

**STATE
LEARNING ACHIEVEMENT SURVEY**

FOR

CLASS-VIII

2015-16

**CONDUCTED BY:
STATE COUNCIL OF EDUCATIONAL RESEARCH
AND TRAINING (SCERT), ASSAM
KAHILIPARA, GUWAHATI-19**

IN COLLABORATION WITH

**AXOM SARBA SHIKSHA ABHIYAN MISSION
KAHILIPARA, GUWAHATI-19**

CONTENTS

1.	List of tables -----	i--ii
2.	List of Figure -----	iii
3.	Abbreviations-----	iv
4.	Preface-----	v
5.	Introduction-----	vi--x
6.	Executive Summary-----	xi--xvi
7.	Chapter-1 : Students learning in Language -----	1--16
8.	Chapter-2 : Students learning in Mathematics-----	17--31
9.	Chapter-3 : Students learning in Science-----	32--47
10.	Chapter-4 : Students learning in Social Science -----	48--62
11.	Chapter-5 : Distribution of students achievement level in Mathematics, Language, Science and Social Science-----	63--65
12.	Chapter-6 : Our schools, Students and Teachers-----	66--84

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CHAPTER--1

Students achievement in Language

Table 1.1 : Gender wise and Area wise Achievement in Language

Gender	Rural			Urban			t	Total		
	N	Mean %	SD	N	Mean %	SD		N	Mean %	SD
Boys	1826	59	13	622	58	14	129.86	2448	59	13
Girls	2376	58	13	693	56	14	138.11	3069	58	14
Total	4202	59	13	1315	57	14		5517	58	13
Mean Difference	34.71			33.45				34.41		
T	169.34			85.96				189.37		

It is seen from the table 1.1 that the mean achievement percentage of students in mathematics is 58% where as mean achievement percentage in the subject for boys and girls are 59% and 58% respectively. As reflected in the table there is no significant difference in achievement between the student of rural and urban area. However girls of rural area also have done slightly better than that of urban area.

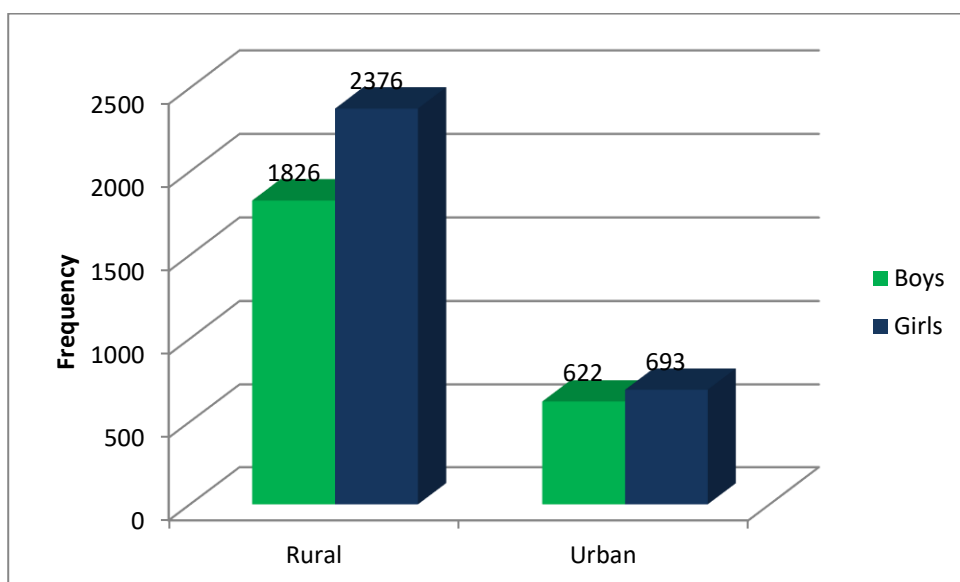


Fig : 1 Graph showing Gender wise and Area wise Achievement in Language

Table 1.2 : District wise and Gender wise Achievement in Language

Districts	Boys			Girls			t	Total			Rank
	N	Mean %	SD	N	Mean %	SD		N	Mean%	SD	
Chirang	99	68	10	101	66	11	52.87	200	67	11	3
Darrang	150	66	11	142	61	13	53.41	292	63	12	7
Dhubri	210	64	11	259	66	9	82.64	469	65	10	4
Dibrugarh	172	59	13	260	59	13	55.18	432	59	13	9
Goalpara	192	38	10	252	42	11	49.58	444	40	10	13
Golaghat	134	24	3	276	24	4	76.84	410	24	4	14
Jorhat	209	73	9	212	69	11	83.62	421	71	10	2
Kamrup	234	66	12	263	63	12	69.42	497	64	12	5
Karbi-Anglong	201	53	13	235	54	12	51.13	436	54	13	12
Kokrajhar	168	54	10	161	65	12	54.54	329	59	12	9
Lakhimpur	195	64	11	263	63	13	66.91	458	64	12	5
Morigaon	120	73	10	174	71	12	67.29	294	72	11	1
Nalbari	123	53	16	172	60	15	37.08	295	57	16	11
Sonitpur	241	64	11	299	62	12	77.48	540	63	11	7

From table 1.2 it is seen that achievement level of the students of Morigaon district in language is highest with 72% and the lowest in Karbi-Anglong district with 24%. However achievement level of boy's and girl's is lowest in Golaghat and highest in

Morigaon for girl’s with 71% and for boy’s it is in Marigaon and Jorhat with 73%. Gender wise as a whole there is no significant difference in mean achievement.

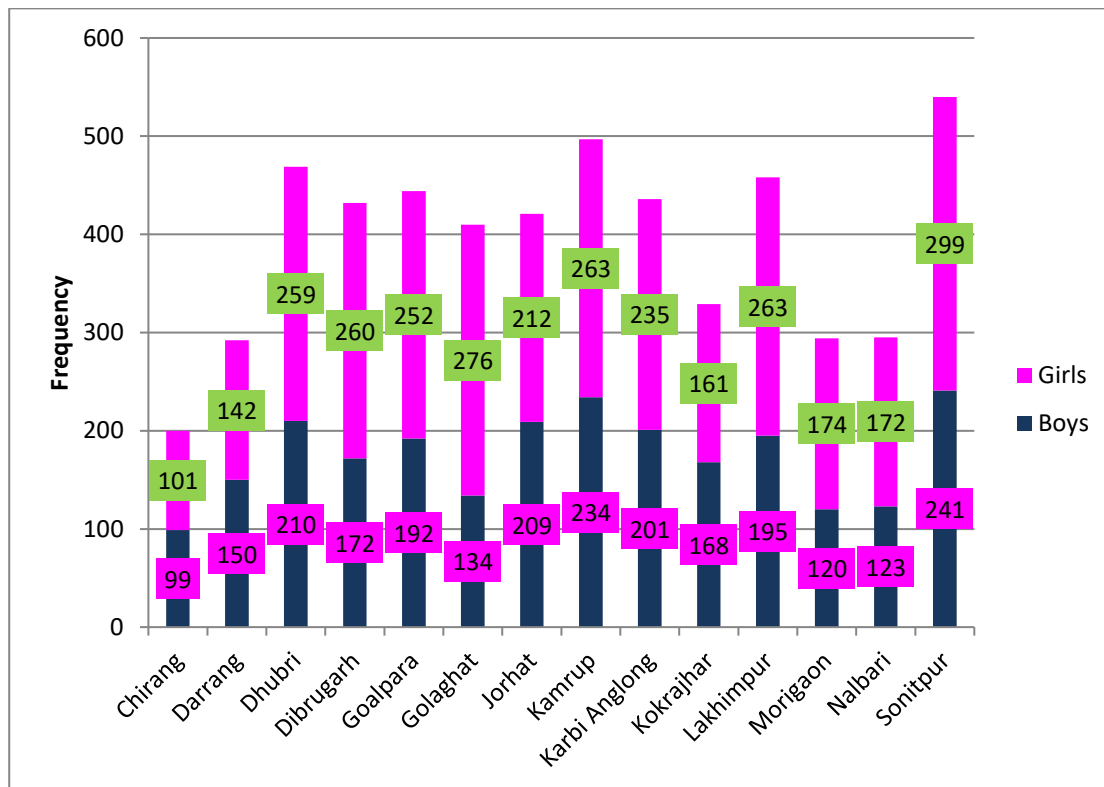


Fig : 2 Showing District wise and Gender wise Achievement in Language

Table 1.3: District wise and Area wise Achievement in Language

Districts	Rural			Urban			t	Total			Rank
	N	Mean %	SD	N	Mean %	SD		N	Mean %	SD	
Chirang	152	67	10	48	64	13	52.87	200	67	11	3
Darrang	230	64	12	62	62	13	53.41	292	63	12	7
Dhubri	330	67	8	139	59	13	82.64	469	65	10	4
Dibrugarh	390	57	13	42	74	7	55.18	432	59	13	9
Goalpara	372	41	10	72	38	9	49.58	444	40	10	13
Golaghat	315	24	4	95	24	3	76.84	410	24	4	14
Jorhat	322	71	11	99	73	9	83.62	421	71	10	2
Kamrup	378	65	11	119	61	14	69.42	497	64	12	5
Karbi-Anglong	263	58	13	173	47	12	51.13	436	54	13	12

Districts	Rural			Urban			t	Total			Rank
	N	Mean %	SD	N	Mean %	SD		N	Mean %	SD	
Chirang	152	67	10	48	64	13	52.87	200	67	11	3
Darrang	230	64	12	62	62	13	53.41	292	63	12	7
Dhubri	330	67	8	139	59	13	82.64	469	65	10	4
Dibrugarh	390	57	13	42	74	7	55.18	432	59	13	9
Goalpara	372	41	10	72	38	9	49.58	444	40	10	13
Golaghat	315	24	4	95	24	3	76.84	410	24	4	14
Kokrajhar	270	62	11	59	48	10	54.54	329	59	12	9
Lakhimpur	344	64	11	114	64	15	66.91	458	64	12	5
Morigaon	219	72	10	75	70	13	67.29	294	72	11	1
Nalbari	208	55	16	87	61	15	37.08	295	57	16	11
Sonitpur	409	64	11	131	59	12	77.48	540	63	11	7
Total	4202	59	13	1315	57	14	189.37	5517	58	13	

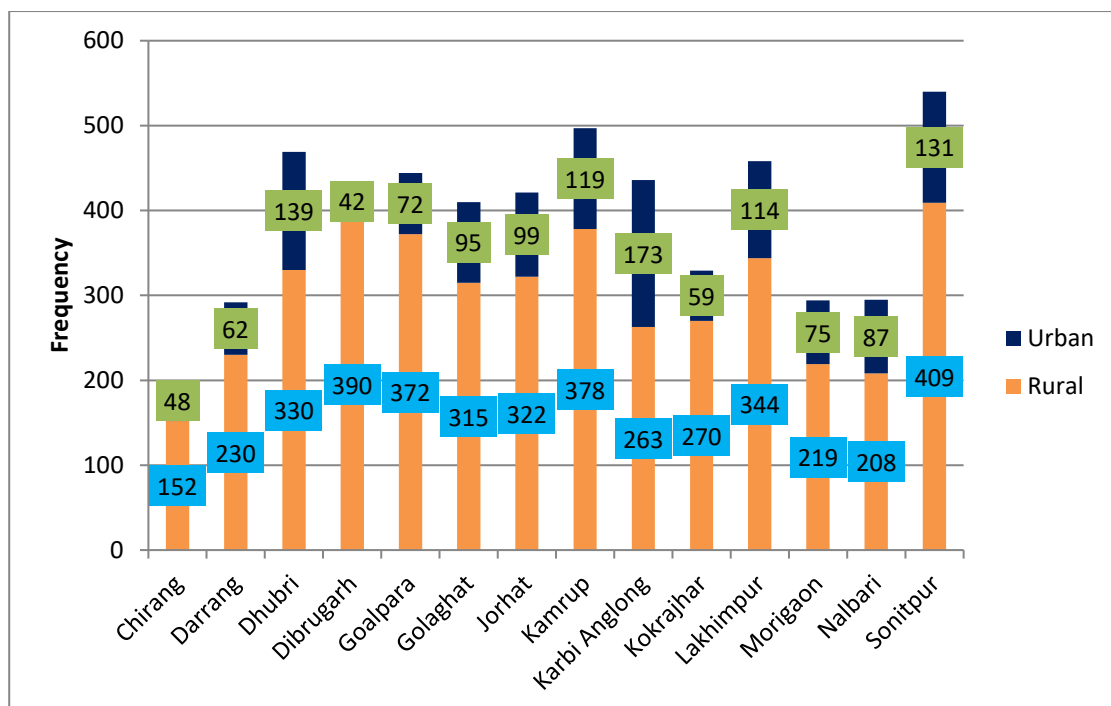


Fig : 3 Showing District wise and Area wise Achievement in Language

Table 1.3 shows that there is no significant difference between rural and urban student's achievement. There is only 2% difference in mean percentage of achievement. The mean percentage of achievement of rural students is 59% and urban students is 57%. Achievement of rural students is highest in Marigaon districts with 72% and lowest in Golaghat district with 24%. Again achievement of urban students is also lowest in Golaghat district with 24% and highest in Dibrugarh with 74%

Table 1.2.1: Area wise and Question wise number of correct Responses in Language
SET-11

Serial No. of Questions	Rural		Urban		Total	
	N	%	N	%	N	%
Q1	944	44.2	280	43.0	1224	43.9
Q2	1030	48.3	321	49.3	1351	48.5
Q3	820	38.4	229	35.2	1049	37.7
Q4	1168	54.7	339	52.1	1507	54.1
Q5	1302	61.0	374	57.5	1676	60.2
Q6	703	32.9	213	32.7	916	32.9
Q7	1441	67.5	412	63.3	1853	66.5
Q8	1597	74.8	469	72.0	2066	74.2
Q9	1383	64.8	347	53.3	1730	62.1
Q10	1357	63.6	384	59.0	1741	62.5
Q11	1537	72.0	461	70.8	1998	71.7
Q12	1372	64.3	409	62.8	1781	63.9
Q13	1271	59.6	384	59.0	1655	59.4
Q14	1268	59.4	369	56.7	1637	58.8
Q15	1360	63.7	383	58.8	1743	62.6
Q16	1705	79.9	514	79.0	2219	79.7
Q17	1514	70.9	439	67.4	1953	70.1
Q18	1527	71.6	460	70.7	1987	71.3
Q19	1538	72.1	463	71.1	2001	71.8
Q20	1543	72.3	453	69.6	1996	71.7
Q21	1615	75.7	494	75.9	2109	75.7
Q22	1659	77.7	489	75.1	2148	77.1
Q23	1107	51.9	312	47.9	1419	51.0

Q24	915	42.9	261	40.1	1176	42.2
Q25	827	38.8	247	37.9	1074	38.6
Q26	1319	61.8	398	61.1	1717	61.7
Q27	726	34.0	157	24.1	883	31.7
Q28	1577	73.9	485	74.5	2062	74.0
Q29	1563	73.2	446	68.5	2009	72.1
Q30	1121	52.5	331	50.8	1452	52.1
Q31	1563	73.2	436	67.0	1999	71.8
Q32	389	18.2	136	20.9	525	18.9
Q33	659	30.9	190	29.2	849	30.5
Q34	1246	58.4	371	57.0	1617	58.1
Q35	1536	72.0	429	65.9	1965	70.6
Q36	1161	54.4	330	50.7	1491	53.5
Q37	1455	68.2	418	64.2	1873	67.3
Q38	1201	56.3	357	54.8	1558	55.9
Q39	1216	57.0	348	53.5	1564	56.2
Q40	1072	50.2	317	48.7	1389	49.9
Q41	1128	52.9	352	54.1	1480	53.1
Q42	1597	74.8	455	69.9	2052	73.7
Q43	1582	74.1	448	68.8	2030	72.9
Q44	1556	72.9	451	69.3	2007	72.1
Q45	965	45.2	268	41.2	1233	44.3
Q46	1470	68.9	415	63.7	1885	67.7
Q47	1556	72.9	461	70.8	2017	72.4
Q48	1558	73.0	466	71.6	2024	72.7
Q49	1253	58.7	373	57.3	1626	58.4
Q50	1285	60.2	378	58.1	1663	59.7
Q51	862	40.4	239	36.7	1101	39.5
Q52	1474	69.1	422	64.8	1896	68.1
Q53	1190	55.8	349	53.6	1539	55.3
Q54	1590	74.5	472	72.5	2062	74.0
Q55	1386	64.9	377	57.9	1763	63.3
Q56	627	29.4	181	27.8	808	29.0

Q57	718	33.6	185	28.4	903	32.4
Q58	909	42.6	255	39.2	1164	41.8
Q59	749	35.1	224	34.4	973	34.9
Total Students	2134		651		2785	

SET-12

Serial No. of Questions	Rural		Urban		Total	
	N	%	N	%	N	%
Q1	1471	71.1	440	66.3	1911	69.9
Q2	1373	66.4	430	64.8	1803	66.0
Q3	1329	64.3	402	60.5	1731	63.4
Q4	624	30.2	199	30.0	823	30.1
Q5	837	40.5	302	45.5	1139	41.7
Q6	1567	75.8	484	72.9	2051	75.1
Q7	1270	61.4	424	63.9	1694	62.0
Q8	1397	67.6	451	67.9	1848	67.6
Q9	755	36.5	273	41.1	1028	37.6
Q10	1514	73.2	455	68.5	1969	72.1
Q11	1378	66.6	419	63.1	1797	65.8
Q12	1307	63.2	396	59.6	1703	62.3
Q13	1131	54.7	309	46.5	1440	52.7
Q14	1062	51.4	360	54.2	1422	52.0
Q15	1300	62.9	393	59.2	1693	62.0
Q16	1214	58.7	351	52.9	1565	57.3
Q17	1067	51.6	329	49.5	1396	51.1
Q18	1455	70.4	466	70.2	1921	70.3
Q19	1593	77.0	484	72.9	2077	76.0
Q20	1346	65.1	407	61.3	1753	64.2
Q21	1281	61.9	425	64.0	1706	62.4
Q22	1190	57.5	361	54.4	1551	56.8
Q23	1253	60.6	389	58.6	1642	60.1
Q24	1604	77.6	508	76.5	2112	77.3
Q25	1447	70.0	470	70.8	1917	70.2
Q26	1489	72.0	480	72.3	1969	72.1

Q27	1427	69.0	464	69.9	1891	69.2
Q28	1654	80.0	499	75.2	2153	78.8
Q29	1532	74.1	493	74.2	2025	74.1
Q30	1594	77.1	510	76.8	2104	77.0
Q31	1044	50.5	309	46.5	1353	49.5
Q32	866	41.9	291	43.8	1157	42.3
Q33	724	35.0	261	39.3	985	36.1
Q34	1353	65.4	412	62.0	1765	64.6
Q35	675	32.6	149	22.4	824	30.2
Q36	1373	66.4	406	61.1	1779	65.1
Q37	1486	71.9	435	65.5	1921	70.3
Q38	1065	51.5	361	54.4	1426	52.2
Q39	1461	70.6	453	68.2	1914	70.1
Q40	1427	69.0	438	66.0	1865	68.3
Q41	1043	50.4	339	51.1	1382	50.6
Q42	1188	57.4	376	56.6	1564	57.2
Q43	1224	59.2	391	58.9	1615	59.1
Q44	1295	62.6	397	59.8	1692	61.9
Q45	923	44.6	301	45.3	1224	44.8
Q46	1138	55.0	321	48.3	1459	53.4
Q47	710	34.3	230	34.6	940	34.4
Q48	1074	51.9	359	54.1	1433	52.5
Q49	836	40.4	281	42.3	1117	40.9
Q50	1248	60.3	375	56.5	1623	59.4
Q51	329	15.9	113	17.0	442	16.2
Q52	1468	71.0	462	69.6	1930	70.6
Q53	1415	68.4	451	67.9	1866	68.3
Q54	1215	58.8	398	59.9	1613	59.0
Q55	1335	64.6	434	65.4	1769	64.8
Q56	1474	71.3	456	68.7	1930	70.6
Q57	164	7.9	45	6.8	209	7.7
Q58	1587	76.7	480	72.3	2067	75.7
Q59	1485	71.8	465	70.0	1950	71.4
Total Students	2068		664		2732	

Different questions have got different competencies which are incorporated in the Text Books. Table 1.2.1 which includes sets 11 and 12 shows the type of questions that are answered correctly by the students of both rural and urban area. This gives an insight into the achievement level of students in terms of competencies acquired by them in Language.

