

List of Tables.

1. Percentage of rural population without educational facilities to total rural population in different parts of Bilingual Bombay State.....	5
2. Percentage of literacy in the different parts of Maharashtra as in the year 1970-71.....	6
3. Number of items originally prepared and retained	54
4. Number of pupils studying in standards VIII to X in the five districts of Aurangabad division.....	60
5. Number of boys and girls studying in standards VIII to X in Aurangabad division.....	61
6. Number of pupils of ages 13 to 17 years studying in schools in Aurangabad division.....	61
7. Validity indices of M.V.T.I. by Dr. G.F. Nafde.....	63
8. Distribution of the population according to IQ.....	65
9. Number of students from high and low groups studying in standards VIII to X	66
10. Chi values of the items in the test.....	72
11. Number of schools in which pilot tryout was done ...	88
12. Number of pupils in the tested sample, from each district	89
13. Number of pupils, in the tested sample, studying in each of the standards VIII, IX and X	90
14. Number of answer sheets from higher group and lower group of each age group selected for item analysis	92
15. Internal consistency indices and difficulty values of the items	96
16. Distribution of items according to difficulty values (age group 15 years)	157

17. Difficulty values of items for each age group.....	159
18. Agewise classification of pupils tested for fixation of time	169
19. Time taken by pupils for completing the test	169
20. Number of schools from each district in which testing was done	178
21. Number of pupils tested from each standard from the five districts	181
22. Classification of pupils tested and their percentages	182
23. Classification of pupils according to age	183
24. Frequency distribution of scores of individuals belonging to different age groups and of the whole group	187
25. Statistics and their standard errors of the obtained scores	191
26. Skewness, standard error and critical ratio of the distribution of scores	195
27. Kurtosis, standard error and critical ratio of the distribution of scores	197
28. Original and smoothed frequencies Age group 13 years	199
29. Original and smoothed frequencies Age group 14 years	200
30. Original and smoothed frequencies Age group 15 years	201
31. Original and smoothed frequencies Age group 16 years	202
32. Original and smoothed frequencies Age group 17 years	203
33. Original and smoothed frequencies Whole group	204

34. Normal curve ordinates at mean, $\pm 1\sigma$, $\pm 2\sigma$, and $\pm 3\sigma$, corresponding to obtained y	208
35. Difference of means and critical ratios of consecutive age groups	220
36. Obtained means and rounded means of different age groups	223
37. SD of each age group and the arbitrarily assumed SD of the group	224
38. Deviation of IQ from the mean IQ for every unit deviation of raw score from the mean	226
39. Scattergram of scores used in Test-Retest method ..	246
40. Data grouped for the calculation of mean, SD of the sample selected for Split-Half method	248
41. Mean, median and SD of the whole sample and the sample selected for Split-Half method	250
42. Scattergram of scores used in Split-Half method ...	251
43. Reliability coefficients obtained by different methods	253
44. Scattergram of IQs of the individuals and percentage of marks in the annual examination	265
45. Scattergram of IQ scores obtained by N.V.T.I. and the present test	267
46. Data grouped for finding mean, median and SD of the sample selected for finding intercorrelations	274
47. Statistics of the sample and the whole group	275
48. Extraction of the first centroid factor from the correlation matrix	278
49. First factor matrix	279
50. First residual correlation matrix	280
51. Extraction of the second centroid factor	281

52. Second factor matrix	282
53. Second residual correlation matrix	283
54. Extraction of third centroid factor	284
55. Third factor matrix	285
56. Third residual correlation matrix	286
57. Extraction of fourth centroid factor	287
58. Centroid factor matrix with proportions of variances contributed by the centroid factors	289
59. The factors and the proportion of their variances ..	290
60. Correlation of the tests with each other and with the whole test	292
61. Distribution of standardization sample in composite Stanford-Binet IQ on forms L & M	293
62. Data grouped for finding mean, median and SD of IQs of the sample selected for standardization of the test	294
63. Distribution of standardization sample	296