

## Appendix - VI

### Observation Schedule

**Directions:** Observe the classroom environment, teacher behavior, Learner participation and interaction as the following given elements and mark according to their occurrences.

**Name of Pre-Service Teacher:**

**Name of Observer:**

**VO=Very Often, O=Often, SM=Sometimes, S=Seldom, N=Never**

Sr. No.	Elements observed	VO	O	SM	S	N
1	Teacher provides situations for the introduction of the lesson.					
2	Teacher introduces scientific ideas appropriate to content learning.					
3	Teacher uses the materials according to their interest.					
4	Teacher interacts with the learner					
5	Teacher carefully listens to students' ideas in order to help them to develop their skills.					
6	Teacher provides various situations related to subject of the study to get more reflections.					
7	Teacher suggests new things to look at and try, to encourage further experimentation and thinking.					
8	Teacher encourages student dialogue with related to Science.					
9	Teacher relates classroom discussions to social matters					
10	Teacher makes connection between content ideas					
11	Teacher possesses accurate information about content					
12	Teacher enquires about student's understandings of the concept before sharing their understandings of those concepts					

Sr. No.	Elements observed	VO	O	SM	S	N
13	Teacher seeks elaboration of student's initial responses					
14	Teacher considers students points of view in class they are discussing about the Science concepts.					
15	Teacher makes cooperative learning groups.					
16	Teacher used various websites related to the study for enhancement of knowledge					
17	Teacher demonstrated the experiments on various Science concepts.					
18	Teacher demonstrated experiments using virtual laboratories.					
19	Teacher uses animations to explain the experiments					
20	Teacher nurtures students' natural curiosity through use of the learning resources from internet					
21	Teacher posts the discussions on Science held in the class in the blogs.					
22	Teacher gives support and freedom to all students.					
23	Teacher interacts with all students in class while discussing concepts of Science					
24	Teacher makes the learners to interact with students through virtual media.					
25	Teacher provides situations, where in students can construct the knowledge and meaning better in Science.					
26	Teacher uses challenging examples to generate the debate in teaching sessions.					
27	Teacher takes feedback from all students about positive points of the teaching.					
28	Teacher takes feedback from all students about negative points of the teaching.					
29	Teacher provides learning resources and asks the students to go through it for further discussions.					
30	Teacher asks the learners to prepare power point presentations on the topic discussed.					
31	Teacher gave individual assignments.					
32	Teacher gave group project works.					

Sr. No.	Elements observed	VO	O	SM	S	N
33	Teacher made all the learners to think critically about any issue of Science.					
34	Teacher and students together made the class lively and active.					
35	Teacher assessed the learners throughout the class.					
36	Learners demonstrate a willingness to modify ideas.					
37	They respect individuals by considering their points of views					
38	Learners are asked to design a fair test as a way to try out their ideas, not expecting to be told what to do.					
39	Learners carry out investigations with careful observation					
40	Learners could infer the results of the experiments done.					
41	Learners asked to express ideas in a variety of ways like journals, reporting drawing, graphing, charting, etc.					
42	Learners interact with their peers about classroom learning.					
43	Learners exchange ideas among friends through e-mail, social networking sites and other web 2 technologies					
44	Learners offer explanations from knowledge gained as a result of ongoing investigation.					
45	Learners are using multiple strategies to address the problem.					
46	Learners use internet to get clarifications and satisfy their own questions					
47	Learners try to connect previously held ideas.					
48	Learners look forward to doing Science experiments.					
49	Learners demonstrate desire to learn more about internet and its usage					
50	Learners exhibit curiosity in observing the activities.					