Table 1.2.2 : Gender and question wise number of correct Response in Language

SET-11

Serial No. of Questions	Boys		Girls		Total	
	N	%	N	%	N	%
Q1	569	45.5	655	42.7	1224	43.9
Q2	599	47.9	752	49.0	1351	48.5
Q3	472	37.7	577	37.6	1049	37.7
Q4	703	56.2	804	52.4	1507	54.1
Q5	792	63.3	884	57.6	1676	60.2
Q6	394	31.5	522	34.0	916	32.9
Q7	867	69.3	986	64.3	1853	66.5
Q8	904	72.3	1162	75.7	2066	74.2
Q9	782	62.5	948	61.8	1730	62.1
Q10	771	61.6	970	63.2	1741	62.5
Q11	898	71.8	1100	71.7	1998	71.7
Q12	825	65.9	956	62.3	1781	63.9
Q13	740	59.2	915	59.6	1655	59.4
Q14	758	60.6	879	57.3	1637	58.8
Q15	792	63.3	951	62.0	1743	62.6
Q16	1019	81.5	1200	78.2	2219	79.7
Q17	891	71.2	1062	69.2	1953	70.1
Q18	919	73.5	1068	69.6	1987	71.3
Q19	928	74.2	1073	69.9	2001	71.8
Q20	920	73.5	1076	70.1	1996	71.7
Q21	965	77.1	1144	74.6	2109	75.7

Q22	969	77.5	1179	76.9	2148	77.1
Q23	658	52.6	761	49.6	1419	51.0
Q24	542	43.3	634	41.3	1176	42.2
Q25	476	38.0	598	39.0	1074	38.6
Q26	787	62.9	930	60.6	1717	61.7
Q27	362	28.9	521	34.0	883	31.7
Q28	914	73.1	1148	74.8	2062	74.0
Q29	908	72.6	1101	71.8	2009	72.1
Q30	644	51.5	808	52.7	1452	52.1
Q31	894	71.5	1105	72.0	1999	71.8
Q32	241	19.3	284	18.5	525	18.9
Q33	388	31.0	461	30.1	849	30.5
Q34	716	57.2	901	58.7	1617	58.1
Q35	884	70.7	1081	70.5	1965	70.6
Q36	672	53.7	819	53.4	1491	53.5
Q37	845	67.5	1028	67.0	1873	67.3
Q38	701	56.0	857	55.9	1558	55.9
Q39	730	58.4	834	54.4	1564	56.2
Q40	612	48.9	777	50.7	1389	49.9
Q41	664	53.1	816	53.2	1480	53.1
Q42	945	75.5	1107	72.2	2052	73.7
Q43	917	73.3	1113	72.6	2030	72.9
Q44	935	74.7	1072	69.9	2007	72.1
Q45	538	43.0	695	45.3	1233	44.3
Q46	865	69.1	1020	66.5	1885	67.7
Q47	901	72.0	1116	72.8	2017	72.4
Q48	909	72.7	1115	72.7	2024	72.7
Q49	728	58.2	898	58.5	1626	58.4
Q50	735	58.8	928	60.5	1663	59.7
Q51	477	38.1	624	40.7	1101	39.5
Q52	846	67.6	1050	68.4	1896	68.1
Q53	682	54.5	857	55.9	1539	55.3

Q54	944	75.5	1118	72.9	2062	74.0
Q55	822	65.7	941	61.3	1763	63.3
Q56	334	26.7	474	30.9	808	29.0
Q57	406	32.5	497	32.4	903	32.4
Q58	506	40.4	658	42.9	1164	41.8
Q59	428	34.2	545	35.5	973	34.9
Total Students	1251		1534		2785	

SET--12

Serial No. of Questions	Boys		Girls		Total	
	N	%	N	%	N	%
Q1	860	71.8	1051	68.5	1911	69.9
Q2	809	67.6	994	64.8	1803	66.0
Q3	784	65.5	947	61.7	1731	63.4
Q4	340	28.4	483	31.5	823	30.1
Q5	498	41.6	641	41.8	1139	41.7
Q6	917	76.6	1134	73.9	2051	75.1
Q7	791	66.1	903	58.8	1694	62.0
Q8	832	69.5	1016	66.2	1848	67.6
Q9	467	39.0	561	36.5	1028	37.6
Q10	871	72.8	1098	71.5	1969	72.1
Q11	814	68.0	983	64.0	1797	65.8
Q12	743	62.1	960	62.5	1703	62.3
Q13	671	56.1	769	50.1	1440	52.7
Q14	643	53.7	779	50.7	1422	52.0
Q15	732	61.2	961	62.6	1693	62.0
Q16	689	57.6	876	57.1	1565	57.3
Q17	636	53.1	760	49.5	1396	51.1
Q18	848	70.8	1073	69.9	1921	70.3
Q19	932	77.9	1145	74.6	2077	76.0
Q20	792	66.2	961	62.6	1753	64.2
Q21	757	63.2	949	61.8	1706	62.4

Q22	668	55.8	883	57.5	1551	56.8
Q23	728	60.8	914	59.5	1642	60.1
Q24	945	78.9	1167	76.0	2112	77.3
Q25	855	71.4	1062	69.2	1917	70.2
Q26	885	73.9	1084	70.6	1969	72.1
Q27	857	71.6	1034	67.4	1891	69.2
Q28	963	80.5	1190	77.5	2153	78.8
Q29	908	75.9	1117	72.8	2025	74.1
Q30	950	79.4	1154	75.2	2104	77.0
Q31	656	54.8	697	45.4	1353	49.5
Q32	511	42.7	646	42.1	1157	42.3
Q33	453	37.8	532	34.7	985	36.1
Q34	820	68.5	945	61.6	1765	64.6
Q35	350	29.2	474	30.9	824	30.2
Q36	769	64.2	1010	65.8	1779	65.1
Q37	840	70.2	1081	70.4	1921	70.3
Q38	611	51.0	815	53.1	1426	52.2
Q39	856	71.5	1058	68.9	1914	70.1
Q40	833	69.6	1032	67.2	1865	68.3
Q41	635	53.0	747	48.7	1382	50.6
Q42	686	57.3	878	57.2	1564	57.2
Q43	706	59.0	909	59.2	1615	59.1
Q44	749	62.6	943	61.4	1692	61.9
Q45	557	46.5	667	43.5	1224	44.8
Q46	629	52.5	830	54.1	1459	53.4
Q47	404	33.8	536	34.9	940	34.4
Q48	644	53.8	789	51.4	1433	52.5
Q49	481	40.2	636	41.4	1117	40.9
Q50	709	59.2	914	59.5	1623	59.4
Q51	178	14.9	264	17.2	442	16.2
Q52	861	71.9	1069	69.6	1930	70.6
Q53	810	67.7	1056	68.8	1866	68.3
Q54	729	60.9	884	57.6	1613	59.0
Q55	778	65.0	991	64.6	1769	64.8
Q56	881	73.6	1049	68.3	1930	70.6

Q57	77	6.4	132	8.6	209	7.7
Q58	897	74.9	1170	76.2	2067	75.7
Q59	875	73.1	1075	70.0	1950	71.4
Total Students	1197		1535		2732	

Table 1.2.2 which includes sets 11 and 12 shows the type of questions that are answered correctly by both boys and girls. This gives an insight into the achievement level of students in terms of competencies acquired by them in Language.

Table 1.2.3 : Response Analysis for all items of Language

SET-11

Items	0		1		2		3		4		5		Total
	N	%	N	%	N	%	N	%	N	%	N	%	
Q1	83	3.00	406	14.60	652	23.40	367	13.20	1224	43.90	53	1.90	2785
Q2	102	3.70	674	24.20	1351	48.50	291	10.40	315	11.30	52	1.90	2785
Q3	59	2.10	273	9.80	1049	37.70	939	33.70	412	14.80	53	1.90	2785
Q4	68	2.40	469	16.80	474	17.00	1507	54.10	236	8.50	31	1.10	2785
Q5	64	2.30	382	13.70	478	17.20	152	5.50	1676	60.20	33	1.20	2785
Q6	140	5.00	727	26.10	439	15.80	535	19.20	916	32.90	28	1.00	2785
Q7	33	1.20	172	6.20	1853	66.50	507	18.20	194	7.00	26	0.90	2785
Q8	61	2.20	144	5.20	2066	74.20	261	9.40	239	8.60	14	0.50	2785
Q9	37	1.30	374	13.40	227	8.20	1730	62.10	386	13.90	31	1.10	2785
Q10	53	1.90	290	10.40	261	9.40	429	15.40	1741	62.50	11	0.40	2785
Q11	65	2.30	1998	71.70	263	9.40	205	7.40	231	8.30	23	0.80	2785
Q12	94	3.40	212	7.60	473	17.00	1781	63.90	195	7.00	30	1.10	2785
Q13	118	4.20	409	14.70	217	7.80	364	13.10	1655	59.40	22	0.80	2785
Q14	120	4.30	304	10.90	1637	58.80	439	15.80	269	9.70	16	0.60	2785
Q15	66	2.40	541	19.40	217	7.80	1743	62.60	185	6.60	33	1.20	2785
Q16	74	2.70	133	4.80	167	6.00	176	6.30	2219	79.70	16	0.60	2785
Q17	44	1.60	315	11.30	337	12.10	106	3.80	1953	70.10	30	1.10	2785
Q18	40	1.40	290	10.40	1987	71.30	318	11.40	133	4.80	17	0.60	2785
Q19	52	1.90	2001	71.80	278	10.00	183	6.60	241	8.70	30	1.10	2785

Q20	49	1.80	212	7.60	1996	71.70	323	11.60	177	6.40	28	1.00	2785
Q21	40	1.40	199	7.10	138	5.00	269	9.70	2109	75.70	30	1.10	2785
Q22	47	1.70	200	7.20	209	7.50	2148	77.10	171	6.10	10	0.40	2785
Q23	75	2.70	1419	51.00	226	8.10	617	22.20	426	15.30	22	0.80	2785
Q24	44	1.60	291	10.40	1176	42.20	690	24.80	548	19.70	36	1.30	2785
Q25	57	2.00	1074	38.60	192	6.90	491	17.60	950	34.10	21	0.80	2785
Q26	52	1.90	415	14.90	360	12.90	224	8.00	1717	61.70	17	0.60	2785
Q27	143	5.10	604	21.70	682	24.50	883	31.70	448	16.10	25	0.90	2785
Q28	69	2.50	257	9.20	2062	74.00	212	7.60	167	6.00	18	0.60	2785
Q29	36	1.30	282	10.10	163	5.90	2009	72.10	277	9.90	18	0.60	2785
Q30	90	3.20	1452	52.10	172	6.20	907	32.60	151	5.40	13	0.50	2785
Q31	29	1.00	313	11.20	271	9.70	158	5.70	1999	71.80	15	0.50	2785
Q32	97	3.50	525	18.90	372	13.40	460	16.50	1315	47.20	16	0.60	2785
Q33	93	3.30	300	10.80	227	8.20	849	30.50	1300	46.70	16	0.60	2785
Q34	110	3.90	560	20.10	201	7.20	275	9.90	1617	58.10	22	0.80	2785
Q35	88	3.20	316	11.30	1965	70.60	194	7.00	209	7.50	13	0.50	2785
Q36	120	4.30	267	9.60	483	17.30	1491	53.50	411	14.80	13	0.50	2785
Q37	43	1.50	400	14.40	1873	67.30	317	11.40	136	4.90	16	0.60	2785
Q38	72	2.60	501	18.00	397	14.30	1558	55.90	241	8.70	16	0.60	2785
Q39	157	5.60	527	18.90	247	8.90	1564	56.20	260	9.30	30	1.10	2785
Q40	103	3.70	366	13.10	389	14.00	1389	49.90	518	18.60	20	0.70	2785
Q41	117	4.20	388	13.90	426	15.30	1480	53.10	359	12.90	15	0.50	2785
Q42	58	2.10	284	10.20	2052	73.70	235	8.40	144	5.20	12	0.40	2785
Q43	69	2.50	116	4.20	223	8.00	2030	72.90	337	12.10	10	0.40	2785
Q44	94	3.40	227	8.20	313	11.20	2007	72.10	137	4.90	7	0.30	2785
Q45	111	4.00	1233	44.30	765	27.50	315	11.30	339	12.20	22	0.80	2785
Q46	82	2.90	202	7.30	414	14.90	1885	67.70	190	6.80	12	0.40	2785
Q47	73	2.60	199	7.10	2017	72.40	300	10.80	181	6.50	15	0.50	2785
Q48	75	2.70	306	11.00	206	7.40	2024	72.70	160	5.70	14	0.50	2785
Q49	102	3.70	1626	58.40	257	9.20	162	5.80	618	22.20	20	0.70	2785
Q50	90	3.20	245	8.80	636	22.80	1663	59.70	133	4.80	18	0.60	2785

Q51	98	3.50	1108	39.80	255	9.20	1101	39.50	200	7.20	23	0.80	2785
Q52	112	4.00	1896	68.10	282	10.10	300	10.80	181	6.50	14	0.50	2785
Q53	88	3.20	365	13.10	555	19.90	220	7.90	1539	55.30	18	0.60	2785
Q54	94	3.40	298	10.70	2062	74.00	123	4.40	203	7.30	5	0.20	2785
Q55	134	4.80	1763	63.30	397	14.30	206	7.40	273	9.80	12	0.40	2785
Q56	112	4.00	900	32.30	808	29.00	558	20.00	387	13.90	20	0.70	2785
Q57	112	4.00	350	12.60	1030	37.00	903	32.40	375	13.50	15	0.50	2785
Q58	170	6.10	582	20.90	1164	41.80	256	9.20	587	21.10	26	0.90	2785
Q59	100	3.60	973	34.90	827	29.70	529	19.00	320	11.50	36	1.30	2785

SET-12

Items	0		1		2		3		4		5		Total
	N	%	N	%	N	%	N	%	N	%	N	%	
Q1	54	2.00	335	12.30	1911	69.90	130	4.80	285	10.40	17	0.60	2732
Q2	100	3.70	1803	66.00	590	21.60	124	4.50	102	3.70	13	0.50	2732
Q3	76	2.80	394	14.40	343	12.60	1731	63.40	169	6.20	19	0.70	2732
Q4	93	3.40	823	30.10	899	32.90	303	11.10	584	21.40	30	1.10	2732
Q5	153	5.60	673	24.60	1139	41.70	237	8.70	503	18.40	27	1.00	2732
Q6	63	2.30	188	6.90	277	10.10	2051	75.10	138	5.10	15	0.50	2732
Q7	52	1.90	147	5.40	590	21.60	223	8.20	1694	62.00	26	1.00	2732
Q8	63	2.30	274	10.00	1848	67.60	191	7.00	336	12.30	20	0.70	2732
Q9	41	1.50	1028	37.60	484	17.70	376	13.80	764	28.00	39	1.40	2732
Q10	69	2.50	138	5.10	250	9.20	1969	72.10	292	10.70	14	0.50	2732
Q11	29	1.10	591	21.60	1797	65.80	157	5.70	119	4.40	39	1.40	2732
Q12	40	1.50	393	14.40	382	14.00	1703	62.30	181	6.60	33	1.20	2732
Q13	129	4.70	505	18.50	234	8.60	1440	52.70	396	14.50	28	1.00	2732
Q14	77	2.80	396	14.50	435	15.90	1422	52.00	376	13.80	26	1.00	2732
Q15	86	3.10	354	13.00	344	12.60	1693	62.00	229	8.40	26	1.00	2732
Q16	186	6.80	429	15.70	311	11.40	218	8.00	1565	57.30	23	0.80	2732
Q17	133	4.90	609	22.30	1396	51.10	230	8.40	341	12.50	23	0.80	2732
Q18	88	3.20	212	7.80	344	12.60	1921	70.30	150	5.50	17	0.60	2732
Q19	77	2.80	2077	76.00	225	8.20	170	6.20	172	6.30	11	0.40	2732

Q20	138	5.10	187	6.80	507	18.60	1753	64.20	131	4.80	16	0.60	2732
Q21	134	4.90	378	13.80	156	5.70	344	12.60	1706	62.40	14	0.50	2732
Q22	129	4.70	289	10.60	1551	56.80	455	16.70	282	10.30	26	1.00	2732
Q23	91	3.30	577	21.10	241	8.80	1642	60.10	164	6.00	17	0.60	2732
Q24	49	1.80	182	6.70	160	5.90	179	6.60	2112	77.30	50	1.80	2732
Q25	41	1.50	368	13.50	189	6.90	187	6.80	1917	70.20	30	1.10	2732
Q26	42	1.50	288	10.50	1969	72.10	165	6.00	248	9.10	20	0.70	2732
Q27	53	1.90	1891	69.20	358	13.10	232	8.50	177	6.50	21	0.80	2732
Q28	50	1.80	154	5.60	2153	78.80	134	4.90	231	8.50	10	0.40	2732
Q29	39	1.40	167	6.10	146	5.30	342	12.50	2025	74.10	13	0.50	2732
Q30	74	2.70	210	7.70	164	6.00	2104	77.00	174	6.40	6	0.20	2732
Q31	71	2.60	1353	49.50	249	9.10	491	18.00	535	19.60	33	1.20	2732
Q32	63	2.30	342	12.50	1157	42.30	690	25.30	453	16.60	27	1.00	2732
Q33	59	2.20	985	36.10	196	7.20	573	21.00	891	32.60	28	1.00	2732
Q34	48	1.80	398	14.60	261	9.60	236	8.60	1765	64.60	24	0.90	2732
Q35	160	5.90	437	16.00	808	29.60	824	30.20	479	17.50	24	0.90	2732
Q36	83	3.00	316	11.60	1779	65.10	367	13.40	169	6.20	18	0.70	2732
Q37	41	1.50	303	11.10	303	11.10	1921	70.30	150	5.50	14	0.50	2732
Q38	74	2.70	1426	52.20	342	12.50	785	28.70	82	3.00	23	0.80	2732
Q39	118	4.30	316	11.60	258	9.40	1914	70.10	118	4.30	8	0.30	2732
Q40	51	1.90	254	9.30	1865	68.30	312	11.40	237	8.70	13	0.50	2732
Q41	97	3.60	424	15.50	251	9.20	558	20.40	1382	50.60	20	0.70	2732
Q42	87	3.20	1564	57.20	468	17.10	283	10.40	308	11.30	22	0.80	2732
Q43	69	2.50	260	9.50	428	15.70	347	12.70	1615	59.10	13	0.50	2732
Q44	90	3.30	207	7.60	1692	61.90	548	20.10	188	6.90	7	0.30	2732
Q45	97	3.60	515	18.90	522	19.10	359	13.10	1224	44.80	15	0.50	2732
Q46	81	3.00	497	18.20	1459	53.40	322	11.80	357	13.10	16	0.60	2732
Q47	131	4.80	940	34.40	579	21.20	321	11.70	744	27.20	17	0.60	2732
Q48	82	3.00	1433	52.50	266	9.70	735	26.90	202	7.40	14	0.50	2732
Q49	102	3.70	588	21.50	1117	40.90	270	9.90	643	23.50	12	0.40	2732
Q50	92	3.40	305	11.20	584	21.40	1623	59.40	111	4.10	17	0.60	2732
Q51	92	3.40	1651	60.40	442	16.20	338	12.40	192	7.00	17	0.60	2732

Q52	72	2.60	337	12.30	202	7.40	1930	70.60	180	6.60	11	0.40	2732
Q53	88	3.20	192	7.00	1866	68.30	327	12.00	243	8.90	16	0.60	2732
Q54	112	4.10	1613	59.00	465	17.00	380	13.90	157	5.70	5	0.20	2732
Q55	98	3.60	442	16.20	1769	64.80	292	10.70	118	4.30	13	0.50	2732
Q56	79	2.90	266	9.70	294	10.80	1930	70.60	152	5.60	11	0.40	2732
Q57	209	7.70	1246	45.60	455	16.70	647	23.70	157	5.70	18	0.70	2732
Q58	103	3.80	190	7.00	2067	75.70	148	5.40	215	7.90	9	0.30	2732
Q59	80	2.90	315	11.50	183	6.70	185	6.80	1950	71.40	19	0.70	2732

All the questions have got four options out of which students are to response only one which is correct. Answer Keys of questions are different which varies from 1 to 4. Table 1.2.3 which includes sets 11 and 12 shows the responses of all the students. Here responses 0 and 5 indicate No response and Multiple responses respectively.

