

**APPENDIX XIV**  
**SCORING KEYS FOR THE INSTRUMENTS USED**

**ACADEMIC ACHIEVEMENT**

**1. Science Achievement Test (SAT)**

1.	3	10.	1	19.	3	28.	3
2.	3	11.	3	20.	3	29.	2
3.	3	12.	1	21.	1	30.	2
4.	1	13.	1	22.	2	31.	3
5.	3	14.	2	23.	2	32.	1
6.	3	15.	3	24.	3	33.	2
7.	1	16.	3	25.	3	34.	2
8.	3	17.	2	26.	2	35.	3
9.	1	18.	3	27.	3		

**2. Mathematics Achievement Test (MAT)**

1.	1	11.	1	21.	2	31.	3
2.	2	12.	1	22.	3	32.	3
3.	1	13.	3	23.	2	33.	1
4.	3	14.	1	24.	3	34.	2
5.	2	15.	2	25.	2	35.	2
6.	3	16.	1	26.	3	36.	2
7.	2	17.	3	27.	3	37.	2
8.	1	18.	1	28.	3	38.	1
9.	2	19.	2	29.	3		
10.	3	20.	3	30.	3		

**Score for Academic Achievement = SAT score + MAT score**

3. Home Environment Scale

For first two areas - Educational facility and  
Emotional Climate in the home

The positive responses were coded by a score of '2'

The negative responses were coded by a score of '1'

For the other two areas - Parental opinion for education  
and Parental Encouragement to  
academic achievement

Scoring is as follows

Alternatives	Scoring
Not at all - Never	1
Seldom - Once a week	2
Occasionally - 2 or 3 times a week	3
Frequently - Alternate day	4
Always - Everyday	5

4. Classroom Climate Scale

Alternatives	Scoring for positive items	Scoring for negative items
Strongly feel -	4	0
Very Often feel -	3	1
Sometimes feel -	2	2
Rarely feel -	1	3
Never feel -	0	4

5. Classroom Trust Shedule - Score values

Situation No.	Response Alternatives			
	A	B	C	D
1	2	3	1	4
2	1	2	3	4
3	1	3	4	2
4	1	2	3	4
5	1	2	3	4
6	1	2	4	3
7	1	2	3	4
8	1	2	3	4
9	2	1	3	4
10	1	2	3	4
11	3	1	2	4
12	1	3	2	4
13	1	2	3	4
14	1	4	3	2
15	1	4	3	2

6. Peel. Inluence Scale

- Not at all - 0
- To some extent - 1
- To a great extent - 2

7. Standard Progressive Matrices

SI.No.	SET				
	A	B	C	D	E
1	4	2	8	3	7
2	5	6	2	4	6
3	1	1	3	3	8
4	2	2	8	7	2
5	6	1	7	8	1
6	3	3	4	6	5
7	6	5	5	5	1
8	2	6	1	4	6
9	1	4	7	1	3
10	3	3	6	2	2
11	4	4	1	5	4
12	5	5	2	6	5

## 8. Educational Aspiration Scale

### WEIGHTAGES ASSIGNED TO ITEMS IN EDUCATIONAL ASPIRATION SCALE

Sl.No.	Weightage	Educational Plan
1	(1)	To take up a job before appearing in the H.S.L.C. examination.
2	(2)	To take up a job immediately after passing H.S.L.C. Examination.
3	(3)	To take up a job with some vocational/ industrial training (I.I.T.)
4	(5)	To take up a job after taking a diploma in polytechnic/Engineering Institute.
5	(4)	To take up a job after secondary education and also complete graduation when opportunity comes.
6	(5)	To take up a job after completing graduation only.
7	(6)	To take up a job after completing graduation and also complete post-graduation when opportunity comes.
8	(7)	To take up a job after completing post-graduation
9	(8)	To take up a job after completion post-graduation and do Pg.D Simultaneously.
10	(9)	To take up a job only after completing Ph.D.

Sl.No.	Weightage	Educational Plan
11	(7)	To take up a job only after taking a degree in Law (LL.B)
12	(7)	To take up a job after taking a degree in Agriculture/ Veterinary Science (Agr.B.Sc./B.V.Sc.)
13	(8)	To take up a job after taking a degree in Medical Sc. (M.B.B.S.)
14	(9)	To take up a job after taking a higher degree in Medical Sc. (M.D/M.S./F.R.C.S. etc).
15	(8)	To take up a job after taking a degree in Engineering (B.E., B.Tech,)
16	(9)	To take up a job only after taking a higher degree in Engineering (M.Tech/Ph.D.).
17	(8)	To take up a job after completing C.A./M/B.A.
18	(-)	If any other (specify).....

9. Survey of Study Habits and Attitudes

STUDY HABITS

D.A.				W.M			
Sl.No.	Response	Sl.No.	Response	Sl.No.	Response	Sl.No.	Response
1	R S	61	R S	2	G A	62	R S
5	G A	65	G A	6	R S	66	R S
9	R S	69	R S	10	R S	70	G A
13	G A	73	G A	14	G A	74	R S
17	G A	77	R S	18	R S	78	G A
21	G A	81	R S	22	R S	82	R S
25	R S	85	G A	26	R S	86	R S
29	G A	89	G A	30	R S	90	G A
33	R S	93	G A	34	R S	94	R S
37	R S	97	G A	38	R S	98	R S
41	R S			42	R S		
45	R S			46	R S		
49	R S			50	R S		
53	R S			54	G A		
57	R S			58	G A		

## STUDY ATTITUDES

T.A.				E.A			
Sl.No.	Response	Sl.No.	Response	Sl.No.	Response	Sl.No.	Response
3	R S	55	R S	4	R S	56	R S
7	G A	59	R S	8	R S	60	R S
11	R S	63	R S	12	G A	64	R S
15	R S	67	R S	16	R S	68	R S
19	R S	71	R S	20	G A	72	G A
23	R S	75	R S	24	R S	76	R S
27	R S	79	R S	28	R S	80	R S
31	R S	83	R S	32	R S	84	R S
35	R S	87	R S	36	R S	88	R S
39	R S	91	R S	40	R S	92	R S
43	R S	95	R S	48	R S	96	R S
47	R S	99	R S	48	R S	100	R S
51	G A			52	G A		

S.H. = D.A. + W.M

S.A = T.A. + E.A

Study Orientation = SH + SA



10. Vocational Preference Inventory

Acquiescence Scale (Ac)

5,6,13,28,30,36,65,73,101,109,127.

Realistic Scale (R)

15,23,27,29,32,37,40,52,63,64,66,85,90,96,97,107,113,115,117,126.

Investigative Scale (I)

3,11,17,22,44,61,62,78,81,82,83,93,94,104,105,110,112,125,129,130.

Artistic Scale (A)

1,2,18,21,26,34,38,41,45,68,69,70,71,79,80,84,106,108,114.

Social Scale (S)

4,12,19,24,25,31,33,46,47,48,49,50,51,53,57,67,72,86,89,91.

Enterprising Scale (E)

7,9,10,20,35,39,42,43,55,56,59,74,77,88,95,100,102,103,123,128.

Conventional Scale (C)

8,14,16,54,58,60,75,76,87,92,98,99,111,116,118,119,120,121,122,124.