

## APPENDIX - A

THE RESPONSE FREQUENCY AND THE MEAN VALUE OF EACH COMPETENCY

Sr. No.	Competencies	Most Important	Important	Least Important	Mean Value
<u>GROUP I : Competencies Related to Planning for Science Instruction</u>					
1.	Selecting content	30	20	0	2.6
2.	Organizing content	33	17	0	2.66
3.	Identifying and stating objectives	47	3	0	2.94
4.	Classifying objectives according to domains	30	20	0	2.6
5.	Selecting appropriate teaching methods	43	7	0	2.86
6.	Choosing teaching-aids	33	17	0	2.66
7.	Structuring ways of evaluation	24	23	3	2.42
<u>GROUP II : Competencies Related to Presentation of Lesson</u>					
8.	Introducing lesson and sustaining attention	33	17	0	2.66
9.	Using methods in teaching of science	27	20	3	2.48
10.	Explaining concepts and principles	50	0	0	3.00
11.	Asking Questions	40	7	3	2.74
12.	Increasing pupil participation	50	0	0	3.00
13.	Conducting lecture effectively	24	23	3	2.42
14.	Using chalkboard	37	13	0	2.74
15.	Demonstration	43	7	0	2.86
16.	Organizing and supervising field trips	17	33	0	2.34
17.	Giving homework and assignments	24	23	3	2.42
18.	Maintaining classroom discipline	23	17	0	2.66
19.	Closing the lesson	20	27	3	2.34

Sr. No.	Competencies	Most Important	Important	Least Important	Mean Value
<u>GROUP III : Competencies related to Develop Interest, Attitude and Values</u>					
20.	Develop students' interest towards science	27	20	3	2.48
21.	Develop Students' attitude towards science	17	23	10	2.14
22.	Develop students' values towards science	20	23	7	2.26
<u>GROUP IV : Competencies related to Equipment, Instruments, Chemicals and Teaching aids.</u>					
23.	Using equipment, instruments and Chemicals	37	13	0	2.74
24.	Using teaching-aids	33	14	3	2.60
<u>GROUP V : Competencies Related to Laboratory Procedure and Techniques</u>					
25.	Conducting laboratory activities	47	3	0	2.94
26.	Maintaining Safety in the	33	17	00	2.66
<u>GROUP VI : Competencies Related to Evaluation</u>					
27.	Developing different types of test items	44	3	3	2.82
28.	Classifying test items into domains	20	23	7	2.26
29.	Preparing results	50	0	0	3.00
30.	Using results	23	27	0	2.46

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Teaching Competency List

Dear Sir/Madam,

I have undertaken a Ph.D. research project on "Study of Teaching Competency of Secondary School Science Teachers of Dhaka City". For the success of my study, I need your co-operation. I assure you that the information to be furnished by you will be used for research purposes only and will be treated as confidential.

The attached list, contains the secondary school science teachers' teaching competencies. Please rate the attached list of competencies with tick mark (✓) in the appropriate column provided at the right side.

Thanking you,

Yours sincerely,

(Md. Delowar H. Shaikh)