CHAPTER-2

Students achievement in Mathematics

Table 2.1 : Gender wise and Area wise Achievement in Mathematics

Gender	Rural			Urban			t	Total		
	N	Mean %	SD	N	Mean %	SD		N	Mean%	SD
Boys	1866	39	10	613	38	10	117.83	2479	39	10
Girls	2410	38	10	685	36	9	128.24	3095	38	10
Total	4276	39	10	1298	37	10		5574	38	10
Mean Difference	23.17			22.29				22.97		
T	153.57			81.97				173.97		

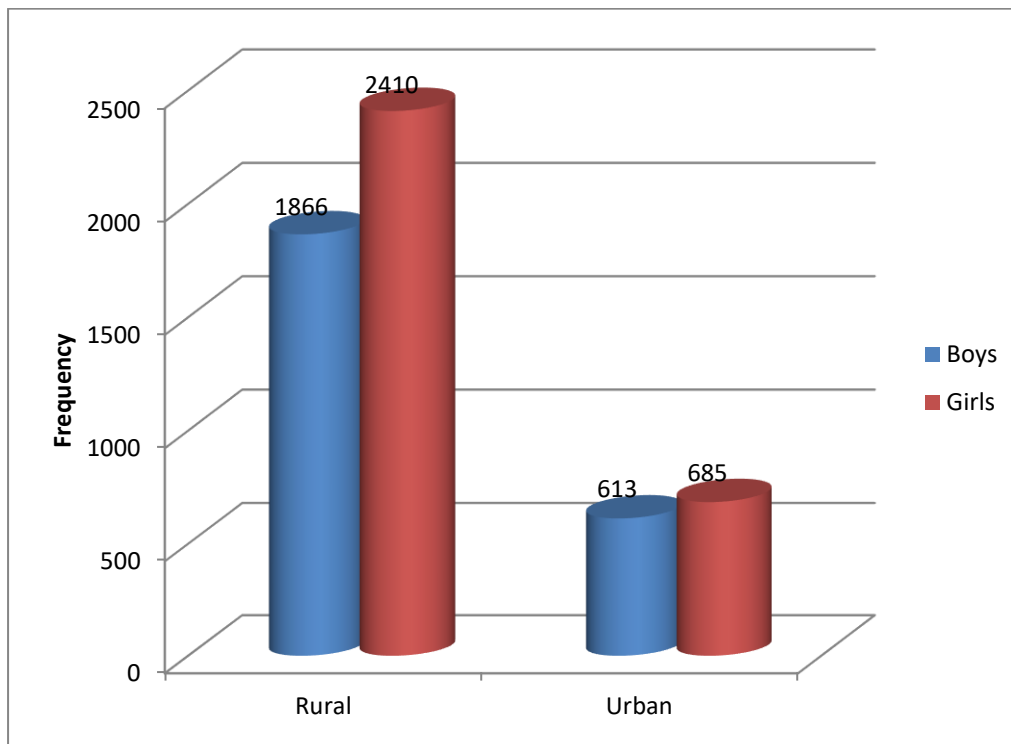


Fig : 2.1 Showing Gender wise and Area wise Achievement in Mathematics

It is seen from the table 2.1 that the mean achievement percentage of students in mathematics is 38% where as mean achievement percentage in the subject for boys and girls are 38% and 39% respectively. As reflected in the table there is no significant difference in achievement between the student of rural and urban area. However girls of rural area also have done slightly better than that of urban area.

Table 2.2: District wise and Gender wise Achievement in Mathematics

Districts	Boys			Girls			t	Total			Rank
	N	Mean %	SD	N	Mean %	SD		N	Mean %	SD	
	Chirang	99	50	11	101	45		11	37.53	200	
Darrang	147	44	9	142	43	10	46.49	289	44	10	4
Dhubri	214	49	12	255	52	11	55.83	469	51	12	1
Dibrugarh	171	33	9	252	32	7	50.11	423	32	8	13
Goalpara	187	35	6	323	32	6	73.86	510	33	6	12

Golaghat	170	38	7	253	33	6	62.12	423	35	7	10
Jorhat	201	38	8	209	36	9	52.81	410	37	8	7
Kamrup	237	37	10	258	37	9	52.24	495	37	10	7
KarbiAnglong	202	31	8	234	32	8	47.97	436	31	8	14
Kokrajhar	171	38	9	158	44	11	44.68	329	41	10	5
Lakhimpur	196	41	8	261	37	8	60.56	457	39	8	6
Morigaon	121	51	13	173	48	12	39.79	294	49	13	2
Nalbari	122	34	10	177	34	10	35.38	299	34	10	11
Sonitpur	241	37	9	299	34	9	54.50	540	36	9	9

Fig : 2.2 Showing District wise and Gender wise Achievement in Mathematics

Table 2.2 reflects that achievement level of the students of Dhubri district in mathematics is highest with 51% and the lowest in Karbi-Anglong district with 31%. However boys performed better in the districts of Cachar, Dhubri, Dima-Hasao, Kokrajhar and Morigaon. Achievement level of boy's is highest in Morigaon district with 51% and lowest in Karbi-Anglong district with 31%. On the other hand achievement level of girl's is highest in Dhubri district with 52% and lowest in Dibrugarh, Goalpara and Karbi - Anglong with 32%

Table 2.3: District wise and Area wise Achievement in Mathematics

Districts	Rural			Urban			t	Total			Rank
	N	Mean %	SD	N	Mean %	SD		N	Mean %	SD	
Chirang	152	46	10	48	52	11	37.53	200	47	11	3
Darrang	229	45	10	60	39	8	46.49	289	44	10	4
Dhubri	330	53	12	139	46	11	55.83	469	51	12	1
Dibrugarh	381	30	5	42	58	10	50.11	423	32	8	13
Goalpara	443	33	6	67	30	4	73.86	510	33	6	12

Golaghat	327	35	6	96	35	8	62.12	423	35	7	10
Jorhat	311	37	9	99	35	7	52.81	410	37	8	7
Kamrup	375	37	9	120	39	10	52.24	495	37	10	7
KarbiAnglong	263	34	9	173	27	6	47.97	436	31	8	14
Kokrajhar	270	41	10	59	39	7	44.68	329	41	10	5
Lakhimpur	355	39	9	102	38	7	60.56	457	39	8	6
Morigaon	219	53	12	75	39	13	39.79	294	49	13	2
Nalbari	212	34	11	87	33	8	35.38	299	34	10	11
Sonitpur	409	36	9	131	34	9	54.50	540	36	9	9
Total	4276	39	10	1298	37	10	173.97	5574	38	10	

From table 2.3 it is evident that there is no significant difference between rural and urban student's achievement. There is only 2% difference in mean percentage of achievement. The mean percentage of achievement of rural students is 39% and urban students is 37%. Achievement of rural students is highest in Dhubri and Marigaon districts with 53% and lowest in Dibrugarh district with 30%. However the interesting fact is that, the achievement of urban students is highest in Dibrugarh district with 33%.

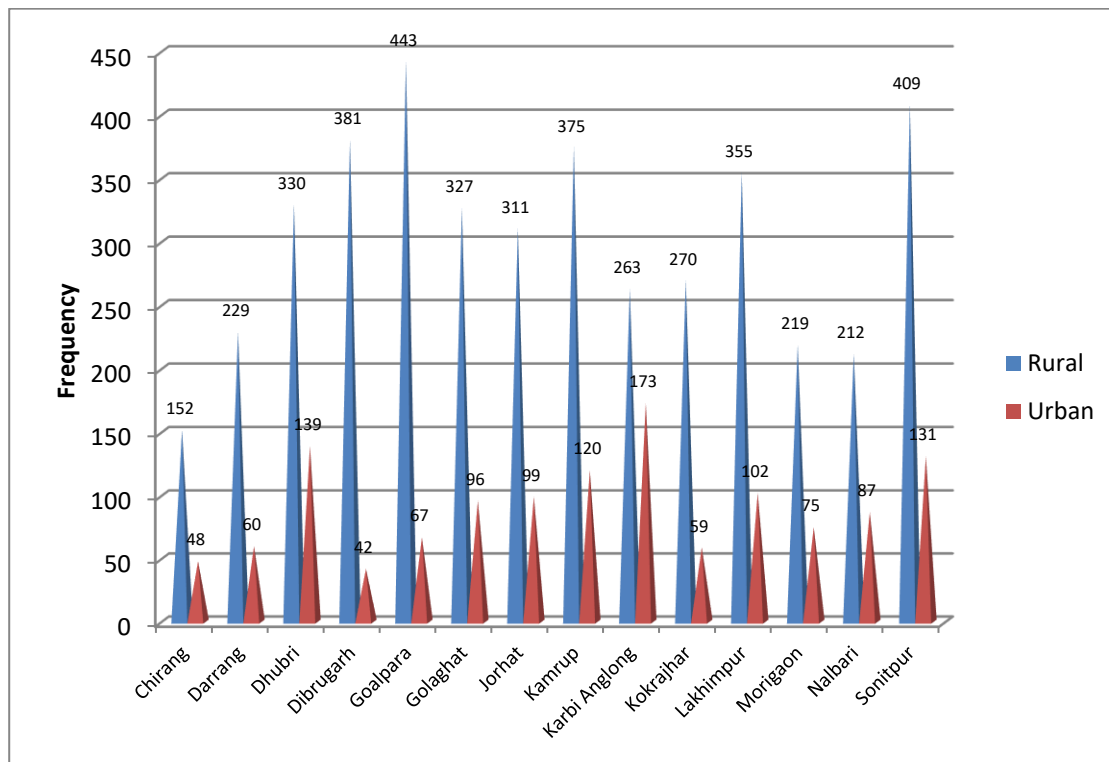


Fig : 2.3 Showing District wise and Area wise Achievement in Mathematics

Table 2.2.1 : Area wise and Question wise number of correct Response in Mathematics

SET-21

Serial No. of Questions	Rural		Urban		Total	
	N	%	N	%	N	%
Q1	907	41.8	212	32.5	1119	39.7
Q2	1017	46.9	245	37.5	1262	44.7
Q3	926	42.7	251	38.4	1177	41.7
Q4	1512	69.7	490	75.0	2002	70.9
Q5	1157	53.3	364	55.7	1521	53.9
Q6	938	43.2	282	43.2	1220	43.2
Q7	233	10.7	58	8.9	291	10.3
Q8	1034	47.7	309	47.3	1343	47.6
Q9	974	44.9	289	44.3	1263	44.8
Q10	515	23.7	108	16.5	623	22.1
Q11	1091	50.3	323	49.5	1414	50.1
Q12	531	24.5	144	22.1	675	23.9
Q13	978	45.1	287	44.0	1265	44.8
Q14	524	24.2	130	19.9	654	23.2
Q15	779	35.9	186	28.5	965	34.2
Q16	612	28.2	189	28.9	801	28.4

Q17	912	42.0	274	42.0	1186	42.0
Q18	765	35.3	241	36.9	1006	35.6
Q19	828	38.2	246	37.7	1074	38.1
Q20	762	35.1	222	34.0	984	34.9
Q21	986	45.5	288	44.1	1274	45.1
Q22	437	20.1	130	19.9	567	20.1
Q23	1123	51.8	364	55.7	1487	52.7
Q24	618	28.5	173	26.5	791	28.0
Q25	1165	53.7	365	55.9	1530	54.2
Q26	1092	50.3	326	49.9	1418	50.2
Q27	620	28.6	215	32.9	835	29.6
Q28	379	17.5	107	16.4	486	17.2
Q29	519	23.9	136	20.8	655	23.2
Q30	763	35.2	255	39.1	1018	36.1
Q31	920	42.4	214	32.8	1134	40.2
Q32	645	29.7	203	31.1	848	30.0
Q33	926	42.7	268	41.0	1194	42.3
Q34	598	27.6	180	27.6	778	27.6
Q35	836	38.5	261	40.0	1097	38.9
Q36	658	30.3	198	30.3	856	30.3
Q37	1096	50.5	335	51.3	1431	50.7
Q38	789	36.4	182	27.9	971	34.4
Q39	866	39.9	264	40.4	1130	40.0
Q40	1054	48.6	324	49.6	1378	48.8
Q41	677	31.2	192	29.4	869	30.8
Q42	1020	47.0	286	43.8	1306	46.3
Q43	737	34.0	189	28.9	926	32.8
Q44	987	45.5	287	44.0	1274	45.1
Q45	719	33.1	270	41.3	989	35.0
Q46	919	42.4	262	40.1	1181	41.8
Q47	936	43.2	305	46.7	1241	44.0
Q48	744	34.3	209	32.0	953	33.8
Q49	655	30.2	205	31.4	860	30.5
Q50	926	42.7	267	40.9	1193	42.3
Q51	755	34.8	257	39.4	1012	35.9
Q52	698	32.2	171	26.2	869	30.8
Q53	1090	50.3	332	50.8	1422	50.4
Q54	608	28.0	163	25.0	771	27.3
Q55	559	25.8	162	24.8	721	25.5
Q56	1120	51.6	313	47.9	1433	50.8
Q57	821	37.9	234	35.8	1055	37.4
Q58	1065	49.1	264	40.4	1329	47.1
Q59	510	23.5	165	25.3	675	23.9
Q60	1052	48.5	292	44.7	1344	47.6

Total Students	2169	653	2822
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SET-22

Serial No. of Questions	Rural		Urban		Total	
	N	%	N	%	N	%
Q1	309	14.7	97	15.0	406	14.8
Q2	925	43.9	232	36.0	1157	42.0
Q3	948	45.0	252	39.1	1200	43.6
Q4	994	47.2	288	44.7	1282	46.6
Q5	931	44.2	244	37.8	1175	42.7
Q6	924	43.9	261	40.5	1185	43.1
Q7	1137	54.0	332	51.5	1469	53.4
Q8	757	35.9	235	36.4	992	36.0
Q9	1070	50.8	314	48.7	1384	50.3
Q10	1106	52.5	315	48.8	1421	51.6
Q11	1450	68.8	470	72.9	1920	69.8
Q12	974	46.2	317	49.1	1291	46.9
Q13	617	29.3	169	26.2	786	28.6
Q14	692	32.8	204	31.6	896	32.6
Q15	938	44.5	244	37.8	1182	43.0
Q16	845	40.1	231	35.8	1076	39.1
Q17	970	46.0	278	43.1	1248	45.3
Q18	785	37.3	234	36.3	1019	37.0
Q19	659	31.3	176	27.3	835	30.3
Q20	809	38.4	230	35.7	1039	37.8
Q21	1080	51.3	340	52.7	1420	51.6
Q22	1211	57.5	367	56.9	1578	57.3
Q23	1038	49.3	305	47.3	1343	48.8
Q24	976	46.3	291	45.1	1267	46.0
Q25	861	40.9	251	38.9	1112	40.4
Q26	827	39.3	247	38.3	1074	39.0
Q27	761	36.1	220	34.1	981	35.6
Q28	594	28.2	179	27.8	773	28.1

Q29	691	32.8	214	33.2	905	32.9
Q30	1031	48.9	285	44.2	1316	47.8
Q31	901	42.8	265	41.1	1166	42.4
Q32	922	43.8	247	38.3	1169	42.5
Q33	687	32.6	205	31.8	892	32.4
Q34	640	30.4	195	30.2	835	30.3
Q35	608	28.9	199	30.9	807	29.3
Q36	867	41.1	266	41.2	1133	41.2
Q37	555	26.3	169	26.2	724	26.3
Q38	446	21.2	155	24.0	601	21.8
Q39	750	35.6	234	36.3	984	35.8
Q40	675	32.0	179	27.8	854	31.0
Q41	476	22.6	138	21.4	614	22.3
Q42	1154	54.8	345	53.5	1499	54.5
Q43	692	32.8	219	34.0	911	33.1
Q44	593	28.1	153	23.7	746	27.1
Q45	689	32.7	209	32.4	898	32.6
Q46	749	35.5	244	37.8	993	36.1
Q47	877	41.6	242	37.5	1119	40.7
Q48	908	43.1	249	38.6	1157	42.0
Q49	916	43.5	252	39.1	1168	42.4
Q50	807	38.3	215	33.3	1022	37.1
Q51	821	39.0	268	41.6	1089	39.6
Q52	548	26.0	204	31.6	752	27.3
Q53	882	41.9	254	39.4	1136	41.3
Q54	627	29.8	204	31.6	831	30.2
Q55	717	34.0	192	29.8	909	33.0
Q56	920	43.7	268	41.6	1188	43.2
Q57	638	30.3	183	28.4	821	29.8
Q58	662	31.4	184	28.5	846	30.7
Q59	832	39.5	259	40.2	1091	39.6
Q60	923	43.8	258	40.0	1181	42.9
Total Students	2107		645		2752	

Different questions have got different competencies which are incorporated in the Text Books. Table 2.2.1 which includes sets 21 and 22 shows the type of questions that are answered correctly by the students of both rural and urban area. This gives an insight into the achievement level of students in terms of competencies acquired by them in Mathematics.

Table 2.2.2. : Gender and question wise number of correct Response in Mathematics

SET-21

Serial No. of Questions	Boys		Girls		Total	
	N	%	N	%	N	%
Q1	497	39.2	622	40.1	1119	39.7
Q2	563	44.4	699	45.0	1262	44.7
Q3	545	42.9	632	40.7	1177	41.7
Q4	929	73.2	1073	69.1	2002	70.9
Q5	737	58.1	784	50.5	1521	53.9
Q6	579	45.6	641	41.3	1220	43.2
Q7	123	9.7	168	10.8	291	10.3
Q8	629	49.6	714	46.0	1343	47.6
Q9	595	46.9	668	43.0	1263	44.8
Q10	292	23.0	331	21.3	623	22.1
Q11	660	52.0	754	48.6	1414	50.1
Q12	303	23.9	372	24.0	675	23.9
Q13	559	44.1	706	45.5	1265	44.8
Q14	292	23.0	362	23.3	654	23.2
Q15	421	33.2	544	35.0	965	34.2
Q16	340	26.8	461	29.7	801	28.4
Q17	532	41.9	654	42.1	1186	42.0
Q18	488	38.5	518	33.4	1006	35.6
Q19	497	39.2	577	37.2	1074	38.1
Q20	415	32.7	569	36.6	984	34.9
Q21	595	46.9	679	43.7	1274	45.1
Q22	198	15.6	369	23.8	567	20.1
Q23	694	54.7	793	51.1	1487	52.7

Q24	347	27.3	444	28.6	791	28.0
Q25	711	56.0	819	52.7	1530	54.2
Q26	632	49.8	786	50.6	1418	50.2
Q27	394	31.0	441	28.4	835	29.6
Q28	234	18.4	252	16.2	486	17.2
Q29	292	23.0	363	23.4	655	23.2
Q30	455	35.9	563	36.3	1018	36.1
Q31	516	40.7	618	39.8	1134	40.2
Q32	394	31.0	454	29.2	848	30.0
Q33	534	42.1	660	42.5	1194	42.3
Q34	378	29.8	400	25.8	778	27.6
Q35	513	40.4	584	37.6	1097	38.9
Q36	382	30.1	474	30.5	856	30.3
Q37	655	51.6	776	50.0	1431	50.7
Q38	427	33.6	544	35.0	971	34.4
Q39	518	40.8	612	39.4	1130	40.0
Q40	614	48.4	764	49.2	1378	48.8
Q41	375	29.6	494	31.8	869	30.8
Q42	616	48.5	690	44.4	1306	46.3
Q43	389	30.7	537	34.6	926	32.8
Q44	614	48.4	660	42.5	1274	45.1
Q45	435	34.3	554	35.7	989	35.0
Q46	548	43.2	633	40.8	1181	41.8
Q47	572	45.1	669	43.1	1241	44.0
Q48	434	34.2	519	33.4	953	33.8
Q49	400	31.5	460	29.6	860	30.5
Q50	535	42.2	658	42.4	1193	42.3
Q51	501	39.5	511	32.9	1012	35.9
Q52	379	29.9	490	31.6	869	30.8
Q53	663	52.2	759	48.9	1422	50.4
Q54	362	28.5	409	26.3	771	27.3
Q55	320	25.2	401	25.8	721	25.5

Q56	644	50.7	789	50.8	1433	50.8
Q57	481	37.9	574	37.0	1055	37.4
Q58	612	48.2	717	46.2	1329	47.1
Q59	282	22.2	393	25.3	675	23.9
Q60	624	49.2	720	46.4	1344	47.6
Total Students	1269		1553		2822	

SET-22

Serial No. of Questions	Boys		Girls		Total	
	Count	Column N %	Count	Column N %	Count	Column N %
Q1	173	14.3	233	15.1%	406	14.8%
Q2	505	41.7	652	42.3%	1157	42.0%
Q3	559	46.2	641	41.6%	1200	43.6%
Q4	592	48.9	690	44.7%	1282	46.6%
Q5	529	43.7	646	41.9%	1175	42.7%
Q6	524	43.3	661	42.9%	1185	43.1%
Q7	686	56.7	783	50.8%	1469	53.4%
Q8	465	38.4	527	34.2%	992	36.0%
Q9	624	51.6	760	49.3%	1384	50.3%
Q10	656	54.2	765	49.6%	1421	51.6%
Q11	886	73.2	1034	67.1%	1920	69.8%
Q12	588	48.6	703	45.6%	1291	46.9%
Q13	377	31.2	409	26.5%	786	28.6%
Q14	379	31.3	517	33.5%	896	32.6%
Q15	549	45.4	633	41.1%	1182	43.0%
Q16	497	41.1	579	37.5%	1076	39.1%
Q17	593	49.0	655	42.5%	1248	45.3%
Q18	468	38.7	551	35.7%	1019	37.0%
Q19	385	31.8	450	29.2%	835	30.3%
Q20	443	36.6	596	38.7%	1039	37.8%
Q21	651	53.8	769	49.9%	1420	51.6%
Q22	702	58.0	876	56.8%	1578	57.3%
Q23	611	50.5	732	47.5%	1343	48.8%
Q24	571	47.2	696	45.1%	1267	46.0%

Q25	502	41.5	610	39.6%	1112	40.4%
Q26	516	42.6	558	36.2%	1074	39.0%
Q27	435	36.0	546	35.4%	981	35.6%
Q28	343	28.3	430	27.9%	773	28.1%
Q29	410	33.9	495	32.1%	905	32.9%
Q30	596	49.3	720	46.7%	1316	47.8%
Q31	546	45.1	620	40.2%	1166	42.4%
Q32	538	44.5	631	40.9%	1169	42.5%
Q33	419	34.6	473	30.7%	892	32.4%
Q34	394	32.6	441	28.6%	835	30.3%
Q35	364	30.1	443	28.7%	807	29.3%
Q36	510	42.1	623	40.4%	1133	41.2%
Q37	318	26.3	406	26.3%	724	26.3%
Q38	267	22.1	334	21.7%	601	21.8%
Q39	467	38.6	517	33.5%	984	35.8%
Q40	386	31.9	468	30.4%	854	31.0%
Q41	263	21.7	351	22.8%	614	22.3%
Q42	673	55.6	826	53.6%	1499	54.5%
Q43	451	37.3	460	29.8%	911	33.1%
Q44	305	25.2	441	28.6%	746	27.1%
Q45	397	32.8	501	32.5%	898	32.6%
Q46	425	35.1	568	36.8%	993	36.1%
Q47	477	39.4	642	41.6%	1119	40.7%
Q48	528	43.6	629	40.8%	1157	42.0%
Q49	542	44.8	626	40.6%	1168	42.4%
Q50	477	39.4	545	35.3%	1022	37.1%
Q51	505	41.7	584	37.9%	1089	39.6%
Q52	326	26.9	426	27.6%	752	27.3%
Q53	521	43.1	615	39.9%	1136	41.3%
Q54	352	29.1	479	31.1%	831	30.2%
Q55	394	32.6	515	33.4%	909	33.0%
Q56	523	43.2	665	43.1%	1188	43.2%
Q57	367	30.3	454	29.4%	821	29.8%
Q58	373	30.8	473	30.7%	846	30.7%
Q59	510	42.1	581	37.7%	1091	39.6%
Q60	549	45.4	632	41.0%	1181	42.9%

Total Students	1210	1542	2752
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Table 2.2.2. which includes sets 21 and 22 shows the type of questions that are answered correctly by the students of both rural and urban area. This gives an insight into the achievement level of students in terms of competencies acquired by them in Mathematics.

