

LIST OF TABLES

<u>TABLE No.</u>		<u>PAGE</u>
3.01	The Colleges of Education offering B.Ed in the University of Madras constituting the Population of the Study and the Sample elected	176
3.02	The B.Ed Students of the University of Madras during 1977-78: College-wise Number of Students in the Population and in the Sample	177
3.03	The B.Ed Students of the University of Madras: Percentage of students in different strata of the population and in the Sample	178
3.04	Sample of B.Ed Students: Certain Characteristics	179
3.05	The Colleges of Education offering M.Ed in the University of Madras, constituting the Population and the Sample selected.	180
3.06	The M.Ed Students of the University of Madras during 1977-78: College-wise Number of students in the Population and in the sample	181
3.07	The M.Ed Students of the University of Madras: Percentage of Students in different strata of the Population in 1977-78 and in the sample	182
3.08	Sample of M.Ed Students: Certain Characteristics	183
3.09	The Titles of Categories and Sub-categories of Recent Developments in Education in the Finalised List II and their corresponding codes and the Number of Items included therein	201
3.10	The Population of Teacher-educators and the responding Sample in the University of Madras	203
3.11	Classification of Pilot Test Items in terms of Bloom's Taxonomy of Educational Objectives (Cognitive)	222
3.12	The Sample for Pre-testing the Test on Knowledge of Recent Developments in Education	224
3.13	Classification of Test-items of the Pilot Test on the basis of Difficulty Index and Validity Index.	227

<u>TABLE No.</u>		<u>PAGE</u>
3.14	Classification of Test-items of the Pilot Test, based on the Results of Item-Analysis	230
3.15	The Qualitative status of Test-items of the Pilot Test for testing items of Recent Developments in Education according to List II and Selection for the Final Test	231
4.01	Awareness of Recent Developments in Education of the B.Ed and M.Ed students-Frequency Distributions	255
4.02	Cumulative Frequency in Percentage of Percentage Scores of B.Ed students (N=546) and M.Ed Students (N=78) on Awareness of Recent Developments in Education	257
4.03	Testing the Significance of the difference between the Means of B.Ed and M.Ed Samples in Awareness of Recent Developments in Education by 't' Test	260
4.04	Knowledge of Recent Developments in Education of the B.Ed and M.Ed Students-Frequency Distributions.	261
4.05	Classification of B.Ed and M.Ed Students on their Knowledge of Recent Developments	263
4.06	Cumulative Frequency in Percentage of Percentage Scores of B.Ed Students (N=546) and M.Ed Students (N=78) on Knowledge of Recent Developments	265
4.07	Testing the Significance of the difference between the Means of B.Ed and M.Ed Samples regarding Knowledge of Recent Developments through 't' Test	266
4.08	The Utilisation of Sources of Information by B.Ed and M.Ed Students-Frequency Distributions	268
4.09	Classification of B.Ed and M.Ed Students on Utilisation of Sources of Information on Recent Developments	270
4.10	Cumulative Frequency in Percentage of Percentage Scores of B.Ed Students (N=546) and M.Ed Students (N=78) on Utilisation of Sources of Information on Recent Developments	272

<u>TABLE No.</u>		<u>PAGE</u>
4.11	Testing the Significance of the difference between the Means of B.Ed and M.Ed Samples with respect to Utilisation of the Sources of Information through 't' Test	273
4.12	Professional Teacher Attitude of the B.Ed Students-Frequency Distribution	274
4.13	Professional Teacher Attitude of the M.Ed Students-Frequency Distribution	275
4.14	Cumulative Frequency in Percentage of Percentage Scores of B.Ed Students (N=546) and M.Ed Students (N=78) on Professional Teacher Attitude	276
4.15	Testing the Significance of the Difference between the Means of B.Ed and M.Ed Samples in Professional Teacher Attitude through 't' Test	279
4.16	Frequency Distributions of Grade Point Average of the B.Ed and M.Ed Students	281
4.17	The chi-Square Test of Independence of Institutional/Biographical Variables and Awareness of Recent Developments of the B.Ed students	285
4.18	Testing for Homogeneity of Variances of B.Ed Student Groups in their Awareness of Recent Developments, using F Ratio	288
4.19	Testing the significance of the Difference between the Means of B.Ed Student-groups in Awareness of Recent Developments-Critical Ratio Test	289
4.20	The Chi-square Test of Independence of Institutional/Biographical Variables and Awareness of Recent Developments of the M.Ed Students	293
4.21	Test of Homogeneity of Variances of M.Ed student-Groups in their Awareness of Recent Developments, using F Ratio	295
4.22	Testing the Significance of the Difference between the Means of M.Ed Student-Groups in the Awareness of Recent Developments - Critical Ratio Test	296

