

APPENDIX D

Table XXV

Summary : Analysis of Variance
Arts, Science and Commerce Students
Cattell's 16PF FACTOR A

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Square
Between Groups	361.55	2	180.77
Within Groups	2429.70	177	13.73
Total	2791.25	179	
F	13.17	Significant Beyond .01 level	

Table XXVI

Summary : Analysis of Variance
Arts, Science and Commerce Students
Cattell's 16PF FACTOR B

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Square
Between Groups	16.41	2	8.21
Within Groups	1186.58	177	6.70
Total	1202.99	179	
F	1.22	Not Significant	

Table XXVII

Summary : Analysis of Variance
Arts, Science and Commerce Students
Cattell's 16PF FACTOR C

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Square
Between Groups	197.64	2	98.82
Within Groups	3383.75	177	19.12
Total	3581.40	179	
F	5.17	Significant Beyond .01 level	

Table XXVIII

Summary : Analysis of Variance
Arts, Science and Commerce Students
Cattell's 16PF FACTOR E

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Square
Between Groups	13.33	2	6.67
Within Groups	3594.87	177	20.31
Total	3608.20	179	
F	0.33	Not Significant	

Table XXIX

Summary : Analysis of Variance
Arts, Science and Commerce Students
Cattell's 16PF FACTOR F

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Square
Between Groups	76.80	2	38.40
Within Groups	2722.95	177	15.38
Total	2799.75	179	
F	2.50	Not Significant	

Table XXX

Summary : Analysis of variance
Arts, Science and Commerce Students
Cattell's 16PF FACTOR G

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Square
Between Groups	15.84	2	7.92
Within Groups	3294.97	177	18.62
Total	3310.80	179	
F	0.43	Not Significant	

Table XXXI

Summary : Analysis of Variance
Arts, Science and Commerce Students
Cattell's 16PF FACTOR H

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Square
Between Groups	276.58	2	138.29
Within Groups	3323.40	177	18.78
Total	3599.98	179	
F	7.36	Significant Beyond .01 level	

Table XXXII

Summary : Analysis of Variance
Arts, Science and Commerce Students
Cattell's 16PF FACTOR I

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Square
Between Groups	57.88	2	28.94
Within Groups	2646.45	177	14.95
Total	2704.33	179	
T	1.94	Not Significant	

Table XXXIII

Summary : Analysis of Variance
Arts, Science and Commerce Students
Cattell's 16PF Factor L

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Square
Between Groups	238.68	2	119.34
Within Groups	2944.57	177	16.64
Total	3183.25	179	
F	7.17	Significant Beyond .01 level	

Table XXXIV

Summary : Analysis of Variance
Arts, Science and Commerce Students
Cattell's 16PF FACTOR M

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Square
Between Groups	182.09	2	91.05
Within Groups	2691.10	177	15.20
Total	2873.20	179	
F	5.99	Significant Beyond .01 level	

Table XXXV

Summary : Analysis of Variance
Arts, Science and Commerce Students
Cattell's 16PF FACTOR N

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Square
Between Groups	42.18	2	21.09
Within Groups	3402.02	177	19.22
Total	3444.19	179	
F	1.09	Not Significant	

Table XXXVI

Summary : Analysis of Variance
Arts, Science and Commerce Students
Cattell's 16PF FACTOR O

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Square
Between Groups	11.38	2	5.69
Within Groups	5119.74	177	28.93
Total	5131.11	179	
F	0.20	Not Significant	

Table XXXVII

Summary : Analysis of Variance
Arts, Science and Commerce Students
Cattell's 16PF FACTOR Q₁

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Square
Between Groups	156.43	2	78.22
Within Groups	2264.52	177	16.18
Total	3020.95	179	
F	4.83	Significant Beyond .01 level	

Table XXXVIII

Summary : Analysis of Variance
Arts, Science and Commerce Students
Cattell's 16PF FACTOR Q₂

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Square
Between Groups	105.64	2	52.82
Within Groups	2536.42	177	14.33
Total	2642.06	179	
F	3.69	Significant Beyond .05 level	

Table XXXIX

Summary : Analysis of Variance
Arts, Science, and Commerce Students
Cattell's 16PF FACTOR Q₃

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Square
Between Groups	1.59	2	0.80
Within Groups	3251.36	177	18.37
Total	3252.95	179	
F	0.04	Not Significant	

Table XL

Summary : Analysis of Variance
Arts, Science and Commerce Students
Cattell's 16PF FACTOR Q₄

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Square
Between Groups	9.08	2	4.54
Within Groups	3689.92	177	20.85
total	3698.99	179	
F	0.22	Not Significant	

Table XLI

Summary : Analysis of Variance
Arts, Science, and Commerce Students
SAM FACTOR I

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Square
Between Groups	0.48	2	0.24
Within Groups	185.50	177	1.05
Total	185.98	179	
F	0.23	Not Significant	

Table XLII

Summary : Analysis of Variance
Arts, Science and Commerce Students
SAM FACTOR II

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Square
Between Groups	3.15	2	1.57
Within Groups	298.50	177	1.69
Total	301.64	179	
F	0.93	Not Significant	

Table XLIII

Summary : Analysis of Variance
Arts, Science and Commerce Students
SAM FACTOR III

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Square
Between Groups	107.24	2	53.62
Within Groups	790.97	177	4.47
Total	298.20	179	
F	11.99	Significant Beyond .01 level	

Table XLIV

Summary : Analysis of Variance
Arts, Science and Commerce Students
SAM FACTOR IV

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Square
Between Groups	158.18	2	79.09
Within Groups	754.60	177	4.26
Total	912.78	179	
F	18.55	Significant Beyond .01 Level	

Table XLV

Summary : Analysis of Variance
Arts, Science and Commerce Students
SAM FACTOR V

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Square
Between Groups	18.98	2	9.49
Within Groups	437.67	177	2.47
Total	456.64	179	
F	3.84	Significant Beyond .05 Level	

Table XLVI

Summary : Analysis of Variance
Arts, Science and Commerce Students
SAM FACTOR VI

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Square
Between Groups	14.23	2	7.12
Within Groups	252.97	177	1.43
Total	267.20	179	
F	4.98	Significant Beyond .01 level	

Table XLVII

Summary : Analysis of Variance
Arts, Science and Commerce Students
SAM TOTAL

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Square
Between Groups	191.54	2	95.77
Within Groups	2654.59	177	14.99
Total	2846.12	179	
F	6.39	Significant Beyond .01 Level	

Table XLVIII

Summary : Analysis of Variance
Arts, Science and Commerce Students
MTAI

Source of Variation	Sum of Square	Degrees of Freedom	Mean Square
Between Groups	6422.31	2	3211.15
Within Groups	40475.69	177	228.68
Total	46898.00	179	
F	14.04	Significant Beyond .01 Level	