Table 2.2.3. : Response Analysis for all items of Mathematics

SET-21

Items	0		1		2		3		4		5		Total
	N	%	N	%	N	%	N	%	N	%	N	%	
Q1	202	7.20	297	10.50	713	25.30	1119	39.70	468	16.60	23	0.80	2822
Q2	143	5.10	570	20.20	531	18.80	1262	44.70	286	10.10	30	1.10	2822
Q3	96	3.40	254	9.00	954	33.80	1177	41.70	290	10.30	51	1.80	2822
Q4	92	3.30	135	4.80	309	10.90	245	8.70	2002	70.90	39	1.40	2822
Q5	138	4.90	286	10.10	469	16.60	1521	53.90	379	13.40	29	1.00	2822
Q6	112	4.00	1220	43.20	925	32.80	371	13.10	143	5.10	51	1.80	2822
Q7	291	10.30	1015	36.00	493	17.50	600	21.30	397	14.10	26	0.90	2822
Q8	111	3.90	1343	47.60	714	25.30	251	8.90	374	13.30	29	1.00	2822
Q9	123	4.40	530	18.80	1263	44.80	360	12.80	502	17.80	44	1.60	2822
Q10	196	6.90	623	22.10	423	15.00	1201	42.60	356	12.60	23	0.80	2822
Q11	178	6.30	308	10.90	1414	50.10	290	10.30	613	21.70	19	0.70	2822
Q12	136	4.80	675	23.90	1324	46.90	328	11.60	327	11.60	32	1.10	2822
Q13	148	5.20	1265	44.80	663	23.50	373	13.20	347	12.30	26	0.90	2822
Q14	162	5.70	1135	40.20	604	21.40	654	23.20	241	8.50	26	0.90	2822
Q15	131	4.60	540	19.10	613	21.70	552	19.60	965	34.20	21	0.70	2822
Q16	208	7.40	910	32.20	801	28.40	492	17.40	376	13.30	35	1.20	2822
Q17	219	7.80	349	12.40	595	21.10	1186	42.00	453	16.10	20	0.70	2822
Q18	171	6.10	682	24.20	1006	35.60	534	18.90	405	14.40	24	0.90	2822

Q19	157	5.60	340	12.00	483	17.10	1074	38.10	750	26.60	18	0.60	2822
Q20	161	5.70	543	19.20	700	24.80	418	14.80	984	34.90	16	0.60	2822
Q21	113	4.00	168	6.00	897	31.80	1274	45.10	343	12.20	27	1.00	2822
Q22	92	3.30	1108	39.30	487	17.30	524	18.60	567	20.10	44	1.60	2822
Q23	199	7.10	265	9.40	329	11.70	1487	52.70	512	18.10	30	1.10	2822
Q24	200	7.10	386	13.70	791	28.00	380	13.50	1043	37.00	22	0.80	2822
Q25	143	5.10	305	10.80	1530	54.20	401	14.20	431	15.30	12	0.40	2822
Q26	101	3.60	1418	50.20	511	18.10	459	16.30	310	11.00	23	0.80	2822
Q27	130	4.60	704	24.90	835	29.60	746	26.40	372	13.20	35	1.20	2822
Q28	150	5.30	605	21.40	735	26.00	486	17.20	824	29.20	22	0.80	2822
Q29	165	5.80	655	23.20	920	32.60	475	16.80	581	20.60	26	0.90	2822
Q30	148	5.20	307	10.90	1018	36.10	499	17.70	829	29.40	21	0.70	2822
Q31	163	5.80	484	17.20	790	28.00	1134	40.20	239	8.50	12	0.40	2822
Q32	171	6.10	672	23.80	848	30.00	661	23.40	446	15.80	24	0.90	2822
Q33	96	3.40	273	9.70	429	15.20	1194	42.30	797	28.20	33	1.20	2822
Q34	188	6.70	778	27.60	875	31.00	549	19.50	401	14.20	31	1.10	2822
Q35	198	7.00	1097	38.90	535	19.00	457	16.20	513	18.20	22	0.80	2822
Q36	204	7.20	348	12.30	1020	36.10	856	30.30	377	13.40	17	0.60	2822
Q37	99	3.50	324	11.50	646	22.90	1431	50.70	299	10.60	23	0.80	2822
Q38	176	6.20	348	12.30	971	34.40	495	17.50	803	28.50	29	1.00	2822
Q39	182	6.40	509	18.00	729	25.80	1130	40.00	228	8.10	44	1.60	2822
Q40	178	6.30	1378	48.80	565	20.00	441	15.60	242	8.60	18	0.60	2822
Q41	238	8.40	384	13.60	869	30.80	859	30.40	443	15.70	29	1.00	2822
Q42	134	4.70	534	18.90	1306	46.30	456	16.20	359	12.70	33	1.20	2822
Q43	212	7.50	926	32.80	527	18.70	609	21.60	522	18.50	26	0.90	2822
Q44	190	6.70	320	11.30	626	22.20	1274	45.10	387	13.70	25	0.90	2822
Q45	225	8.00	637	22.60	989	35.00	392	13.90	553	19.60	26	0.90	2822
Q46	184	6.50	1181	41.80	357	12.70	509	18.00	569	20.20	22	0.80	2822
Q47	162	5.70	394	14.00	782	27.70	1241	44.00	224	7.90	19	0.70	2822
Q48	234	8.30	486	17.20	676	24.00	953	33.80	447	15.80	26	0.90	2822
Q49	300	10.60	379	13.40	642	22.70	860	30.50	626	22.20	15	0.50	2822
Q50	142	5.00	591	20.90	554	19.60	1193	42.30	315	11.20	27	1.00	2822

Q51	178	6.30	466	16.50	1012	35.90	907	32.10	235	8.30	24	0.90	2822
Q52	184	6.50	451	16.00	869	30.80	391	13.90	907	32.10	20	0.70	2822
Q53	211	7.50	516	18.30	330	11.70	1422	50.40	323	11.40	20	0.70	2822
Q54	259	9.20	771	27.30	719	25.50	524	18.60	534	18.90	15	0.50	2822
Q55	203	7.20	721	25.50	800	28.30	570	20.20	507	18.00	21	0.70	2822
Q56	212	7.50	406	14.40	1433	50.80	470	16.70	287	10.20	14	0.50	2822
Q57	281	10.00	365	12.90	798	28.30	1055	37.40	305	10.80	18	0.60	2822
Q58	238	8.40	443	15.70	1329	47.10	519	18.40	272	9.60	21	0.70	2822
Q59	240	8.50	562	19.90	636	22.50	675	23.90	684	24.20	25	0.90	2822
Q60	214	7.60	339	12.00	370	13.10	1344	47.60	515	18.20	40	1.40	2822

SET-22

Items	0		1		2		3		4		5		Total
	N	%	N	%	N	%	N	%	N	%	N	%	
Q1	217	7.90	406	14.80	1090	39.60	643	23.40	363	13.20	33	1.20	2752
Q2	150	5.50	306	11.10	674	24.50	1157	42.00	426	15.50	39	1.40	2752
Q3	71	2.60	615	22.30	524	19.00	1200	43.60	302	11.00	40	1.50	2752
Q4	122	4.40	496	18.00	1282	46.60	243	8.80	558	20.30	51	1.90	2752
Q5	73	2.70	316	11.50	925	33.60	1175	42.70	223	8.10	40	1.50	2752
Q6	96	3.50	1185	43.10	868	31.50	399	14.50	156	5.70	48	1.70	2752
Q7	99	3.60	283	10.30	478	17.40	1469	53.40	404	14.70	19	0.70	2752
Q8	129	4.70	674	24.50	992	36.00	494	18.00	432	15.70	31	1.10	2752
Q9	86	3.10	345	12.50	597	21.70	1384	50.30	307	11.20	33	1.20	2752
Q10	108	3.90	1421	51.60	407	14.80	466	16.90	321	11.70	29	1.10	2752
Q11	84	3.10	236	8.60	258	9.40	229	8.30	1920	69.80	25	0.90	2752
Q12	140	5.10	506	18.40	478	17.40	1291	46.90	299	10.90	38	1.40	2752
Q13	179	6.50	786	28.60	880	32.00	586	21.30	286	10.40	35	1.30	2752
Q14	224	8.10	896	32.60	490	17.80	636	23.10	476	17.30	30	1.10	2752
Q15	162	5.90	240	8.70	1182	43.00	458	16.60	694	25.20	16	0.60	2752
Q16	102	3.70	237	8.60	436	15.80	1076	39.10	867	31.50	34	1.20	2752
Q17	136	4.90	277	10.10	1248	45.30	503	18.30	561	20.40	27	1.00	2752
Q18	136	4.90	1019	37.00	712	25.90	411	14.90	436	15.80	38	1.40	2752

Q19	175	6.40	862	31.30	334	12.10	835	30.30	526	19.10	20	0.70	2752
Q20	204	7.40	596	21.70	478	17.40	1039	37.80	417	15.20	18	0.70	2752
Q21	128	4.70	248	9.00	537	19.50	405	14.70	1420	51.60	14	0.50	2752
Q22	106	3.90	351	12.80	1578	57.30	420	15.30	279	10.10	18	0.70	2752
Q23	90	3.30	288	10.50	301	10.90	698	25.40	1343	48.80	32	1.20	2752
Q24	140	5.10	316	11.50	398	14.50	612	22.20	1267	46.00	19	0.70	2752
Q25	147	5.30	531	19.30	565	20.50	1112	40.40	364	13.20	33	1.20	2752
Q26	191	6.90	686	24.90	482	17.50	1074	39.00	303	11.00	16	0.60	2752
Q27	137	5.00	981	35.60	550	20.00	671	24.40	391	14.20	22	0.80	2752
Q28	234	8.50	773	28.10	645	23.40	683	24.80	378	13.70	39	1.40	2752
Q29	153	5.60	443	16.10	852	31.00	905	32.90	379	13.80	20	0.70	2752
Q30	192	7.00	273	9.90	590	21.40	363	13.20	1316	47.80	18	0.70	2752
Q31	99	3.60	683	24.80	586	21.30	1166	42.40	175	6.40	43	1.60	2752
Q32	141	5.10	361	13.10	752	27.30	1169	42.50	312	11.30	17	0.60	2752
Q33	155	5.60	892	32.40	653	23.70	622	22.60	413	15.00	17	0.60	2752
Q34	265	9.60	587	21.30	655	23.80	835	30.30	393	14.30	17	0.60	2752
Q35	171	6.20	807	29.30	813	29.50	581	21.10	356	12.90	24	0.90	2752
Q36	182	6.60	263	9.60	1133	41.20	618	22.50	539	19.60	17	0.60	2752
Q37	196	7.10	476	17.30	724	26.30	561	20.40	777	28.20	18	0.70	2752
Q38	136	4.90	813	29.50	896	32.60	601	21.80	278	10.10	28	1.00	2752
Q39	201	7.30	909	33.00	984	35.80	447	16.20	180	6.50	31	1.10	2752
Q40	192	7.00	678	24.60	595	21.60	854	31.00	411	14.90	22	0.80	2752
Q41	251	9.10	968	35.20	476	17.30	614	22.30	421	15.30	22	0.80	2752
Q42	163	5.90	219	8.00	1499	54.50	599	21.80	257	9.30	15	0.50	2752
Q43	246	8.90	553	20.10	911	33.10	542	19.70	479	17.40	21	0.80	2752
Q44	219	8.00	696	25.30	790	28.70	746	27.10	276	10.00	25	0.90	2752
Q45	214	7.80	625	22.70	621	22.60	898	32.60	369	13.40	25	0.90	2752
Q46	257	9.30	312	11.30	993	36.10	593	21.50	573	20.80	24	0.90	2752
Q47	194	7.00	569	20.70	1119	40.70	516	18.80	332	12.10	22	0.80	2752
Q48	192	7.00	1157	42.00	462	16.80	605	22.00	311	11.30	25	0.90	2752
Q49	188	6.80	394	14.30	724	26.30	1168	42.40	261	9.50	17	0.60	2752
Q50	150	5.50	1022	37.10	789	28.70	510	18.50	249	9.00	32	1.20	2752
Q51	160	5.80	491	17.80	615	22.30	1089	39.60	373	13.60	24	0.90	2752
Q52	148	5.40	804	29.20	579	21.00	439	16.00	752	27.30	30	1.10	2752

Q53	155	5.60	1136	41.30	388	14.10	568	20.60	486	17.70	19	0.70	2752
Q54	209	7.60	625	22.70	831	30.20	586	21.30	483	17.60	18	0.70	2752
Q55	217	7.90	467	17.00	909	33.00	683	24.80	445	16.20	31	1.10	2752
Q56	187	6.80	1188	43.20	397	14.40	441	16.00	527	19.10	12	0.40	2752
Q57	257	9.30	603	21.90	424	15.40	821	29.80	626	22.70	21	0.80	2752
Q58	245	8.90	357	13.00	846	30.70	770	28.00	508	18.50	26	0.90	2752
Q59	187	6.80	620	22.50	570	20.70	1091	39.60	258	9.40	26	0.90	2752
Q60	213	7.70	444	16.10	433	15.70	425	15.40	1181	42.90	56	2.00	2752

All the questions have got four options out of which students are to response only onewhich is correct. Answer Keys of questions are different which varies from 1 to 4. Table 2.2.3. which includes sets 21 and 22 shows the responses of all the students .Here responses 0 and 5 indicate No response and Multiple responses respectively.

CHAPTER-3

Students achievement in Science

Table 3.1: Gender wise and Area wise Achievement in Science

Gender	Rural			Urban			t	Total		
	N	Mean %	SD	N	Mean %	SD		N	Mean %	SD
Boys	1845	45	10	614	44	11	128.88	2459	44	10
Girls	2359	45	10	668	44	11	141.83	3027	45	10
Total	4204	45	10	1282	44	11		5486	45	10
Mean Difference	26.88			26.21				26.72		
T	170.017			88.84				191.65		

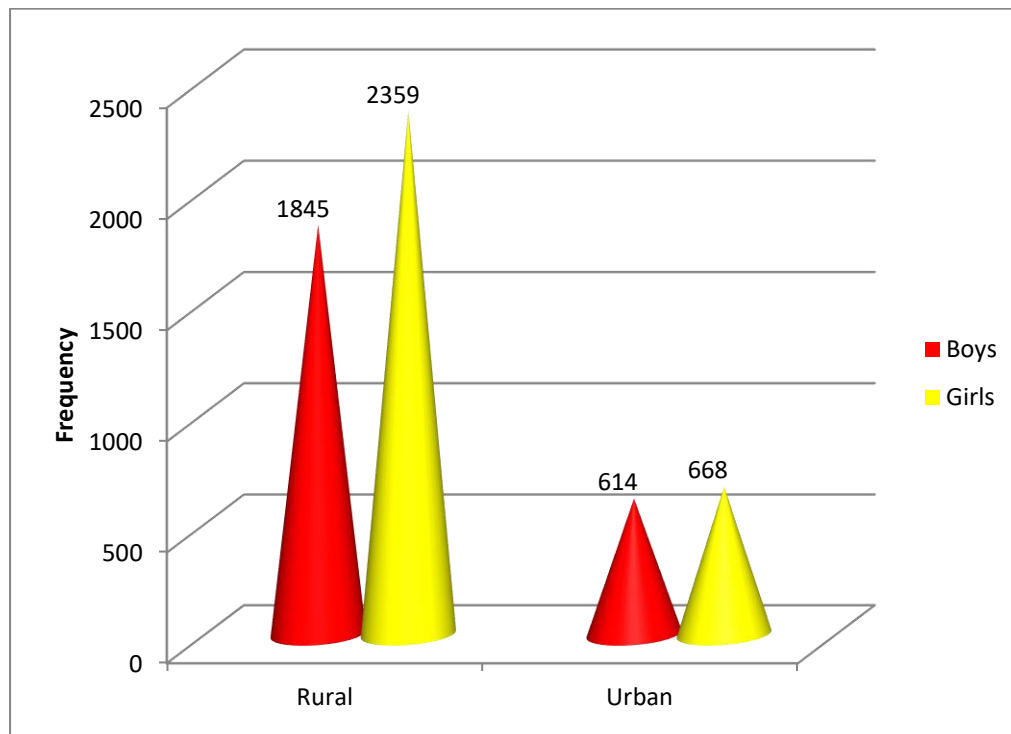


Fig : 3.1 Gender wise and Area wise Achievement in Science

It is seen from the table 3.1 that the mean achievement percentage of students in science is 45% whereas mean achievement percentage in the subject for boys and girls are 44% and 45% respectively. As reflected in the table there is no significant difference in achievement between the student of rural and urban area.

Table 3.2 : District wise and Gender wise Achievement in Science

Districts	Boys			Girls			t	Total			Rank
	N	Mean %	SD	N	Mean %	SD		N	Mean %	SD	
Chirang	98	59	10	102	59	9	53.27	200	59	9	1
Darrang	152	49	10	135	47	10	50.77	287	48	10	5
Dhubri	214	53	10	254	56	10	69.25	468	55	10	2
Dibrugarh	172	40	10	258	41	10	51.75	430	41	10	12
Goalpara	159	49	9	276	53	11	62.93	435	51	10	4
Golaghat	170	27	3	238	26	3	103.50	408	26	3	14
Jorhat	206	50	9	205	45	9	63.18	411	47	9	6
Kamrup	233	45	9	261	43	8	66.96	494	44	9	9
Karbi Anglong	202	33	8	234	35	9	49.36	436	34	9	13
Kokrajhar	173	42	10	157	52	11	46.64	330	47	11	6

Lakhimpur	195	45	10	263	43	9	58.12	458	44	10	9
Morigaon	117	52	9	173	51	9	59.28	290	52	9	3
Nalbari	125	44	11	174	46	12	39.71	299	45	12	8
Sonitpur	243	44	9	297	41	8	73.55	540	43	8	11
Total	2459	44	10	3027	45	10		5486	45	10	

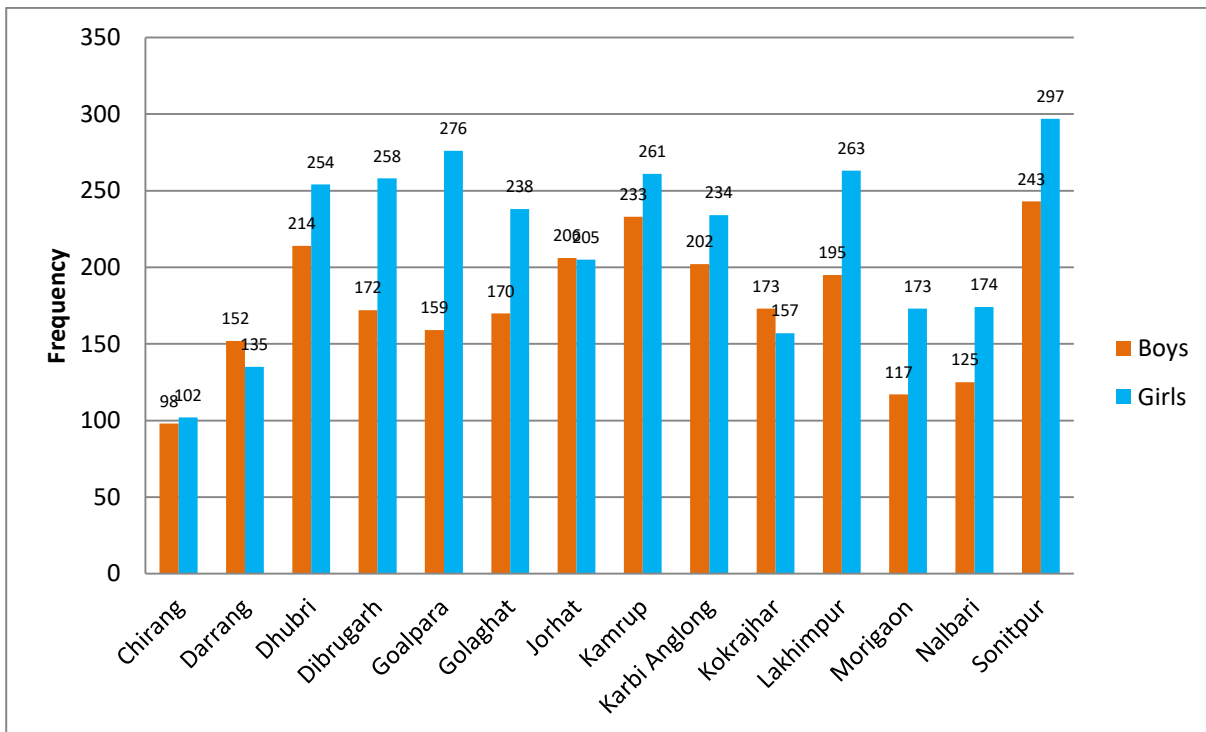


Fig : 3.2 District wise and Gender wise Achievement in Science

From table 3.2 it is seen that achievement level of the students of Chirang district in science is highest with 59% and the lowest in Golaghat district with 26%. Again achievement level of boy’s and girl’s is also highest in Chirang and lowest in Golaghat with 27% and 26% respectively.