<u>TABLE No.</u>		<u>PAGE</u>
4.23	Testing the Significance of the Difference between Means in Awareness of Recent Developments in Education of M.Ed Student-Groups - Fisher Behren's d Test	298
4.24	The Chi-square Test of Independence of Institutional/Biographical Variables and Knowledge of Recent Developments in Education of the B.Ed Students	300
4.25	Testing for Homogeneity of the Variances of B.Ed Student-Groups in their Knowledge of Recent Developments, using F Ratio	302
4.26	Testing the Significance of the Difference between the Means of B.Ed student-Groups in Knowledge of Recent Developments - Critical Ratio Test	305
4.27	The Significance of the Difference between the Means in Knowledge of Recent Developments of B.Ed Student-Groups - Fisher Behren's Test	307
4.28	The Chi-square Test of Independence of Institutional/Biographical Variables and Knowledge of Recent Developments of the M.Ed Students	310
4.29	Testing for Homogeneity of Variances of M.Ed Student-Groups in their Knowledge of Recent Developments, using the F Ratio	312
4.30	Testing the Significance of the Difference between the Means of M.Ed Student-Groups in Knowledge of Recent Developments - Critical Ratio Test	313
4.31	The Significance of the Difference between the Means in Knowledge of Recent Developments of the M.Ed Student-Groups Fisher Behren's Test	314
4.32	Percentage of B.Ed students at different Levels of Awareness of EDUCATION AND THE STATE and Weighted Arithmetic Item-Means	320
4.33	Percentage of B.Ed students at different Levels of Awareness of EDUCATION AND TEACHERS and Weighted Arithmetic Item-Means	322

<u>TABLE No.</u>		<u>PAGE</u>
4.34	Percentage of B.Ed students at different Levels of Awareness of EDUCATIONAL PSYCHOLOGY and Weighted Arithmetic Item-Means	324
4.35	Percentage of B.Ed Students at different Levels Awareness of EDUCATIONAL MANAGEMENT AND ADMINISTRATION and Weighted Arithmetic Item-Means	325
4.36	Percentage of B.Ed students at different Levels of Awareness of METHODS OF TEACHING AND LEARNING and the Weighted Arithmetic Item-Means	327
4.37	Percentage of B.Ed students at different Levels of Awareness of EDUCATIONAL EVALUATION and the Weighted Arithmetic Item-Means	330
4.38	Percentage of B.Ed. students at different Levels of Awareness of EDUCATION AND THE CURRICULUM and the Weighted Arithmetic Item-Means	333
4.39	Percentage of B.Ed students at different Levels of Awareness of EDUCATION AND THE COMMUNITY and the Weighted Arithmetic Item-Means	334
4.40	Percentage of B.Ed students at different Levels of Awareness of EDUCATIONAL REPORTS and Weighted Arithmetic Item-Means	336
4.41	Percentage of B.Ed students at different Levels of Awareness of EDUCATIONAL PLANNING and the Weighted Arithmetic Item-Means	338
4.42	Percentage of B.Ed students at different Levels of Awareness of EDUCATIONAL LITERATURE and the Weighted Arithmetic Item-Means	339
4.43	Percentage of B.Ed students at different Levels of Awareness of EDUCATIONAL AGENCIES and the Weighted Arithmetic Item-Means	340
4.44	Average Percentage of B.Ed students at different Levels of Awareness of the twelve Categories of Recent Developments together with Arithmetic Mean-Awareness and Rank Status	343

