LIST OF TABLES

٠

.

Table No.	TITLE OF THE TABLE	Page No.
1.1	Five field of study along with Minimum Levels of Learning	18
2.1	Quantitative distribution of the studies survey wise and theme wise	34
2.2	Level wise distribution of the studies	34
2.3	Area wise distributions of the studies covered in VI survey	35
2.4	Level wise distribution of the studies	35
3.1	Schedule of implementation of an instructional strategy	87
3.2	Description of the sample as per the objectives	91
3.3	Brief outline of the format for four stories	93
3.4	Chapter wise details of the questions	95
4.1	Outline of the instructional strategy	99
4.2	Predict observe explain as to which object will sink and which float along with the reason	120
5.1	Reading of all groups denoting distance at which bar magnet attracts the u pin	153
5.2	Readings taken by group one students for different positions of load arm keeping load constant	167
5.3	Readings taken by group two students for different positions of load arm keeping load constant	167
5.4	Readings taken by group three students for different positions of load arm keeping load constant	167
5.5	Readings taken by group four students for different positions of load arm keeping load constant	168
5.6	Readings taken by group five students for different positions of load arm keeping load constant	168
5.7	Readings taken by group six students for different positions of load arm keeping load constant	169
5.8	Readings taken by group seven students for different positions of load arm keeping load constant	169
5.9	Readings taken by group eight students for different positions of load arm keeping load constant	169
5.10	Percentage of students who measured the three dimension length, breadth and height of the given object correctly and incorrectly	170
5.11	Percentage of students who correctly measured mass of the given objects	171
5.12	Responses of the students in percentage on mirror images of alphabets	178
5.13	t value for experimental and control group for chapter measurement	180
5.14	t value for experimental and control group for chapter water	180
5.15	t value for experimental and control group for chapter reflection of light	181
5.16	t value for experimental and control group for chapter lever	182

5.17	t value for experimental and control group for chapter curved mirror	182
5.18	t value for experimental and control group for chapter motion, force and speed	183
5.19	t value for experimental and control group for all the six chapters	183
5.20	t value for experimental and control group for story thirsty crow	186
5.21	t value for experimental and control group for story foolish donkey and clever salt merchant	187
5.22	t value for experimental and control group for story cap seller and monkeys	188
5.23	t value for experimental and control group for story clever gardner	189

ť,

LIST OF FRAMES

Frame No.	TITLE OF THE FRAME	Page No.
5.1	Diagram of the magnetic field lines drawn by student one before carrying out experiment of obtaining magnetic field lines with a bar magnet and iron fillings	154
5.2	Diagram of magnetic field lines by student one after experimenting with iron fillings and bar magnet	154
5.3	Diagram of magnetic field lines by student two before and after experimenting with iron fillings and bar magnet.	155
5.4	Diagram of magnetic field lines by student three before and after experimenting with iron fillings and bar magnet	156
5.5	Diagram of magnetic field lines by student four before and after experimenting with iron fillings and bar magnet	156
5.6	Diagram of magnetic field lines by student five before and after experimenting with iron fillings and bar magnet	157
5.7	Diagram of magnetic field lines by student six before and after experimenting with iron fillings and bar magnet	158
5.8	Diagram of magnetic field lines by student seven before and after experimenting with iron fillings and bar magnet	158
5.9	Diagram of magnetic field lines by student eight before and after experimenting with iron fillings and bar magnet	159
5.10	Diagram of magnetic field lines by student nine before and after experimenting with iron fillings and bar magnet	159
5.11	One groups observation on opening a lid of the given container using two spoons	166

xi