Table 3.3 : District wise and Area wise Achievement in Science

Districts	Rural			Urban			t	Total			Rank
	N	Mean %	SD	N	Mean %	SD		N	Mean %	SD	
Chirang	152	57	10	48	66	6	53.27	200	59	9	1
Darrang	225	48	9	62	47	11	50.77	287	48	10	5

Dhubri	329	57	10	139	49	11	69.25	468	55	10	2
Dibrugarh	388	38	8	42	68	9	51.75	430	41	10	12
Goalpara	356	52	10	79	46	9	62.93	435	51	10	4
Golaghat	312	26	3	96	26	3	103.50	408	26	3	14
Jorhat	315	48	9	96	47	9	63.18	411	47	9	6
Kamrup	411	41	8	83	57	8	66.96	494	44	9	9
Karbi Anglong	263	37	9	173	30	6	49.36	436	34	9	13
Kokrajhar	271	48	11	59	42	8	46.64	330	47	11	6
Lakhimpur	344	45	10	114	41	8	58.12	458	44	10	9
Morigaon	217	53	8	73	46	10	59.28	290	52	9	3
Nalbari	212	46	12	87	43	11	39.71	299	45	12	8
Sonitpur	409	43	8	131	42	9	73.55	540	43	8	11
Total	4204	45	10	128 2	44	11		5486	45	10	

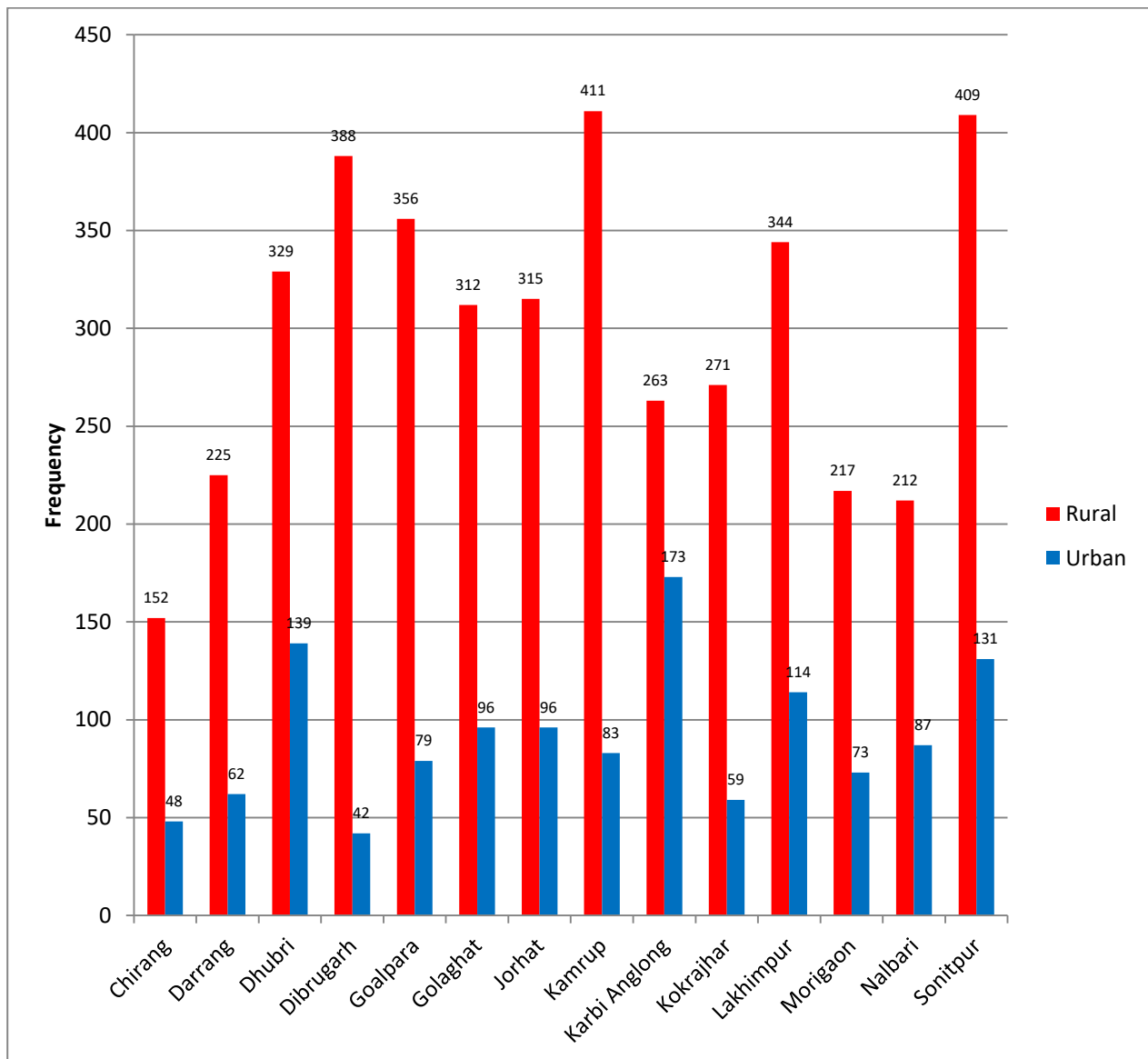


Fig : 3.3 District wise and Area wise Achievement in Science

Table 3.3 shows that there is no significant difference between rural and urban student's achievement. The mean percentage of achievement of rural students is 45% and urban students is 44%. Achievement of rural students is highest in Dhubri and Chirang districts with 57% and lowest in Golaghat district with 26%. The table also reveals that, the achievement of urban students is also lowest in Golaghat district with 26% and highest in Chirang with 66%

Table 3.3.1 : Area wise and Question wise number of correct Response in Science

SET-31

Serial No. of Questions	Rural		Urban		Total	
	N	%	N	%	N	%
Q1	624	29.2	156	25.0	780	28.2
Q2	890	41.6	282	45.3	1172	42.4
Q3	1275	59.6	359	57.6	1634	59.2
Q4	1486	69.5	395	63.4	1881	68.1
Q5	1542	72.1	427	68.5	1969	71.3
Q6	1112	52.0	321	51.5	1433	51.9
Q7	1266	59.2	355	57.0	1621	58.7
Q8	1183	55.3	304	48.8	1487	53.8
Q9	1581	73.9	454	72.9	2035	73.7
Q10	1082	50.6	312	50.1	1394	50.5
Q11	1107	51.8	335	53.8	1442	52.2
Q12	1167	54.6	321	51.5	1488	53.9
Q13	815	38.1	254	40.8	1069	38.7
Q14	96	4.5	18	2.9	114	4.1
Q15	1115	52.1	301	48.3	1416	51.3
Q16	998	46.7	278	44.6	1276	46.2
Q17	1375	64.3	373	59.9	1748	63.3
Q18	1096	51.2	304	48.8	1400	50.7
Q19	742	34.7	208	33.4	950	34.4
Q20	906	42.4	265	42.5	1171	42.4
Q21	871	40.7	265	42.5	1136	41.1
Q22	634	29.6	155	24.9	789	28.6
Q23	767	35.9	211	33.9	978	35.4
Q24	1069	50.0	299	48.0	1368	49.5
Q25	717	33.5	236	37.9	953	34.5
Q26	675	31.6	173	27.8	848	30.7
Q27	1231	57.6	359	57.6	1590	57.6

Q28	1087	50.8	298	47.8	1385	50.1
Q29	1215	56.8	339	54.4	1554	56.3
Q30	1367	63.9	353	56.7	1720	62.3
Q31	737	34.5	193	31.0	930	33.7
Q32	981	45.9	292	46.9	1273	46.1
Q33	226	10.6	88	14.1	314	11.4
Q34	864	40.4	244	39.2	1108	40.1
Q35	1095	51.2	342	54.9	1437	52.0
Q36	1042	48.7	329	52.8	1371	49.6
Q37	841	39.3	202	32.4	1043	37.8
Q38	1062	49.6	301	48.3	1363	49.3
Q39	961	44.9	249	40.0	1210	43.8
Q40	814	38.1	231	37.1	1045	37.8
Q41	1078	50.4	294	47.2	1372	49.7
Q42	1222	57.1	362	58.1	1584	57.3
Q43	1058	49.5	325	52.2	1383	50.1
Q44	1321	61.8	402	64.5	1723	62.4
Q45	324	15.1	90	14.4	414	15.0
Q46	337	15.8	88	14.1	425	15.4
Q47	1455	68.0	425	68.2	1880	68.1
Q48	1219	57.0	336	53.9	1555	56.3
Q49	1194	55.8	329	52.8	1523	55.1
Q50	718	33.6	205	32.9	923	33.4
Q51	1108	51.8	310	49.8	1418	51.3
Q52	960	44.9	263	42.2	1223	44.3
Q53	268	12.5	86	13.8	354	12.8
Q54	1327	62.0	324	52.0	1651	59.8
Q55	989	46.2	317	50.9	1306	47.3
Q56	1310	61.2	378	60.7	1688	61.1
Q57	1056	49.4	281	45.1	1337	48.4
Q58	812	38.0	272	43.7	1084	39.2
Q59	768	35.9	208	33.4	976	35.3
Q60	703	32.9	204	32.7	907	32.8

Total Students	2139	623	2762
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SET-32

Serial No. of Questions	Rural		Urban		Total	
	N	%	N	%	N	%
Q1	944	45.7	301	45.7	1245	45.7
Q2	1653	80.0	521	79.1	2174	79.8
Q3	1416	68.6	426	64.6	1842	67.6
Q4	916	44.4	308	46.7	1224	44.9
Q5	474	23.0	179	27.2	653	24.0
Q6	1154	55.9	363	55.1	1517	55.7
Q7	614	29.7	207	31.4	821	30.1
Q8	992	48.0	287	43.6	1279	47.0
Q9	551	26.7	125	19.0	676	24.8
Q10	1032	50.0	332	50.4	1364	50.1
Q11	832	40.3	252	38.2	1084	39.8
Q12	969	46.9	326	49.5	1295	47.5
Q13	781	37.8	247	37.5	1028	37.7
Q14	1573	76.2	521	79.1	2094	76.9
Q15	1074	52.0	293	44.5	1367	50.2
Q16	1012	49.0	272	41.3	1284	47.1
Q17	1347	65.2	388	58.9	1735	63.7
Q18	917	44.4	256	38.8	1173	43.1
Q19	339	16.4	122	18.5	461	16.9
Q20	794	38.5	271	41.1	1065	39.1
Q21	855	41.4	293	44.5	1148	42.1
Q22	563	27.3	146	22.2	709	26.0
Q23	670	32.4	224	34.0	894	32.8
Q24	927	44.9	268	40.7	1195	43.9
Q25	761	36.9	241	36.6	1002	36.8
Q26	728	35.3	202	30.7	930	34.1
Q27	742	35.9	215	32.6	957	35.1
Q28	981	47.5	342	51.9	1323	48.6
Q29	1070	51.8	298	45.2	1368	50.2

Q30	1053	51.0	350	53.1	1403	51.5
Q31	914	44.3	302	45.8	1216	44.6
Q32	860	41.6	279	42.3	1139	41.8
Q33	945	45.8	324	49.2	1269	46.6
Q34	644	31.2	203	30.8	847	31.1
Q35	1006	48.7	289	43.9	1295	47.5
Q36	754	36.5	220	33.4	974	35.8
Q37	776	37.6	249	37.8	1025	37.6
Q38	921	44.6	310	47.0	1231	45.2
Q39	1181	57.2	381	57.8	1562	57.3
Q40	534	25.9	134	20.3	668	24.5
Q41	1115	54.0	371	56.3	1486	54.6
Q42	1351	65.4	444	67.4	1795	65.9
Q43	1200	58.1	391	59.3	1591	58.4
Q44	959	46.4	285	43.2	1244	45.7
Q45	307	14.9	98	14.9	405	14.9
Q46	674	32.6	205	31.1	879	32.3
Q47	652	31.6	196	29.7	848	31.1
Q48	786	38.1	217	32.9	1003	36.8
Q49	1097	53.1	365	55.4	1462	53.7
Q50	872	42.2	293	44.5	1165	42.8
Q51	1056	51.1	303	46.0	1359	49.9
Q52	903	43.7	293	44.5	1196	43.9
Q53	610	29.5	220	33.4	830	30.5
Q54	1262	61.1	377	57.2	1639	60.2
Q55	970	47.0	328	49.8	1298	47.7
Q56	1244	60.2	403	61.2	1647	60.5
Q57	750	36.3	235	35.7	985	36.2
Q58	448	21.7	132	20.0	580	21.3
Q59	892	43.2	265	40.2	1157	42.5
Q60	646	31.3	228	34.6	874	32.1
Total Students	2065		659		2724	

Different questions have got different competencies which are incorporated in the Text Books. Table 3.3.1 which includes sets 31 and 32 shows the type of questions that are answered

correctly by the students of both rural and urban area. This gives an insight into the achievement level of students in terms of competencies acquired by them in Science.

Table 3.3.2 : Gender and question wise number of correct Response in Science

SET-- 31

Serial No. of Questions	Boys		Girls		Total	
	N	%	N	%	N	%
Q1	364	29.0	416	27.6	780	28.2
Q2	508	40.4	664	44.1	1172	42.4
Q3	741	58.9	893	59.3	1634	59.2
Q4	838	66.7	1043	69.3	1881	68.1
Q5	895	71.2	1074	71.4	1969	71.3
Q6	630	50.1	803	53.4	1433	51.9
Q7	728	57.9	893	59.3	1621	58.7
Q8	663	52.7	824	54.8	1487	53.8
Q9	947	75.3	1088	72.3	2035	73.7
Q10	631	50.2	763	50.7	1394	50.5
Q11	685	54.5	757	50.3	1442	52.2
Q12	707	56.2	781	51.9	1488	53.9
Q13	466	37.1	603	40.1	1069	38.7
Q14	31	2.5	83	5.5	114	4.1
Q15	665	52.9	751	49.9	1416	51.3
Q16	569	45.3	707	47.0	1276	46.2
Q17	813	64.7	935	62.1	1748	63.3
Q18	627	49.9	773	51.4	1400	50.7
Q19	387	30.8	563	37.4	950	34.4
Q20	532	42.3	639	42.5	1171	42.4
Q21	511	40.7	625	41.5	1136	41.1
Q22	344	27.4	445	29.6	789	28.6
Q23	433	34.4	545	36.2	978	35.4
Q24	639	50.8	729	48.4	1368	49.5
Q25	435	34.6	518	34.4	953	34.5

Q26	373	29.7	475	31.6	848	30.7
Q27	709	56.4	881	58.5	1590	57.6
Q28	654	52.0	731	48.6	1385	50.1
Q29	694	55.2	860	57.1	1554	56.3
Q30	757	60.2	963	64.0	1720	62.3
Q31	409	32.5	521	34.6	930	33.7
Q32	588	46.8	685	45.5	1273	46.1
Q33	155	12.3	159	10.6	314	11.4
Q34	509	40.5	599	39.8	1108	40.1
Q35	652	51.9	785	52.2	1437	52.0
Q36	633	50.4	738	49.0	1371	49.6
Q37	462	36.8	581	38.6	1043	37.8
Q38	605	48.1	758	50.4	1363	49.3
Q39	569	45.3	641	42.6	1210	43.8
Q40	493	39.2	552	36.7	1045	37.8
Q41	605	48.1	767	51.0	1372	49.7
Q42	694	55.2	890	59.1	1584	57.3
Q43	625	49.7	758	50.4	1383	50.1
Q44	779	62.0	944	62.7	1723	62.4
Q45	167	13.3	247	16.4	414	15.0
Q46	206	16.4	219	14.6	425	15.4
Q47	859	68.3	1021	67.8	1880	68.1
Q48	743	59.1	812	54.0	1555	56.3
Q49	685	54.5	838	55.7	1523	55.1
Q50	428	34.0	495	32.9	923	33.4
Q51	630	50.1	788	52.4	1418	51.3
Q52	586	46.6	637	42.3	1223	44.3
Q53	171	13.6	183	12.2	354	12.8
Q54	752	59.8	899	59.7	1651	59.8
Q55	602	47.9	704	46.8	1306	47.3
Q56	763	60.7	925	61.5	1688	61.1
Q57	606	48.2	731	48.6	1337	48.4
Q58	517	41.1	567	37.7	1084	39.2
Q59	441	35.1	535	35.5	976	35.3
Q60	412	32.8	495	32.9	907	32.8

Total Students	1257	1505	2762
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SET-- 32

Serial No. of Questions	Boys		Girls		Total	
	N	%	N	%	N	%
Q1	551	45.8	694	45.6	1245	45.7
Q2	965	80.3	1209	79.4	2174	79.8
Q3	820	68.2	1022	67.1	1842	67.6
Q4	536	44.6	688	45.2	1224	44.9
Q5	282	23.5	371	24.4	653	24.0
Q6	655	54.5	862	56.6	1517	55.7
Q7	379	31.5	442	29.0	821	30.1
Q8	553	46.0	726	47.7	1279	47.0
Q9	313	26.0	363	23.9	676	24.8
Q10	618	51.4	746	49.0	1364	50.1
Q11	458	38.1	626	41.1	1084	39.8
Q12	558	46.4	737	48.4	1295	47.5
Q13	449	37.4	579	38.0	1028	37.7
Q14	977	81.3	1117	73.4	2094	76.9
Q15	606	50.4	761	50.0	1367	50.2
Q16	583	48.5	701	46.1	1284	47.1
Q17	766	63.7	969	63.7	1735	63.7
Q18	506	42.1	667	43.8	1173	43.1
Q19	195	16.2	266	17.5	461	16.9
Q20	454	37.8	611	40.1	1065	39.1
Q21	493	41.0	655	43.0	1148	42.1
Q22	303	25.2	406	26.7	709	26.0
Q23	386	32.1	508	33.4	894	32.8
Q24	519	43.2	676	44.4	1195	43.9
Q25	442	36.8	560	36.8	1002	36.8

Q26	419	34.9	511	33.6	930	34.1
Q27	415	34.5	542	35.6	957	35.1
Q28	589	49.0	734	48.2	1323	48.6
Q29	623	51.8	745	48.9	1368	50.2
Q30	611	50.8	792	52.0	1403	51.5
Q31	538	44.8	678	44.5	1216	44.6
Q32	505	42.0	634	41.7	1139	41.8
Q33	545	45.3	724	47.6	1269	46.6
Q34	397	33.0	450	29.6	847	31.1
Q35	572	47.6	723	47.5	1295	47.5
Q36	445	37.0	529	34.8	974	35.8
Q37	453	37.7	572	37.6	1025	37.6
Q38	516	42.9	715	47.0	1231	45.2
Q39	686	57.1	876	57.6	1562	57.3
Q40	275	22.9	393	25.8	668	24.5
Q41	653	54.3	833	54.7	1486	54.6
Q42	795	66.1	1000	65.7	1795	65.9
Q43	698	58.1	893	58.7	1591	58.4
Q44	553	46.0	691	45.4	1244	45.7
Q45	177	14.7	228	15.0	405	14.9
Q46	381	31.7	498	32.7	879	32.3
Q47	384	31.9	464	30.5	848	31.1
Q48	416	34.6	587	38.6	1003	36.8
Q49	641	53.3	821	53.9	1462	53.7
Q50	545	45.3	620	40.7	1165	42.8
Q51	590	49.1	769	50.5	1359	49.9
Q52	556	46.3	640	42.0	1196	43.9
Q53	346	28.8	484	31.8	830	30.5
Q54	744	61.9	895	58.8	1639	60.2
Q55	542	45.1	756	49.7	1298	47.7
Q56	740	61.6	907	59.6	1647	60.5
Q57	402	33.4	583	38.3	985	36.2
Q58	283	23.5	297	19.5	580	21.3
Q59	519	43.2	638	41.9	1157	42.5
Q60	347	28.9	527	34.6	874	32.1
Total Students	1202		1522		2724	

Table 3.3.2 which includes sets 31 and 32 shows the type of questions that are answered correctly by both boys and girls. This gives an insight into the achievement level of students in terms of competencies acquired by them in Science.