<u>TABLE No.</u>		<u>PAGE</u>
4.45	Percentage of M.Ed. students at different Levels of Awareness of EDUCATION AND THE STATE and Weighted Arithmetic Item-Means	345
4.46	Percentage of M.Ed students at different Levels of Awareness of EDUCATION AND THE TEACHERS and Weighted Arithmetic Item-Means	346
4.47	Percentage of M.Ed students at different Levels of Awareness of EDUCATIONAL PSYCHOLOGY and Weighted Arithmetic Item-Means	348
4.48	Percentage of M.Ed student at different Levels of Awareness of EDUCATIONAL MANAGEMENT AND ADMINISTRATION and Weighted Arithmetic Item-Means	349
4.49	Percentage of M.Ed students at different Levels of Awareness of METHODS OF TEACHING LEARNING and Weighted Arithmetic Item-Means	352
4.50	Percentage of M.Ed students at different Levels of Awareness of EDUCATIONAL EVALUATION and the Weighted Arithmetic Item-Means	354
4.51	Percentage of M.Ed students at different Levels of Awareness of EDUCATION AND THE CURRICULUM and the Weighted Arithmetic Item-Means	357
4.52	Percentage of M.Ed students at different Levels of Awareness of EDUCATION AND THE COMMUNITY and the Weighted Arithmetic Item-Means	358
4.53	Percentage of M.Ed students at different Levels of Awareness of EDUCATIONAL REPORTS and the Weighted Arithmetic Item-Means	360
4.54	Percentage of M.Ed students at different Levels of Awareness of EDUCATIONAL PLANNING and the Weighted Arithmetic Item-Means	361
4.55	Percentage of M.Ed students at different Levels of Awareness of EDUCATIONAL LITERATURE and the Weighted Arithmetic Item-Means	362

<u>TABLE No.</u>		<u>PAGE</u>
4.56	Percentage of M.Ed students at different Levels of Awareness of EDUCATIONAL AGENCIES and the Weighted Arithmetic Item-Means	363
4.57	Average Percentage of M.Ed students at different Levels of Awareness of the twelve Categories of Recent Developments together with Weighted Arithmetic Mean Awareness and Rank Status.	365
4.58	The top ten Recent Developments in Education based on the Awareness of B.Ed students of the Madras University	368
4.59	The top ten Recent Developments in Education based on the Awareness of M.Ed Students of the Madras University	369
4.60	The bottom ten Recent Developments in Education based on the Awareness of B.Ed students of the Madras University	370
4.61	The bottom ten Recent Developments in Education based on the Awareness of M.Ed students of the Madras University	372
4.62	Percentage of B.Ed and M.Ed students marking different Levels of Awareness of the twelve categories of Recent Developments in Education and Weighted Arithmetic Mean Awareness Score of the categories and Mean Utilisation of Sources of Information	374
4.63	Rank Status of Awareness of the twelve categories of Recent Developments in Education among B.Ed and M.Ed students and Rank Order Correlation	376
4.64	Percentage of B.Ed students utilising the Ten Sources of Information for Awareness-Knowledge of EDUCATION AND THE STATE	380
4.65	Percentage of B.Ed students utilising the Ten Sources of Information for Awareness-Knowledge of EDUCATION AND THE TEACHERS	382
4.66	Percentage of B.Ed students utilising the Ten Sources of Information for Awareness-Knowledge of EDUCATIONAL PSYCHOLOGY	385

<u>TABLE No.</u>		<u>PAGE</u>
4.67	Percentage of B.Ed students utilising the Ten Sources of Information for Awareness-Knowledge of EDUCATIONAL MANAGEMENT AND ADMINISTRATION	386
4.68	Percentage of B.Ed students utilising the Ten Sources of Information for Awareness-Knowledge of METHODS OF TEACHING AND LEARNING	390
4.69	Percentage of B.Ed students utilising the Ten Sources of Information for Awareness-Knowledge of EDUCATIONAL EVALUATION	394
4.70	Percentage of B.Ed students utilising the Ten Sources of Information for Awareness-Knowledge of EDUCATION AND THE CURRICULUM	399
4.71	Percentage of B.Ed students utilising the Ten Sources of Information for Awareness-Knowledge of EDUCATION AND THE COMMUNITY	401
4.72	Percentage of B.Ed students utilising the Ten Sources of Information for Awareness-Knowledge of EDUCATIONAL REPORTS	404
4.73	Percentage of B.Ed students Utilising the Ten Sources of Information for Awareness-Knowledge of EDUCATIONAL PLANNING	405
4.74	Percentage of B.Ed students Utilising the Ten Sources of Information for Awareness-Knowledge of EDUCATIONAL LITERATURE	407
4.75	Percentage of B.Ed students Utilising the Ten Sources of Information for Awareness-Knowledge of EDUCATIONAL AGENCIES	408
4.76	Percentage of M.Ed students Utilising the Ten Sources of Information for Awareness-Knowledge of EDUCATION AND THE STATE	416
4.77	Percentage of M.Ed students utilising the Ten Sources of Information for Awareness-Knowledge of EDUCATION AND THE TEACHERS	418
4.78	Percentage of M.Ed students utilising the Ten Sources of Information for Awareness-Knowledge of EDUCATIONAL PSYCHOLOGY	420
4.79		

