

APPENDIX 'B'

ATTITUDE SCALE

Roll No. _____

Name : _____

Attitude Towards Programmed Instruction

Following is a list of twentyfive statements expressing different attitudes towards Programmed Instruction as a method of teaching. Programmed Instruction is the method by which you have been studying the Course 505. We want to know what you feel about this method. Please read each statement carefully and then,

- (i) Put a tick (✓) if you agree with the statement.
- (ii) Put a cross (X) if you do not agree with the statement.

This is not an examination. There are no right or wrong answers to these statements. This is simply a study of students' attitudes towards this method. People differ in their opinions about this. Therefore, please, indicate your own attitude.

1. I feel I would have done much better in my earlier examinations if I had learnt through programmed instruction.
2. I would like to learn some other subjects also by this method.
3. Programmed instruction is certainly useless as there can be no learning without a teacher.
4. Learning from a programme is faster than learning from a lecture.

5. Programmed instruction helps only for memorising facts and not for thinking and understanding.
6. Like any other method it has some good points and also some limitations.
7. I feel certain subjects can be taught through programmed instruction satisfactorily and some other methods may be used for the remaining subjects.
8. Programmed instruction is the best solution for all problems of classroom teaching.
9. It takes too much time to learn through programmed instruction.
10. I am sure that every student can score maximum marks if he is taught through programmed instruction.
11. This method should never be adopted as there is no scope for student-teacher interaction in it.
12. I prefer to learn through a programme as ideas are presented in it always in small steps.
13. It is rather difficult to have a large number of good programmes which would be necessary if we have to teach through programmed instruction.
14. I enjoy answering questions at every step.
15. I would not prefer to take another course using a programme.
16. It takes very long to cover every topic through this programmed instruction method.

17. It is tiresome to write the answer every time and compare.
18. Like a textbook a programme gives some textual material, but it does not teach.
19. This method makes the students understand each step before proceeding to the next.
20. I like this method because I can correct my mistakes myself without being embarrassed by the teacher in front of other students.
21. Most students would learn better from lectures than from programmed instruction.
22. Programmed instruction may be a good method of teaching but I do not think we can afford to have it as it is very costly.
23. I think repetition of some ideas in different forms makes it easier to learn from a programme.
24. Even the best lecture cannot be so effective as programmed instruction for student's learning.
25. It is monotonous (uninteresting) to read through all the frames.

Primary Pool of Attitude Statements

1. I think a lot of students in other groups would like to be in this programmed instruction group.
2. I think it is waste of time to sit and listen to the teacher when we can learn on our own using a programme.
3. It is nice to sit and work independently.
4. I like learning through lecture rather than through programmed learning.
5. I think repetition of same ideas in different forms makes it easier to learn from a programme.
6. I would like to learn some other subjects also by this method.
7. It is boring because every small step is explained in too much detail.
8. I do not like this method as there is too much repetition of the same ideas in the programme.
9. Learning through small steps in the programme gives confidence to the students.
10. I like this method as it keeps me continuously active while learning.
11. I prefer to learn through a programme as ideas are always presented in it in small steps.
12. It is interesting to know immediately whether my answers are right or wrong.
13. It encourages me to read further as I find my answers right almost all the time.

14. This method makes the students understand each step before proceeding to the next.
15. It is tiresome to write the answer every time and compare.
16. It is boring as too many questions are asked in the programme.
17. I enjoy answering questions at every step.
18. I think learning from a programme is easier than learning from a lecture.
19. It is boring to me because questions asked in the programme are too simple.
20. I find it difficult to learn through this programmed instruction method.
21. I am happy that I can learn at my own speed.
22. Learning from a programme is faster than learning through a lecture.
23. It takes too much time to learn through programmed instruction.
24. Strictly following the sequence of frames given in the programme restricts my freedom of thinking.
25. It is monotonous (uninteresting) to readthrough all the frames.
26. Most students would learn better from lectures than from programmed instruction.
27. One can learn more from a programme than from a lecture.

28. I would not prefer to take another course using a programme.
29. I feel I would have done much better in my earlier examinations if I had learnt through programmed instruction.
30. I consider programmed instruction as the best method of teaching.
31. Programmed instruction is another farce.
32. Programmed instruction is certainly useless as there can be no learning without a teacher.
33. I like this method because I can correct my mistakes myself without being embarrassed by the teacher in front of other students.
34. I am sure that every student can score maximum marks if he is taught through programmed instruction.
35. I feel certain subjects can be taught through programmed instruction satisfactorily and some other methods may be used for the remaining subjects.
36. Programmed instruction is another good method of teaching.
37. Like any other method it has some good points and also some limitations.
38. To teach through programmed instruction is to blindly follow methods developed in other countries.
39. Programmed instruction may be suitable for some students and may not be for others.

40. It takes very long to cover every topic through this programmed instruction method.
41. Like a textbook a programme gives some textual material, but does not teach.
42. Programmed instruction is good as it trains the students for self-learning.
43. Even the best lecture cannot be so effective as programmed instruction for students' learning.
44. Teaching cannot be done in such a mechanical manner as through programmed instruction.
45. If we want to improve education we ought to teach through programmed instruction only.
46. Programmed instruction may be a good method of teaching but I do not think we can afford to have it as it is very costly.
47. There are several good methods of teaching; programmed instruction is just one of them.
48. Programmed instruction is good for those who have habits for independent study.
49. It is ridiculous to think that any real learning can take place at all by merely reading a programme.
50. It is rather difficult to have a large number of good programmes which would be necessary if we have to teach through programmed instruction.

51. Programmed instruction is the best solution for all problems of classroom instruction.
52. Teacher's gestures, changing pitch of voice while giving illustrations and such other things are essential for any good learning; but they are completely lacking in programmed instruction.
53. Programmed instruction helps only for memorising facts and not for thinking and understanding.
54. This method should never be adopted as there is no scope for student teacher interaction in it.
55. The main aim of education is to make the student self-dependent and programmed instruction is best suited for this purpose.

Scale Values and Q-Values of the Statements
in the Primary Pool

Sl.No.	Scale Value	Q-Value	Sl.No.	Scale Value	Q-Value
1	8.2	2.933	29	8.50	1.033
2	7.111	3.96	30	10.187	3.187
3	7.3	2.54	31	0.666	0.666
4	2.4	1.892	32	0.666	0.666
5	7.166	1.00	33	8.167	1.333
6	9.166	1.75	34	9.154	1.295
7	2.1	1.85	35	5.75	1.083
8	2.18	1.73	36	8.083	2.017
9	8.125	2.19	37	5.357	0.571
10	8.22	1.75	38	1.091	1.505
11	8.09	1.65	39	5.214	2.00
12	8.11	2.107	40	3.25	1.183
13	8.36	1.32	41	3.125	2.908
14	6.625	1.958	42	8.333	1.85
15	2.625	1.142	43	10.125	1.208
16	2.222	1.866	44	1.325	3.334
17	7.40	1.417	45	10.187	0.837
18	8.10	2.133	46	5.167	1.167
19	2.125	1.505	47	5.500	2.978
20	2.33	2.748	48	7.111	2.831
21	8.40	1.519	49	0.800	1.677
22	7.376	1.533	50	4.625	1.142
23	3.071	1.214	51	10.25	1.25
24	2.182	1.571	52	1.182	1.417
25	2.083	1.131	53	1.583	0.667
26	2.333	1.166	54	0.889	0.786
27	7.444	1.481	55	10.062	3.812
28	1.182	1.410			