Table 3.3.3 : Response Analysis for all items of Science

SET-- 31

Item	0		1		2		3		4		5		Total N
	N	%	N	%	N	%	N	%	N	%	N	%	
Q1	51	1.8	404	14.6	585	21.2	780	28.2	914	33.1	28	1.0	2762
Q2	70	2.5	723	26.2	1172	42.4	419	15.2	352	12.7	26	0.9	2762
Q3	48	1.7	287	10.4	496	18.0	1634	59.2	275	10.0	22	0.8	2762
Q4	73	2.6	1881	68.1	329	11.9	204	7.4	252	9.1	23	0.8	2762
Q5	79	2.9	240	8.7	1969	71.3	277	10.0	181	6.6	16	0.6	2762
Q6	54	2.0	391	14.2	577	20.9	285	10.3	1433	51.9	22	0.8	2762
Q7	83	3.0	501	18.1	1621	58.7	246	8.9	291	10.5	20	0.7	2762
Q8	81	2.9	519	18.8	1487	53.8	331	12.0	318	11.5	26	0.9	2762
Q9	64	2.3	2035	73.7	262	9.5	240	8.7	141	5.1	20	0.7	2762
Q10	94	3.4	504	18.2	1394	50.5	324	11.7	427	15.5	19	0.7	2762
Q11	70	2.5	1442	52.2	423	15.3	483	17.5	323	11.7	21	0.8	2762
Q12	64	2.3	456	16.5	1488	53.9	480	17.4	254	9.2	20	0.7	2762
Q13	87	3.1	1069	38.7	309	11.2	1004	36.4	266	9.6	27	1.0	2762
Q14	47	1.7	195	7.1	135	4.9	2252	81.5	114	4.1	19	0.7	2762
Q15	66	2.4	413	15.0	1416	51.3	404	14.6	440	15.9	23	0.8	2762
Q16	66	2.4	722	26.1	1276	46.2	514	18.6	153	5.5	31	1.1	2762
Q17	55	2.0	259	9.4	385	13.9	1748	63.3	296	10.7	19	0.7	2762
Q18	76	2.8	1400	50.7	597	21.6	451	16.3	221	8.0	17	0.6	2762
Q19	63	2.3	1120	40.6	336	12.2	269	9.7	950	34.4	24	0.9	2762
Q20	71	2.6	564	20.4	1171	42.4	498	18.0	419	15.2	39	1.4	2762
Q21	48	1.7	1136	41.1	874	31.6	444	16.1	231	8.4	29	1.0	2762
Q22	112	4.1	772	28.0	855	31.0	789	28.6	222	8.0	12	0.4	2762

Q23	101	3.7	563	20.4	978	35.4	566	20.5	540	19.6	14	0.5	2762
Q24	54	2.0	1368	49.5	439	15.9	587	21.3	292	10.6	22	0.8	2762
Q25	65	2.4	953	34.5	779	28.2	426	15.4	520	18.8	19	0.7	2762
Q26	138	5.0	515	18.6	848	30.7	570	20.6	675	24.4	16	0.6	2762
Q27	53	1.9	1590	57.6	250	9.1	614	22.2	240	8.7	15	0.5	2762
Q28	99	3.6	1385	50.1	494	17.9	303	11.0	462	16.7	19	0.7	2762
Q29	107	3.9	355	12.9	393	14.2	1554	56.3	336	12.2	17	0.6	2762
Q30	51	1.8	302	10.9	1720	62.3	425	15.4	256	9.3	8	0.3	2762
Q31	128	4.6	693	25.1	539	19.5	457	16.5	930	33.7	15	0.5	2762
Q32	99	3.6	1273	46.1	494	17.9	502	18.2	373	13.5	21	0.8	2762
Q33	83	3.0	770	27.9	374	13.5	1205	43.6	314	11.4	16	0.6	2762
Q34	117	4.2	1108	40.1	666	24.1	397	14.4	458	16.6	16	0.6	2762
Q35	102	3.7	1437	52.0	533	19.3	447	16.2	226	8.2	17	0.6	2762
Q36	91	3.3	599	21.7	1371	49.6	377	13.6	307	11.1	17	0.6	2762
Q37	93	3.4	1043	37.8	782	28.3	323	11.7	501	18.1	20	0.7	2762
Q38	72	2.6	1002	36.3	1363	49.3	174	6.3	130	4.7	21	0.8	2762
Q39	132	4.8	315	11.4	576	20.9	1210	43.8	507	18.4	22	0.8	2762
Q40	86	3.1	478	17.3	365	13.2	769	27.8	1045	37.8	19	0.7	2762
Q41	105	3.8	1372	49.7	402	14.6	481	17.4	385	13.9	17	0.6	2762
Q42	74	2.7	295	10.7	461	16.7	335	12.1	1584	57.3	13	0.5	2762
Q43	132	4.8	533	19.3	1383	50.1	473	17.1	226	8.2	15	0.5	2762
Q44	105	3.8	327	11.8	366	13.3	1723	62.4	226	8.2	15	0.5	2762
Q45	83	3.0	414	15.0	1660	60.1	274	9.9	318	11.5	13	0.5	2762
Q46	152	5.5	986	35.7	695	25.2	425	15.4	474	17.2	30	1.1	2762
Q47	73	2.6	202	7.3	300	10.9	295	10.7	1880	68.1	12	0.4	2762
Q48	140	5.1	1555	56.3	354	12.8	467	16.9	207	7.5	39	1.4	2762
Q49	123	4.5	469	17.0	1523	55.1	372	13.5	266	9.6	9	0.3	2762
Q50	148	5.4	923	33.4	744	26.9	468	16.9	451	16.3	28	1.0	2762
Q51	81	2.9	504	18.2	482	17.5	1418	51.3	246	8.9	31	1.1	2762
Q52	95	3.4	852	30.8	1223	44.3	334	12.1	240	8.7	18	0.7	2762
Q53	129	4.7	354	12.8	960	34.8	490	17.7	818	29.6	11	0.4	2762
Q54	102	3.7	299	10.8	366	13.3	1651	59.8	324	11.7	20	0.7	2762
Q55	91	3.3	553	20.0	406	14.7	388	14.0	1306	47.3	18	0.7	2762

Q56	75	2.7	1688	61.1	226	8.2	254	9.2	506	18.3	13	0.5	2762
Q57	82	3.0	301	10.9	1337	48.4	359	13.0	664	24.0	19	0.7	2762
Q58	110	4.0	1084	39.2	912	33.0	400	14.5	241	8.7	15	0.5	2762
Q59	130	4.7	557	20.2	487	17.6	976	35.3	592	21.4	20	0.7	2762
Q60	134	4.9	744	26.9	607	22.0	907	32.8	345	12.5	25	0.9	2762

SET--32

Item	0		1		2		3		4		5		Total
	N	%	N	%	N	%	N	%	N	%	N	%	
Q1	78	2.9	706	25.9	1245	45.7	202	7.4	454	16.7	39	1.4	2724
Q2	36	1.3	2174	79.8	248	9.1	134	4.9	119	4.4	13	0.5	2724
Q3	99	3.6	329	12.1	1842	67.6	329	12.1	101	3.7	24	0.9	2724
Q4	97	3.6	1224	44.9	873	32.0	278	10.2	237	8.7	15	0.6	2724
Q5	69	2.5	413	15.2	798	29.3	653	24.0	774	28.4	17	0.6	2724
Q6	80	2.9	1517	55.7	343	12.6	328	12.0	445	16.3	11	0.4	2724
Q7	79	2.9	821	30.1	1039	38.1	320	11.7	451	16.6	14	0.5	2724
Q8	130	4.8	599	22.0	1279	47.0	468	17.2	217	8.0	31	1.1	2724
Q9	89	3.3	980	36.0	676	24.8	775	28.5	185	6.8	19	0.7	2724
Q10	91	3.3	385	14.1	509	18.7	1364	50.1	356	13.1	19	0.7	2724
Q11	94	3.5	616	22.6	1084	39.8	381	14.0	534	19.6	15	0.6	2724
Q12	179	6.6	515	18.9	1295	47.5	420	15.4	302	11.1	13	0.5	2724
Q13	80	2.9	1028	37.7	319	11.7	997	36.6	263	9.7	37	1.4	2724
Q14	52	1.9	207	7.6	178	6.5	2094	76.9	165	6.1	28	1.0	2724
Q15	71	2.6	433	15.9	1367	50.2	391	14.4	435	16.0	27	1.0	2724
Q16	40	1.5	773	28.4	1284	47.1	473	17.4	131	4.8	23	0.8	2724
Q17	43	1.6	268	9.8	399	14.6	1735	63.7	255	9.4	24	0.9	2724
Q18	75	2.8	1173	43.1	642	23.6	516	18.9	295	10.8	23	0.8	2724
Q19	94	3.5	1554	57.0	295	10.8	461	16.9	277	10.2	43	1.6	2724
Q20	97	3.6	493	18.1	1065	39.1	558	20.5	478	17.5	33	1.2	2724
Q21	58	2.1	1148	42.1	850	31.2	387	14.2	261	9.6	20	0.7	2724
Q22	110	4.0	855	31.4	808	29.7	709	26.0	221	8.1	21	0.8	2724
Q23	119	4.4	544	20.0	894	32.8	617	22.7	534	19.6	16	0.6	2724

Q24	64	2.3	1195	43.9	472	17.3	617	22.7	350	12.8	26	1.0	2724
Q25	85	3.1	1002	36.8	689	25.3	419	15.4	515	18.9	14	0.5	2724
Q26	84	3.1	930	34.1	702	25.8	426	15.6	560	20.6	22	0.8	2724
Q27	55	2.0	955	35.1	358	13.1	957	35.1	379	13.9	20	0.7	2724
Q28	110	4.0	1323	48.6	581	21.3	461	16.9	233	8.6	16	0.6	2724
Q29	92	3.4	1368	50.2	452	16.6	416	15.3	385	14.1	11	0.4	2724
Q30	109	4.0	389	14.3	540	19.8	140 3	51.5	266	9.8	17	0.6	2724
Q31	96	3.5	1216	44.6	557	20.4	314	11.5	532	19.5	9	0.3	2724
Q32	95	3.5	495	18.2	1139	41.8	504	18.5	479	17.6	12	0.4	2724
Q33	99	3.6	1269	46.6	342	12.6	336	12.3	673	24.7	5	0.2	2724
Q34	91	3.3	792	29.1	623	22.9	847	31.1	355	13.0	16	0.6	2724
Q35	74	2.7	1295	47.5	334	12.3	652	23.9	358	13.1	11	0.4	2724
Q36	91	3.3	592	21.7	626	23.0	974	35.8	432	15.9	9	0.3	2724
Q37	120	4.4	888	32.6	1025	37.6	352	12.9	328	12.0	11	0.4	2724
Q38	127	4.7	1231	45.2	809	29.7	359	13.2	183	6.7	15	0.6	2724
Q39	85	3.1	281	10.3	490	18.0	1562	57.3	286	10.5	20	0.7	2724
Q40	127	4.7	590	21.7	787	28.9	533	19.6	668	24.5	19	0.7	2724
Q41	102	3.7	382	14.0	329	12.1	411	15.1	148 6	54.6	14	0.5	2724
Q42	93	3.4	302	11.1	1795	65.9	283	10.4	240	8.8	11	0.4	2724
Q43	113	4.1	283	10.4	448	16.4	1591	58.4	272	10.0	17	0.6	2724
Q44	90	3.3	1244	45.7	781	28.7	397	14.6	192	7.0	20	0.7	2724
Q45	108	4.0	405	14.9	437	16.0	352	12.9	140 2	51.5	20	0.7	2724
Q46	161	5.9	703	25.8	603	22.1	879	32.3	355	13.0	23	0.8	2724
Q47	141	5.2	632	23.2	554	20.3	848	31.1	534	19.6	15	0.6	2724
Q48	173	6.4	1003	36.8	671	24.6	553	20.3	313	11.5	11	0.4	2724
Q49	117	4.3	555	20.4	379	13.9	1462	53.7	204	7.5	7	0.3	2724
Q50	169	6.2	464	17.0	654	24.0	1165	42.8	265	9.7	7	0.3	2724
Q51	84	3.1	490	18.0	527	19.3	1359	49.9	233	8.6	31	1.1	2724
Q52	94	3.5	881	32.3	1196	43.9	319	11.7	219	8.0	15	0.6	2724
Q53	116	4.3	373	13.7	902	33.1	481	17.7	830	30.5	22	0.8	2724
Q54	96	3.5	271	9.9	387	14.2	1639	60.2	306	11.2	25	0.9	2724
Q55	101	3.7	405	14.9	425	15.6	478	17.5	1298	47.7	17	0.6	2724
Q56	116	4.3	328	12.0	244	9.0	1647	60.5	368	13.5	21	0.8	2724
Q57	127	4.7	339	12.4	985	36.2	370	13.6	886	32.5	17	0.6	2724
Q58	88	3.2	1323	48.6	556	20.4	580	21.3	152	5.6	25	0.9	2724
Q59	115	4.2	445	16.3	1157	42.5	637	23.4	361	13.3	9	0.3	2724

Q60	102	3.7	650	23.9	703	25.8	371	13.6	874	32.1	24	0.9	2724
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All the questions have got four options out of which students are to response only one which is correct. Answer Keys of questions are different which varies from 1 to 4. Table 3.3.3 which includes sets 31 and 32 shows the responses of all the students .Here responses 0 and 5 indicate No response and Multiple responses respectively.

CHAPTER-4

Students achievement in Social Science

Table 4.1 : Gender wise and Area wise Achievement in Social Science

Gender	Rural			Urban			t	Total		
	N	Mean %	SD	N	Mean %	S D		N	Mean %	SD
Boys	1872	44	11	572	45	10	123.39	2444	44	11
Girls	2361	44	11	688	43	10	135.33	3049	43	11
Total	4233	44	11	1260	44	10		5493	44	11
Mean Difference	26.20			26.39				26.24		
T	157.54			94.36				183.12		

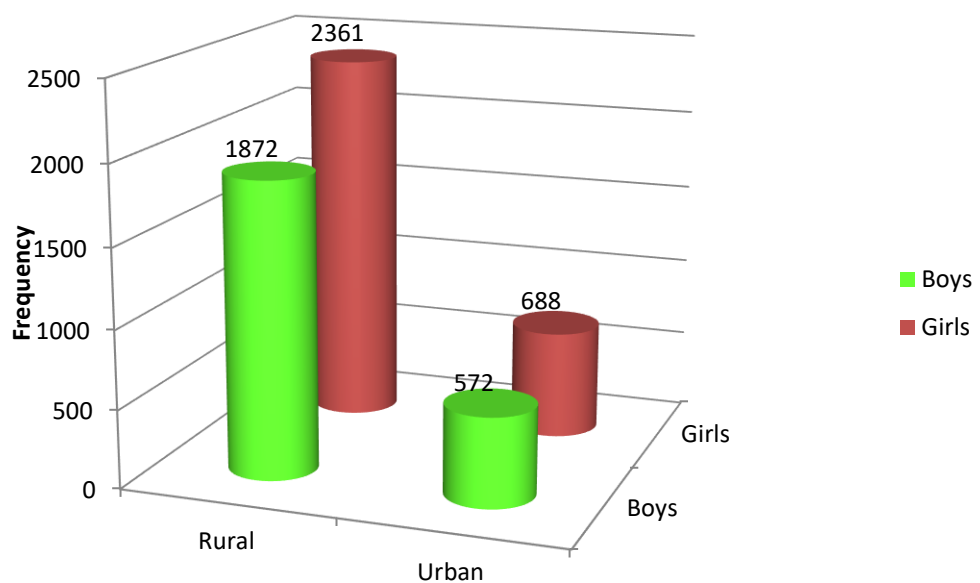


Fig : 4.1 Showing Gender wise and Area wise Achievement in Social Science

It is seen from the table 4.1 that the mean achievement percentage of students in Social Science is 44% and mean achievement percentage in the subject is 44% and 43% for boys and girls respectively. As reflected in the table there is no significant difference in mean achievement between the student of rural and urban area. However girls of rural area also have done slightly better than that of urban area but contrary to this boys of rural area have done slightly better than that of urban area.

Table 4.2 : District wise and Gender wise Achievement in Social Science

Districts	Boys			Girls			t	Total			Rank
	N	Mean %	SD	N	Mean %	SD		N	Mean %	SD	
Chirang	100	53	9	100	54	9	48.99	200	54	9	1
Darrang	146	53	10	138	52	11	50.59	284	52	10	3
Dhubri	214	55	9	255	54	8	80.81	469	54	9	1
Dibrugarh	169	41	9	257	41	8	59.18	426	41	9	10
Goalpara	146	25	4	303	25	3	90.89	449	25	4	13
Golaghat	171	24	4	239	23	3	81.80	410	24	4	14
Jorhat	202	52	9	206	50	9	69.42	408	51	9	5
Kamrup	242	42	10	254	39	10	53.33	496	40	10	11
KarbiAnglong	203	39	11	233	41	10	48.43	436	40	10	11
Kokrajhar	171	43	10	158	51	12	46.86	329	47	11	8
Lakhimpur	197	47	10	261	51	9	67.54	458	50	9	6
Morigaon	115	52	8	174	52	9	64.39	289	52	8	3
Nalbari	122	47	11	177	49	11	43.86	299	48	11	7
Sonitpur	246	45	9	294	47	9	69.75	540	46	9	9
Total	2444	44	11	3049	43	11		5493	44	11	

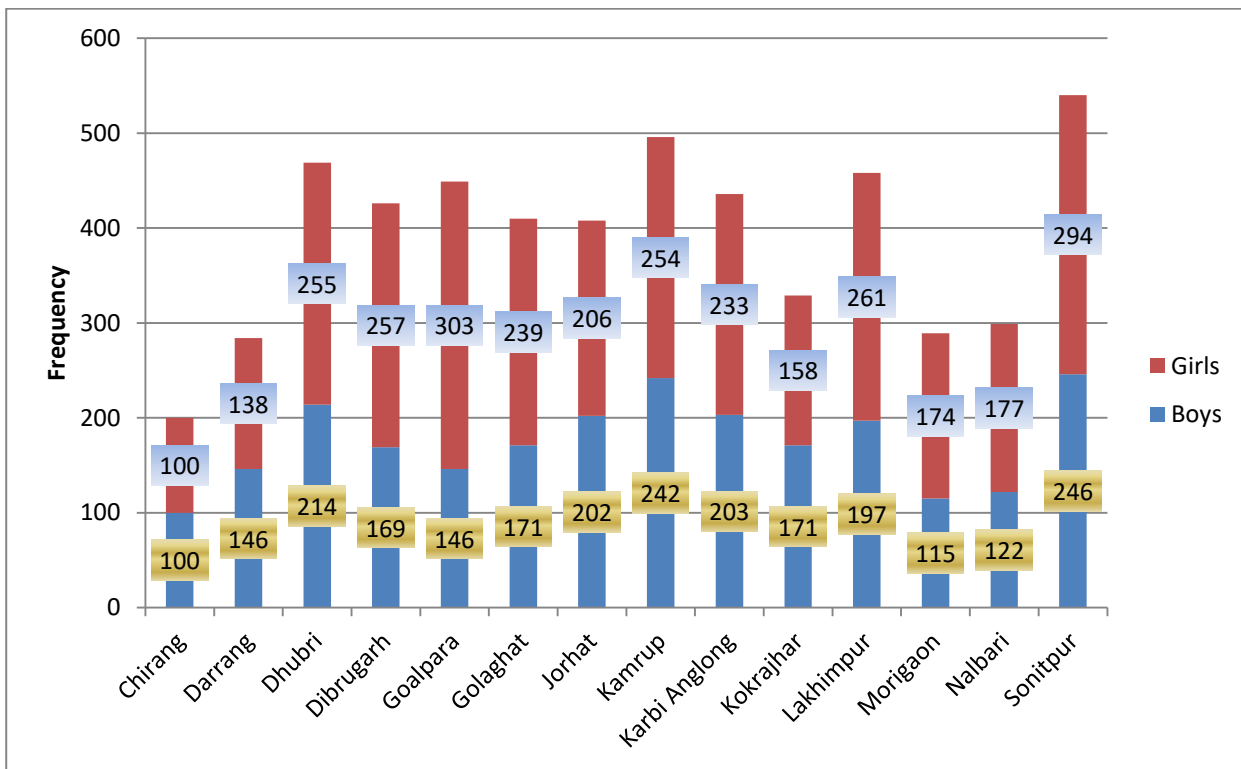


Fig : 4.2 Showing District wise and Gender wise Achievement in Social Science

From table 4.2 it is seen that achievement level of the students of Chirang district in social science is highest with 54% and the lowest in Golaghat district with 24%. However achievement level of boy’s is highest in Dhubri and lowest in Golaghat with 55% and 24% respectively. In case of girls it is highest in Chirang and Dhubri districts and lowest in Golaghat with 23%.