<u>TABLE No.</u>		<u>PAGE</u>
4.79	Percentage of M.Ed students utilising the Ten Sources of Information for Awareness-Knowledge of EDUCATIONAL MANAGEMENT AND ADMINISTRATION	422
4.80	Percentage of M.Ed students utilising the Ten Sources of Information for Awareness-Knowledge of METHODS OF TEACHING AND LEARNING	425
4.81	Percentage of M.Ed students utilising the Ten Sources of Information for Awareness-Knowledge of EDUCATIONAL EVALUATION	429
4.82	Percentage of M.Ed students utilising the Ten Sources of Information for Awareness-Knowledge of EDUCATION AND THE CURRICULUM	433
4.83	Percentage of M.Ed students utilising the Ten Sources of Information for Awareness-Knowledge of EDUCATION AND THE COMMUNITY	435
4.84	Percentage of M.Ed students utilising the Ten Sources of Information for Awareness-Knowledge of EDUCATIONAL REPORTS	437
4.85	Percentage of M.Ed students utilising the Ten Sources of Information for Awareness-Knowledge of EDUCATIONAL PLANNING	439
4.86	Percentage of M.Ed students utilising the Ten Sources of Information for Awareness-Knowledge of EDUCATIONAL AGENCIES	441
4.87 4.88	Total Number of Items of Recent Developments in Education at four levels of Mean Utilisation of Sources of Information by the B.Ed and M.Ed samples	442 448
4.89	The actual proportion of Utilisation of the Different Sources of Information relating to Recent Developments in Education in the B.Ed and M.Ed samples and the Rank Status associated therewith	449

<u>TABLE No.</u>		<u>PAGE</u>
4.90	The top Ten Items of Recent Developments in Education of which B.Ed students were most aware and the corresponding Mean Utilisation of the Sources of Information	450
4.91	The bottom Ten Items of Recent Developments in Education of which B.Ed students were least aware and their corresponding Mean Utilisation of the Sources of Information	451
4.92	The top Ten Items of Recent Developments in Education of which the M.Ed students were most aware and their Mean Utilisation of the Sources of Information	452
4.93	The bottom Ten Items of Recent Developments in Education of which M.Ed students were least aware and the corresponding Mean Utilisation of Sources of Information	453
4.94	Comparative Performance of B.Ed and M.Ed students of Madras University on the Test on Knowledge of Recent Developments in Education	457
4.95	The Facility Value of the Top Ten Items of Recent Developments for the B.Ed student-group, Weighted Arithmetic Mean Awareness of the Items and the Percentage of Utilisation of Sources of Information of the Items	462
4.96	The Facility Value of the Least known Ten Items of Recent Developments for the B.Ed student-group, Weighted Arithmetic Mean Awareness of the items and percentage of Utilisation of Sources of Information of the items	463
4.97	The Facility Value of the Top Ten Items of Recent Developments for the M.Ed student-group, Weighted Arithmetic Mean Awareness of the Items and the Percentage of Utilisation of Sources of Information of the items	464

<u>TABLE No.</u>		<u>PAGE</u>
4.98	The Facility Value of the Least known Ten Items of Recent Developments in Education for the M.Ed student-group, Weighted Arithmetic Mean Awareness of the items and the Percentage of Utilisation of Sources of Information of the items	465
4.99	Matrix of Inter-correlations in the B.Ed sample	468
4.100	Matrix of Inter-correlations in the M.Ed sample	472
4.101	The correlations between Awareness of Recent Developments of B.Ed Students and Knowledge of Recent Developments and the Partial correlations of the first, second and third order	478
4.102	The correlation between Awareness of Recent Developments of B.Ed Students and their Utilisation of Sources of Information and the Partial correlations of the first, second and third order	479
4.103	The correlation between Awareness of Recent Developments of B.Ed students and GPA and the Partial correlations of the first, second and third order	480
4.104	The correlation between Knowledge of Recent Developments of B.Ed students and their Utilisation of Sources of Information and the Partial correlations of the first, second and third order	481
4.105	The correlation between Knowledge of Recent Developments of B.Ed Students and their GPA and the Partial correlations of the first, second and third order	482
4.106	The correlation between Utilisation of Sources of Information of B.Ed Students and their GPA and the Partial correlations of the first, second and third order	483

