Scores	Equated Scores (Round)
210137911	ABC1	D2 B2	122	150	120	3.819559247	137.2813138	137
210137912	ABC2	D2 B2	120	150	120	3.684431841	134.8908411	135
210137913	ABC3	D2 B2	117	150	120	3.481740732	131.305132	131
210137914	ABC4	D2 B2	116	150	120	3.414177029	130.1098956	130
210137915	ABC5	D2 B2	114	150	120	3.279049623	127.7194229	128

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 Questions	Total Score
210137911	ABC1	D2 B2	150	150	28	122
210137912	ABC2	D2 B1	150	150	30	120
210112201	ABC3	D1 B2	150	150	18	132
210112202	ABC4	D1 B2	150	150	21	129
210137913	ABC5	D2 B1	150	150	33	117
210137914	ABC6	D2 B1	150	150	34	116
210112203	ABC7	D1 B1	150	150	23	127
210137915	ABC8	D2 B2	150	150	36	114
210137916	ABC9	D2 B1	150	150	36	114
210137917	ABC10	D2 B1	150	150	36	114

Roll Number	Examinee Name	Batch	Total Score	Max Marks	Exam Duration	Standard Score	Equated Scores	Equated Scores (Round)
210137911	ABC1	D2 B2	122	150	120	3.819559247	137.2813138	137
210137912	ABC2	D2 B1	120	150	120	3.684431841	134.8908411	135
210112201	ABC3	D1 B2	132	150	120	3.635608713	134.027135	134
210112202	ABC4	D1 B2	129	150	120	3.463087472	130.9751463	131
210137913	ABC5	D2 B1	117	150	120	3.481740732	131.305132	131
210137914	ABC6	D2 B1	116	150	120	3.414177029	130.1098956	130
210112203	ABC7	D1 B1	127	150	120	3.348073311	128.9404871	129
210137915	ABC8	D2 B2	114	150	120	3.279049623	127.7194229	128
210137916	ABC9	D2 B1	114	150	120	3.279049623	127.7194229	128
210137917	ABC10	D2 B1	114	150	120	3.279049623	127.7194229	128

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