Table 4.3 : District wise and Area wise Achievement in Social Science

Districts	Rural			Urban			t	Total			Rank
	N	Mean %	SD	N	Mean %	SD		N	Mean%	SD	
Chirang	152	52	10	48	59	7	48.99	200	54	9	1
Darrang	224	54	10	60	46	10	50.59	284	52	10	3
Dhubri	330	56	8	139	50	9	80.81	469	54	9	1
Dibrugarh	384	38	7	42	63	6	59.18	426	41	9	10
Goalpara	376	25	4	73	26	3	90.89	449	25	4	13

Golaghat	328	24	3	82	24	5	81.80	410	24	4	14
Jorhat	312	50	9	96	53	8	69.42	408	51	9	5
Kamrup	413	38	10	83	54	8	53.33	496	40	10	11
KarbiAngl ong	263	45	11	173	33	6	48.43	436	40	10	11
Kokrajhar	270	48	11	59	42	7	46.86	329	47	11	8
Lakhimpur	344	50	10	114	50	7	67.54	458	50	9	6
Morigaon	216	52	7	73	50	10	64.39	289	52	8	3
Nalbari	212	51	11	87	42	10	43.86	299	48	11	7
Sonitpur	409	47	9	131	43	8	69.75	540	46	9	9
Total	4233	44	11	1260	44	10		5493	44	11	

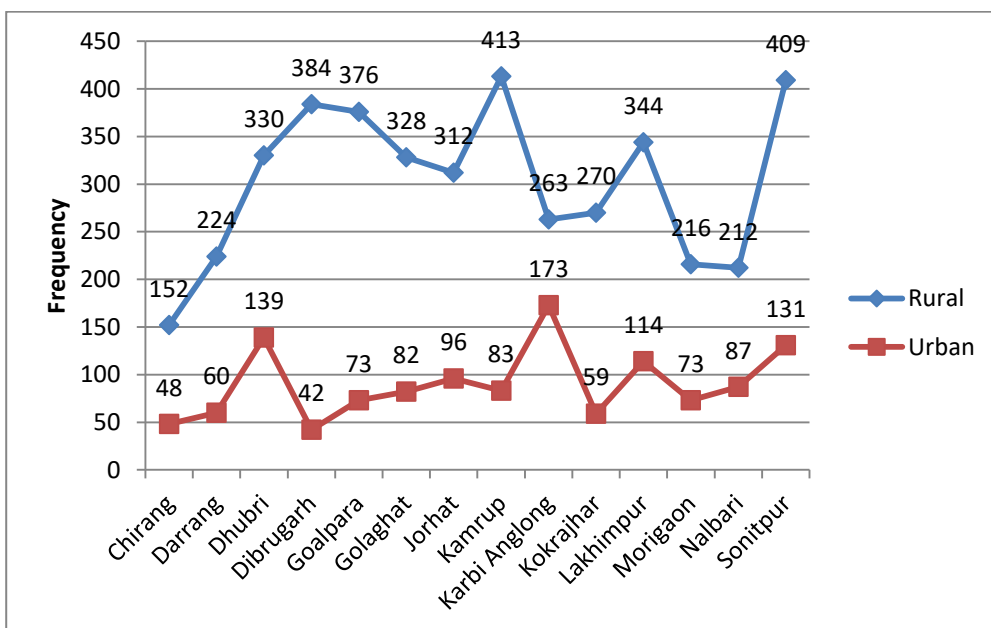


Fig : 4.3 Showing District wise and Area wise Achievement in Social Science

Table 4.3 shows that there is no significant difference between rural and urban student's achievement. The mean percentage of achievement of both rural and urban students is 44%. Achievement of rural students is highest in Dhubri districts with 56% and lowest in Golaghat district with 24%. The table also reveals that, the achievement of urban students is also lowest in Golaghat district with 26% and highest in Chirang and Dhubri districts with 54%.

Table 4.1.1 : Area wise and Question wise number of correct Response in Social Science

SET- 41

Serial No. of Questions	Rural		Urban		Total	
	N	%	N	%	N	%
Q1	712	33.2	172	28.0	884	32.0
Q2	953	44.4	216	35.1	1169	42.4
Q3	641	29.9	198	32.2	839	30.4
Q4	859	40.0	233	37.9	1092	39.6
Q5	833	38.8	264	42.9	1097	39.7
Q6	1016	47.4	250	40.7	1266	45.9
Q7	1256	58.6	370	60.2	1626	58.9
Q8	552	25.7	152	24.7	704	25.5
Q9	762	35.5	220	35.8	982	35.6
Q10	685	31.9	222	36.1	907	32.9
Q11	1257	58.6	381	62.0	1638	59.3
Q12	986	46.0	279	45.4	1265	45.8
Q13	1201	56.0	366	59.5	1567	56.8
Q14	776	36.2	242	39.3	1018	36.9
Q15	1440	67.1	433	70.4	1873	67.9
Q16	403	18.8	97	15.8	500	18.1
Q17	906	42.2	244	39.7	1150	41.7
Q18	878	40.9	272	44.2	1150	41.7
Q19	1250	58.3	343	55.8	1593	57.7
Q20	646	30.1	216	35.1	862	31.2
Q21	1564	72.9	473	76.9	2037	73.8
Q22	959	44.7	248	40.3	1207	43.7
Q23	1342	62.6	438	71.2	1780	64.5
Q24	1371	63.9	423	68.8	1794	65.0
Q25	999	46.6	250	40.7	1249	45.3
Q26	962	44.8	220	35.8	1182	42.8

Q27	813	37.9	207	33.7	1020	37.0
Q28	777	36.2	233	37.9	1010	36.6
Q29	905	42.2	216	35.1	1121	40.6
Q30	1057	49.3	286	46.5	1343	48.7
Q31	604	28.2	157	25.5	761	27.6
Q32	968	45.1	302	49.1	1270	46.0
Q33	630	29.4	186	30.2	816	29.6
Q34	958	44.7	320	52.0	1278	46.3
Q35	1377	64.2	358	58.2	1735	62.9
Q36	1035	48.3	330	53.7	1365	49.5
Q37	1022	47.6	296	48.1	1318	47.8
Q38	1041	48.5	290	47.2	1331	48.2
Q39	1363	63.5	419	68.1	1782	64.6
Q40	1262	58.8	360	58.5	1622	58.8
Q41	640	29.8	189	30.7	829	30.0
Q42	939	43.8	257	41.8	1196	43.3
Q43	909	42.4	247	40.2	1156	41.9
Q44	608	28.3	176	28.6	784	28.4
Q45	860	40.1	256	41.6	1116	40.4
Q46	1021	47.6	230	37.4	1251	45.3
Q47	697	32.5	178	28.9	875	31.7
Q48	765	35.7	243	39.5	1008	36.5
Q49	77	3.6	15	2.4	92	3.3
Q50	1264	58.9	359	58.4	1623	58.8
Q51	1108	51.7	359	58.4	1467	53.2
Q52	765	35.7	211	34.3	976	35.4
Q53	916	42.7	253	41.1	1169	42.4
Q54	776	36.2	228	37.1	1004	36.4
Q55	1162	54.2	312	50.7	1474	53.4
Q56	762	35.5	188	30.6	950	34.4
Q57	634	29.6	167	27.2	801	29.0
Q58	870	40.6	241	39.2	1111	40.3
Q59	1238	57.7	387	62.9	1625	58.9
Q60	975	45.5	261	42.4	1236	44.8
Total Students	2145		615		2760	

SET-42

Serial No. of Questions	Rural		Urban		Total	
	N	%	N	%	N	%
Q1	807	38.6	244	37.8	1051	38.5
Q2	1225	58.7	377	58.4	1602	58.6
Q3	905	43.3	307	47.6	1212	44.3
Q4	1214	58.1	373	57.8	1587	58.1
Q5	386	18.5	153	23.7	539	19.7
Q6	1170	56.0	347	53.8	1517	55.5
Q7	941	45.1	285	44.2	1226	44.9
Q8	1135	54.4	336	52.1	1471	53.8
Q9	228	10.9	76	11.8	304	11.1
Q10	756	36.2	222	34.4	978	35.8
Q11	1035	49.6	326	50.5	1361	49.8
Q12	1348	64.6	393	60.9	1741	63.7
Q13	722	34.6	197	30.5	919	33.6
Q14	1459	69.9	482	74.7	1941	71.0
Q15	314	15.0	104	16.1	418	15.3
Q16	721	34.5	182	28.2	903	33.0
Q17	318	15.2	80	12.4	398	14.6
Q18	1331	63.7	440	68.2	1771	64.8
Q19	1087	52.1	336	52.1	1423	52.1
Q20	1255	60.1	424	65.7	1679	61.4
Q21	759	36.4	277	42.9	1036	37.9
Q22	937	44.9	296	45.9	1233	45.1
Q23	921	44.1	330	51.2	1251	45.8
Q24	1236	59.2	439	68.1	1675	61.3
Q25	1205	57.7	353	54.7	1558	57.0
Q26	711	34.1	216	33.5	927	33.9
Q27	1275	61.1	380	58.9	1655	60.6
Q28	741	35.5	214	33.2	955	34.9
Q29	339	16.2	120	18.6	459	16.8
Q30	1151	55.1	368	57.1	1519	55.6
Q31	651	31.2	191	29.6	842	30.8
Q32	591	28.3	195	30.2	786	28.8
Q33	1067	51.1	351	54.4	1418	51.9
Q34	1073	51.4	337	52.2	1410	51.6

Q35	571	27.3	210	32.6	781	28.6
Q36	855	40.9	261	40.5	1116	40.8
Q37	544	26.1	170	26.4	714	26.1
Q38	1027	49.2	333	51.6	1360	49.8
Q39	1104	52.9	345	53.5	1449	53.0
Q40	59	2.8	15	2.3	74	2.7
Q41	1508	72.2	502	77.8	2010	73.5
Q42	869	41.6	238	36.9	1107	40.5
Q43	1244	59.6	420	65.1	1664	60.9
Q44	1267	60.7	428	66.4	1695	62.0
Q45	889	42.6	257	39.8	1146	41.9
Q46	981	47.0	243	37.7	1224	44.8
Q47	862	41.3	236	36.6	1098	40.2
Q48	707	33.9	245	38.0	952	34.8
Q49	867	41.5	219	34.0	1086	39.7
Q50	943	45.2	291	45.1	1234	45.2
Q51	925	44.3	325	50.4	1250	45.7
Q52	825	39.5	252	39.1	1077	39.4
Q53	633	30.3	213	33.0	846	31.0
Q54	928	44.4	285	44.2	1213	44.4
Q55	890	42.6	292	45.3	1182	43.2
Q56	933	44.7	316	49.0	1249	45.7
Q57	1007	48.2	332	51.5	1339	49.0
Q58	921	44.1	287	44.5	1208	44.2
Q59	1348	64.6	451	69.9	1799	65.8
Q60	1183	56.7	389	60.3	1572	57.5
Total Students	2088		645		2733	

Different questions have got different competencies which are incorporated in the Text Books. Table 4.2.1 which includes sets 41 and 42 shows the type of questions that are answered correctly by the students of both rural and urban area. This gives an insight into the achievement level of students in terms of competencies acquired by them.

Table 4.2.2 : Gender and question wise number of correct Response in Social Science

SET-41

Serial No. of Questions	Boys		Girls		Total	
	N	%	N	%	N	%
Q1	370	30.0	514	33.7	884	32.0

Q2	532	43.1	637	41.8	1169	42.4
Q3	379	30.7	460	30.2	839	30.4
Q4	513	41.5	579	38.0	1092	39.6
Q5	453	36.7	644	42.2	1097	39.7
Q6	562	45.5	704	46.2	1266	45.9
Q7	732	59.3	894	58.6	1626	58.9
Q8	315	25.5	389	25.5	704	25.5
Q9	452	36.6	530	34.8	982	35.6
Q10	428	34.7	479	31.4	907	32.9
Q11	722	58.5	916	60.1	1638	59.3
Q12	556	45.0	709	46.5	1265	45.8
Q13	734	59.4	833	54.6	1567	56.8
Q14	469	38.0	549	36.0	1018	36.9
Q15	843	68.3	1030	67.5	1873	67.9
Q16	217	17.6	283	18.6	500	18.1
Q17	497	40.2	653	42.8	1150	41.7
Q18	492	39.8	658	43.1	1150	41.7
Q19	716	58.0	877	57.5	1593	57.7
Q20	405	32.8	457	30.0	862	31.2
Q21	929	75.2	1108	72.7	2037	73.8
Q22	545	44.1	662	43.4	1207	43.7
Q23	797	64.5	983	64.5	1780	64.5
Q24	809	65.5	985	64.6	1794	65.0
Q25	528	42.8	721	47.3	1249	45.3
Q26	498	40.3	684	44.9	1182	42.8
Q27	451	36.5	569	37.3	1020	37.0
Q28	468	37.9	542	35.5	1010	36.6
Q29	526	42.6	595	39.0	1121	40.6
Q30	595	48.2	748	49.0	1343	48.7
Q31	348	28.2	413	27.1	761	27.6
Q32	590	47.8	680	44.6	1270	46.0
Q33	346	28.0	470	30.8	816	29.6
Q34	592	47.9	686	45.0	1278	46.3
Q35	785	63.6	950	62.3	1735	62.9
Q36	621	50.3	744	48.8	1365	49.5
Q37	597	48.3	721	47.3	1318	47.8
Q38	570	46.2	761	49.9	1331	48.2

Q39	804	65.1	978	64.1	1782	64.6
Q40	725	58.7	897	58.8	1622	58.8
Q41	364	29.5	465	30.5	829	30.0
Q42	499	40.4	697	45.7	1196	43.3
Q43	538	43.6	618	40.5	1156	41.9
Q44	345	27.9	439	28.8	784	28.4
Q45	506	41.0	610	40.0	1116	40.4
Q46	550	44.5	701	46.0	1251	45.3
Q47	409	33.1	466	30.6	875	31.7
Q48	445	36.0	563	36.9	1008	36.5
Q49	43	3.5	49	3.2	92	3.3
Q50	753	61.0	870	57.0	1623	58.8
Q51	673	54.5	794	52.1	1467	53.2
Q52	433	35.1	543	35.6	976	35.4
Q53	550	44.5	619	40.6	1169	42.4
Q54	465	37.7	539	35.3	1004	36.4
Q55	678	54.9	796	52.2	1474	53.4
Q56	453	36.7	497	32.6	950	34.4
Q57	355	28.7	446	29.2	801	29.0
Q58	497	40.2	614	40.3	1111	40.3
Q59	745	60.3	880	57.7	1625	58.9
Q60	548	44.4	688	45.1	1236	44.8
Total Students	1235		1525		2760	

SET- 42

Serial No. of Questions	Boys		Girls		Total	
	N	%	N	%	N	%
Q1	448	37.1	603	39.6	1051	38.5
Q2	728	60.2	874	57.3	1602	58.6
Q3	546	45.2	666	43.7	1212	44.3
Q4	702	58.1	885	58.1	1587	58.1
Q5	272	22.5	267	17.5	539	19.7
Q6	687	56.8	830	54.5	1517	55.5
Q7	515	42.6	711	46.7	1226	44.9

Q8	689	57.0	782	51.3	1471	53.8
Q9	134	11.1	170	11.2	304	11.1
Q10	420	34.7	558	36.6	978	35.8
Q11	586	48.5	775	50.9	1361	49.8
Q12	782	64.7	959	62.9	1741	63.7
Q13	375	31.0	544	35.7	919	33.6
Q14	862	71.3	1079	70.8	1941	71.0
Q15	197	16.3	221	14.5	418	15.3
Q16	387	32.0	516	33.9	903	33.0
Q17	163	13.5	235	15.4	398	14.6
Q18	797	65.9	974	63.9	1771	64.8
Q19	635	52.5	788	51.7	1423	52.1
Q20	741	61.3	938	61.5	1679	61.4
Q21	463	38.3	573	37.6	1036	37.9
Q22	568	47.0	665	43.6	1233	45.1
Q23	579	47.9	672	44.1	1251	45.8
Q24	774	64.0	901	59.1	1675	61.3
Q25	684	56.6	874	57.3	1558	57.0
Q26	384	31.8	543	35.6	927	33.9
Q27	725	60.0	930	61.0	1655	60.6
Q28	428	35.4	527	34.6	955	34.9
Q29	195	16.1	264	17.3	459	16.8
Q30	698	57.7	821	53.9	1519	55.6
Q31	373	30.9	469	30.8	842	30.8
Q32	358	29.6	428	28.1	786	28.8
Q33	631	52.2	787	51.6	1418	51.9
Q34	634	52.4	776	50.9	1410	51.6
Q35	364	30.1	417	27.4	781	28.6
Q36	483	40.0	633	41.5	1116	40.8
Q37	327	27.0	387	25.4	714	26.1
Q38	584	48.3	776	50.9	1360	49.8
Q39	645	53.3	804	52.8	1449	53.0
Q40	33	2.7	41	2.7	74	2.7
Q41	891	73.7	1119	73.4	2010	73.5

Q42	505	41.8	602	39.5	1107	40.5
Q43	745	61.6	919	60.3	1664	60.9
Q44	764	63.2	931	61.1	1695	62.0
Q45	502	41.5	644	42.3	1146	41.9
Q46	549	45.4	675	44.3	1224	44.8
Q47	492	40.7	606	39.8	1098	40.2
Q48	417	34.5	535	35.1	952	34.8
Q49	471	39.0	615	40.4	1086	39.7
Q50	557	46.1	677	44.4	1234	45.2
Q51	562	46.5	688	45.1	1250	45.7
Q52	491	40.6	586	38.5	1077	39.4
Q53	393	32.5	453	29.7	846	31.0
Q54	556	46.0	657	43.1	1213	44.4
Q55	561	46.4	621	40.7	1182	43.2
Q56	539	44.6	710	46.6	1249	45.7
Q57	593	49.0	746	49.0	1339	49.0
Q58	564	46.7	644	42.3	1208	44.2
Q59	807	66.7	992	65.1	1799	65.8
Q60	701	58.0	871	57.2	1572	57.5
Total Students	1209		1524		2733	

Table 4.2.2 which includes sets 41 and 42 shows the type of questions that are answered correctly by both boys and girls. This gives an insight into the achievement level of students in terms of competencies acquired by them in Social Science.