<u>TABLE NO.</u>		<u>PAGE</u>
4.107	The correlation between the Teacher Attitude of B.Ed Student-Groups and their Awareness of Recent Developments and the Partial correlations of the first, second and third order	484
4.108	The correlation between the Teacher Attitude of B.Ed students and their Knowledge of Recent Developments and the Partial correlations of the first, second and third order	485
4.109	The correlation between the Teacher Attitude of B.Ed Students and their Utilisation of Sources of Information and the Partial correlations of the first, second and third order	487
4.110	The correlation between the Teacher Attitude of B.Ed students and their GPA and the Partial Correlations of the first, second and third order	488
4.111	The correlation between the Awareness of Recent Developments of M.Ed Students and their Knowledge of Recent Developments and the Partial correlations of the first, second and third order	490
4.112	The Correlation between the Awareness of Recent Developments of M.Ed Students and their Utilisation of Sources of Information on Recent Developments and the Partial correlations of the first, second and third order	491
4.113	The correlation between the Awareness of Recent Developments of M.Ed Students and their GPA and the Partial correlations of the first, second and third order	493
4.114	The correlation between the Knowledge of Recent Developments of M.Ed Students and their Utilisation of Sources of Information on Recent Developments and the Partial correlations of the first, second and third order	494
4.115	The correlation between the Knowledge of Recent Developments of M.Ed Students and their GPA and the Partial correlations of the first, second and third order	496

<u>TABLE No.</u>		<u>PAGE</u>
4.116	The correlation between Utilisation of Sources of Information on Recent Developments in Education of M.Ed Students and their GPA and the Partial correlations of the first, second and third order	497
4.117	The correlation between the Teacher Attitude of M.Ed Students and Awareness of Recent Developments and the Partial correlations of the first, second and third order	498
4.118	The correlation between Teacher Attitude of M.Ed Students and their Knowledge of Recent Developments in Education and the Partial correlations of the first, second and third order	499
4.119	The correlation between the Teacher Attitude of M.Ed Students and their Utilisation of Sources of Information on Recent Developments and the Partial correlations of the first, second and third order	501
4.120	The correlation between the Teacher Attitude of M.Ed Students and their GPA and the Partial correlations of the first, second and third order	502
4.121	The Relationship between Awareness of Recent Developments and Knowledge of Recent Developments in Education	505
4.122	The Relationship between the Awareness of Recent Developments in Education and Utilisation of Sources of Information on Recent Developments	506
4.123	The Relationship between the Awareness of Recent Developments and the University Examination GPA	507
4.124	The Relationship between the Knowledge of Recent Developments in Education and the Utilisation of the Sources of Information on Recent Developments	508

<u>TABLE No.</u>		<u>PAGE</u>
4.125	The Relationship between the Knowledge of Recent Developments in Education and the University Examination GPA	509
4.126	The Relationship between the Utilisation of Sources of Information on Recent Developments in Education and University Examination GPA	511
4.127	The Relationship between Teacher Attitude and the Awareness of Recent Developments in Education	512
4.128	The Relationship between Teacher Attitude and Knowledge of Recent Developments in Education	514
4.129	The Relationship between Teacher Attitude and the Utilisation of Sources of Information on Recent Developments	515
4.130	The Relationship between Teacher Attitude and University Examination GPA	516
4.131	Prediction of B.Ed Students' Awareness of Recent Developments-First Step in Backward Solution in Multiple Regression	524
4.132	Prediction of M.Ed Students' Awareness of Recent Developments - First Step in Backward Solution in Multiple Regression	527
4.133	Prediction of B.Ed Students' Knowledge of Recent Developments - First Step in the Backward Solution in Multiple Regression	529
4.134	Prediction of M.Ed Students' Knowledge of Recent Developments-First Step in the Backward Solution in Multiple Regression	531