Table 4.2.3 : Response Analysis for all items of Social Science

SET-- 41

Item s	0		1		2		3		4		5		Total
	N	%	N	%	N	%	N	%	N	%	N	%	
Q1	69	2.50	1189	43.10	401	14.50	884	32.00	194	7.00	23	0.80	2760
Q2	60	2.20	579	21.00	1169	42.40	640	23.20	277	10.00	35	1.30	2760
Q3	83	3.00	676	24.50	545	19.70	581	21.10	839	30.40	36	1.30	2760

Q4	105	3.80	1092	39.60	480	17.40	523	18.90	541	19.60	19	0.70	2760
Q5	82	3.00	797	28.90	388	14.10	373	13.50	1097	39.70	23	0.80	2760
Q6	53	1.90	644	23.30	610	22.10	1266	45.90	164	5.90	23	0.80	2760
Q7	72	2.60	342	12.40	431	15.60	1626	58.90	270	9.80	19	0.70	2760
Q8	81	2.90	704	25.50	1319	47.80	339	12.30	297	10.80	20	0.70	2760
Q9	54	2.00	1192	43.20	307	11.10	982	35.60	203	7.40	22	0.80	2760
Q10	60	2.20	338	12.20	1088	39.40	907	32.90	352	12.80	15	0.50	2760
Q11	44	1.60	288	10.40	425	15.40	1638	59.30	347	12.60	18	0.70	2760
Q12	74	2.70	395	14.30	583	21.10	417	15.10	1265	45.80	26	0.90	2760
Q13	55	2.00	583	21.10	1567	56.80	322	11.70	217	7.90	16	0.60	2760
Q14	95	3.40	1018	36.90	716	25.90	435	15.80	476	17.20	20	0.70	2760
Q15	58	2.10	190	6.90	384	13.90	243	8.80	1873	67.90	12	0.40	2760
Q16	61	2.20	1374	49.80	527	19.10	500	18.10	275	10.00	23	0.80	2760
Q17	53	1.90	440	15.90	620	22.50	457	16.60	1150	41.70	40	1.40	2760
Q18	59	2.10	907	32.90	1150	41.70	430	15.60	193	7.00	21	0.80	2760
Q19	59	2.10	478	17.30	389	14.10	1593	57.70	230	8.30	11	0.40	2760
Q20	111	4.00	868	31.40	862	31.20	536	19.40	351	12.70	32	1.20	2760
Q21	31	1.10	301	10.90	241	8.70	2037	73.80	140	5.10	10	0.40	2760
Q22	53	1.90	631	22.90	579	21.00	1207	43.70	254	9.20	36	1.30	2760
Q23	49	1.80	272	9.90	365	13.20	273	9.90	1780	64.50	21	0.80	2760
Q24	51	1.80	287	10.40	177	6.40	423	15.30	1794	65.00	28	1.00	2760
Q25	103	3.70	729	26.40	347	12.60	1249	45.30	307	11.10	25	0.90	2760
Q26	51	1.80	624	22.60	1182	42.80	519	18.80	354	12.80	30	1.10	2760
Q27	26	0.90	1056	38.30	375	13.60	1020	37.00	236	8.60	47	1.70	2760
Q28	64	2.30	602	21.80	591	21.40	472	17.10	1010	36.60	21	0.80	2760
Q29	42	1.50	551	20.00	1121	40.60	452	16.40	568	20.60	26	0.90	2760
Q30	33	1.20	243	8.80	1343	48.70	795	28.80	314	11.40	32	1.20	2760
Q31	72	2.60	761	27.60	926	33.60	709	25.70	269	9.70	23	0.80	2760
Q32	46	1.70	821	29.70	1270	46.00	333	12.10	274	9.90	16	0.60	2760
Q33	67	2.40	816	29.60	1140	41.30	394	14.30	325	11.80	18	0.70	2760

Q34	60	2.20	1278	46.30	455	16.50	534	19.30	416	15.10	17	0.60	2760
Q35	55	2.00	465	16.80	1735	62.90	260	9.40	224	8.10	21	0.80	2760
Q36	64	2.30	1365	49.50	520	18.80	408	14.80	387	14.00	16	0.60	2760
Q37	80	2.90	501	18.20	1318	47.80	505	18.30	330	12.00	26	0.90	2760
Q38	64	2.30	561	20.30	1331	48.20	337	12.20	448	16.20	19	0.70	2760
Q39	57	2.10	293	10.60	431	15.60	1782	64.60	188	6.80	9	0.30	2760
Q40	60	2.20	499	18.10	1622	58.80	296	10.70	267	9.70	16	0.60	2760
Q41	66	2.40	297	10.80	383	13.90	1150	41.70	829	30.00	35	1.30	2760
Q42	83	3.00	453	16.40	593	21.50	409	14.80	1196	43.30	26	0.90	2760
Q43	96	3.50	623	22.60	1156	41.90	533	19.30	329	11.90	23	0.80	2760
Q44	121	4.40	784	28.40	551	20.00	612	22.20	668	24.20	24	0.90	2760
Q45	88	3.20	608	22.00	1116	40.40	421	15.30	512	18.60	15	0.50	2760
Q46	77	2.80	689	25.00	1251	45.30	402	14.60	329	11.90	12	0.40	2760
Q47	86	3.10	548	19.90	752	27.20	875	31.70	474	17.20	25	0.90	2760
Q48	72	2.60	498	18.00	592	21.40	570	20.70	1008	36.50	20	0.70	2760
Q49	92	3.30	267	9.70	702	25.40	394	14.30	1280	46.40	25	0.90	2760
Q50	67	2.40	1623	58.80	378	13.70	371	13.40	310	11.20	11	0.40	2760
Q51	57	2.10	1467	53.20	295	10.70	478	17.30	445	16.10	18	0.70	2760
Q52	71	2.60	522	18.90	517	18.70	652	23.60	976	35.40	22	0.80	2760
Q53	83	3.00	1169	42.40	295	10.70	855	31.00	338	12.20	20	0.70	2760
Q54	80	2.90	403	14.60	586	21.20	1004	36.40	660	23.90	27	1.00	2760
Q55	69	2.50	1474	53.40	627	22.70	359	13.00	218	7.90	13	0.50	2760
Q56	67	2.40	541	19.60	595	21.60	950	34.40	579	21.00	28	1.00	2760
Q57	73	2.60	1093	39.60	488	17.70	268	9.70	801	29.00	37	1.30	2760
Q58	115	4.20	436	15.80	1111	40.30	440	15.90	620	22.50	38	1.40	2760
Q59	67	2.40	389	14.10	1625	58.90	419	15.20	238	8.60	22	0.80	2760
Q60	71	2.60	558	20.20	523	18.90	1236	44.80	328	11.90	44	1.60	2760

SET--42

Item	0		1		2		3		4		5		Total
	N	%	N	%	N	%	N	%	N	%	N	%	
Q1	92	3.40	534	19.50	625	22.90	1051	38.50	394	14.40	37	1.40	2733
Q2	78	2.90	364	13.30	455	16.60	1602	58.60	208	7.60	26	1.00	2733
Q3	72	2.60	467	17.10	1212	44.30	490	17.90	455	16.60	37	1.40	2733

Q4	55	2.00	1587	58.10	538	19.70	292	10.70	238	8.70	23	0.80	2733
Q5	82	3.00	543	19.90	955	34.90	539	19.70	583	21.30	31	1.10	2733
Q6	49	1.80	500	18.30	1517	55.50	455	16.60	184	6.70	28	1.00	2733
Q7	74	2.70	364	13.30	347	12.70	701	25.60	1226	44.90	21	0.80	2733
Q8	67	2.50	484	17.70	1471	53.80	528	19.30	165	6.00	18	0.70	2733
Q9	57	2.10	1287	47.10	398	14.60	671	24.60	304	11.10	16	0.60	2733
Q10	86	3.10	978	35.80	1076	39.40	316	11.60	267	9.80	10	0.40	2733
Q11	36	1.30	325	11.90	1361	49.80	345	12.60	632	23.10	34	1.20	2733
Q12	48	1.80	288	10.50	1741	63.70	263	9.60	374	13.70	19	0.70	2733
Q13	85	3.10	777	28.40	706	25.80	919	33.60	215	7.90	31	1.10	2733
Q14	41	1.50	1941	71.00	279	10.20	246	9.00	212	7.80	14	0.50	2733
Q15	63	2.30	310	11.30	1397	51.10	418	15.30	515	18.80	30	1.10	2733
Q16	49	1.80	903	33.00	804	29.40	274	10.00	684	25.00	19	0.70	2733
Q17	81	3.00	553	20.20	1252	45.80	432	15.80	398	14.60	17	0.60	2733
Q18	33	1.20	289	10.60	459	16.80	1771	64.80	169	6.20	12	0.40	2733
Q19	82	3.00	246	9.00	1423	52.10	633	23.20	328	12.00	21	0.80	2733
Q20	60	2.20	342	12.50	327	12.00	1679	61.40	308	11.30	17	0.60	2733
Q21	54	2.00	717	26.20	701	25.60	1036	37.90	201	7.40	24	0.90	2733
Q22	96	3.50	1233	45.10	453	16.60	637	23.30	296	10.80	18	0.70	2733
Q23	63	2.30	412	15.10	1251	45.80	578	21.10	417	15.30	12	0.40	2733
Q24	60	2.20	223	8.20	174	6.40	1675	61.30	582	21.30	19	0.70	2733
Q25	55	2.00	390	14.30	445	16.30	1558	57.00	261	9.50	24	0.90	2733
Q26	84	3.10	469	17.20	758	27.70	489	17.90	927	33.90	6	0.20	2733
Q27	80	2.90	1655	60.60	451	16.50	373	13.60	164	6.00	10	0.40	2733
Q28	94	3.40	268	9.80	647	23.70	955	34.90	759	27.80	10	0.40	2733
Q29	45	1.60	1445	52.90	462	16.90	307	11.20	459	16.80	15	0.50	2733
Q30	90	3.30	345	12.60	448	16.40	318	11.60	1519	55.60	13	0.50	2733
Q31	70	2.60	442	16.20	403	14.70	842	30.80	955	34.90	21	0.80	2733
Q32	130	4.80	786	28.80	741	27.10	674	24.70	384	14.10	18	0.70	2733
Q33	83	3.00	484	17.70	1418	51.90	346	12.70	387	14.20	15	0.50	2733
Q34	62	2.30	713	26.10	275	10.10	261	9.50	1410	51.60	12	0.40	2733
Q35	84	3.10	781	28.60	769	28.10	546	20.00	534	19.50	19	0.70	2733
Q36	92	3.40	586	21.40	1116	40.80	489	17.90	433	15.80	17	0.60	2733
Q37	63	2.30	893	32.70	754	27.60	714	26.10	291	10.60	18	0.70	2733

Q38	85	3.10	381	13.90	1360	49.80	334	12.20	568	20.80	5	0.20	2733
Q39	72	2.60	388	14.20	1449	53.00	616	22.50	200	7.30	8	0.30	2733
Q40	74	2.70	519	19.00	465	17.00	569	20.80	1082	39.60	24	0.90	2733
Q41	39	1.40	181	6.60	226	8.30	2010	73.50	262	9.60	15	0.50	2733
Q42	59	2.20	487	17.80	749	27.40	1107	40.50	306	11.20	25	0.90	2733
Q43	75	2.70	358	13.10	359	13.10	261	9.50	1664	60.90	16	0.60	2733
Q44	55	2.00	373	13.60	227	8.30	365	13.40	1695	62.00	18	0.70	2733
Q45	89	3.30	683	25.00	416	15.20	1146	41.90	374	13.70	25	0.90	2733
Q46	66	2.40	575	21.00	1224	44.80	500	18.30	349	12.80	19	0.70	2733
Q47	63	2.30	936	34.20	367	13.40	1098	40.20	251	9.20	18	0.70	2733
Q48	100	3.70	651	23.80	567	20.70	439	16.10	952	34.80	24	0.90	2733
Q49	74	2.70	471	17.20	1086	39.70	460	16.80	619	22.60	23	0.80	2733
Q50	58	2.10	391	14.30	1234	45.20	820	30.00	199	7.30	31	1.10	2733
Q51	247	9.00	1250	45.70	367	13.40	376	13.80	443	16.20	50	1.80	2733
Q52	91	3.30	922	33.70	1077	39.40	298	10.90	328	12.00	17	0.60	2733
Q53	139	5.10	846	31.00	974	35.60	461	16.90	294	10.80	19	0.70	2733
Q54	111	4.10	1213	44.40	404	14.80	580	21.20	394	14.40	31	1.10	2733
Q55	162	5.90	495	18.10	530	19.40	1182	43.20	334	12.20	30	1.10	2733
Q56	88	3.20	1249	45.70	511	18.70	461	16.90	407	14.90	17	0.60	2733
Q57	113	4.10	493	18.00	1339	49.00	365	13.40	397	14.50	26	1.00	2733
Q58	109	4.00	506	18.50	1208	44.20	387	14.20	499	18.30	24	0.90	2733
Q59	86	3.10	248	9.10	396	14.50	1799	65.80	189	6.90	15	0.50	2733
Q60	91	3.30	410	15.00	1572	57.50	356	13.00	281	10.30	23	0.80	2733

All the questions have got four options out of which students are to response only one which is correct. Answer Keys of questions are different which varies from 1 to 4. Table 4.2.3 which includes sets 41 and 42 shows the responses of all the students. Here responses 0 and 5 indicate No response and Multiple responses respectively.

CHAPTER-5

Distribution of Students achievement level in Mathematics, Language, Science and Social Science

Table 5.1 Distribution of Students on the basis of their achievement level in Mathematics , Language , Science and Social Science

Achievement Level(Percentage Range)	Mathematics			Language			Science			Social Science		
	f	f%	cf%	f	f%	cf%	f	f%	cf%	f	f%	cf%
0-10	50	0.9	0.9	18	0.3	0.3	26	0.5	0.5	22	0.4	0.4
10-20	504	9.0	9.9	261	4.7	5.1	267	4.9	5.3	446	8.1	8.5
20-30	1666	29.9	39.8	658	11.9	17.0	1104	20.1	25.5	1195	21.8	30.3
30-40	1370	24.6	64.4	472	8.6	25.5	1211	22.1	47.5	923	16.8	47.1
40-50	851	15.3	79.7	496	9.0	34.5	968	17.6	65.2	884	16.1	63.2
50-60	519	9.3	89.0	688	12.5	47.0	831	15.1	80.3	880	16.0	79.2
60-70	331	5.9	94.9	795	14.4	61.4	593	10.8	91.1	741	13.5	92.7
70-80	169	3.0	98.0	1056	19.1	80.6	380	6.9	98.1	356	6.5	99.2
80-90	94	1.7	99.6	882	16.0	96.5	98	1.8	99.9	46	0.8	100.0
90-100	20	0.4	100.0	191	3.5	100.0	08	0.1	100.0	0	0	100.0
Total	5574	100.0		5517	100.0		5486	100.0		5493	100.0	

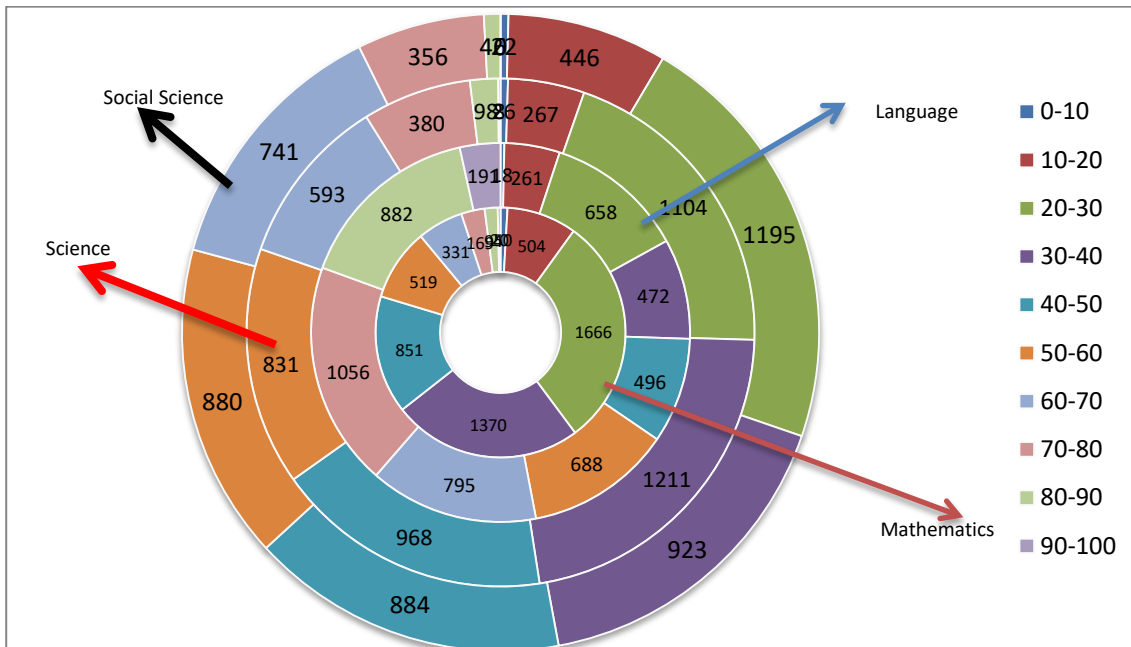


Fig : 5.1 Showing distribution of Students on the basis of their achievement level in Mathematics , Language , Science and Social Science

It is seen from the table 5.1 that achievement level of students is different in all the four subjects in which the tests were administered. Frequency of percentage of achievement is highest in the range of (20-30),(70-80),(30-40) and (20-30) in Mathematics (29.9%), Language(19.1%), Science(22.1%) and Social Science(21.8%) respectively. Again Frequency of percentage of achievement is lowest in the range of (90-100),(0-10),(90-100) and (90-100) in Mathematics(0.4%),Language(0.3%), Science(0.1%) and Social Science(0%) respectively.

Table 5.2 Distribution of student on the basis of cut off points as per their achievement level in Mathematics, Language, Science and Social Science

Cut off Points	Mathematics		Language		Science		Social Science	
	N	%	N	%	N	%	N	%
0- less than 33%	2477	44.4	1106	20.0	1612	29.4	1848	33.6
33% - less than 45%	1605	28.8	536	9.7	1516	27.6	1184	21.6
45% - less than 60%	878	15.8	951	17.2	1279	23.3	1318	24.0
60% - less than 75%	415	7.4	1296	23.5	795	14.5	993	18.1
75% - 100%	199	3.6	1628	29.5	284	5.2	150	2.7
Total	5574	100.0	5517	100.0	5486	100.0	5493	100.0

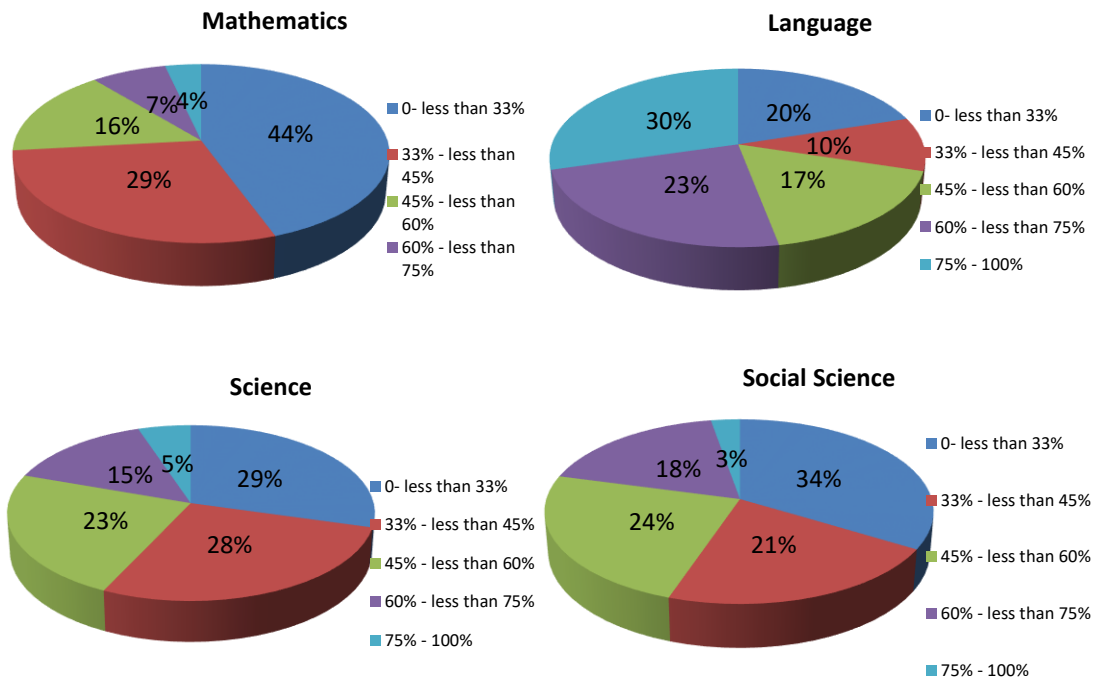


Fig : 5.2 Showing distribution of student on the basis of cut off points as per their achievement level in Mathematics, Language, Science and Social Science

From table 5.2 it is seen that Achievement of Highest percentage of students in Mathematics, Science and Social Science belongs to the cut off point (0- less than 33%) and in Language the cut off point is(75% - 100%).On the other hand Achievement of lowest percentage of students in Mathematics, Science and Social Science belongs to the cut off point(75%-100%)and in Language the cut off point is(33% -- less than 45%).

Chapter- 6

Our Schools, Students and Teachers

It is a known fact that learning never takes place in isolation and is influenced by school environment. Hence the need is to know where the students study, what background they came from, what kind of facilities they have at home. Who supports them in their studies etc. Similarly what is the learning environment in school, what type of infrastructural facilities are there, etc. and also who are teaching, what are the educational and professional qualification of teachers, whether they have undergone in-service training programme or not, what strategies they use for teaching students. What is their employment status, how do they interact with fellow colleagues, what is their opinion about the school in general etc.

In this chapter an attempt has been made to provide highlights in some of the important variables.

6.1: Schools:

In order to access the school related variables, questionnaire was used to collect information from the school seats. The variables were grouped into four categories-

1. School Background
2. Home school Interactions
3. Teaching learning process
4. School social climate

6.1.1: School Background:

The variables under the category of schools background were management and type of school, visit to the schools, resource available in the school, working days in an academic year and working days per week.

Table 6.1.1.1: Location of schools

Location of schools	No. of schools	%
Rural	125	78.1%
Urban	24	21.9%
Grand Total	149	100.0%

It is seen from the table 6.1.1.1 that of the surveyed schools 78.1% school were located in rural area and 21.9% in urban area.

Table 6.1.1.2: Distribution of Schools on the Basis of Pre – School Attached

Area	Yes		No		Total
	N	%	N	%	N
Rural	15	71.4%	224	80.3%	239
Urban	6	28.6%	55	19.7%	61
Grand Total	21	100.0%	279	100.0%	300

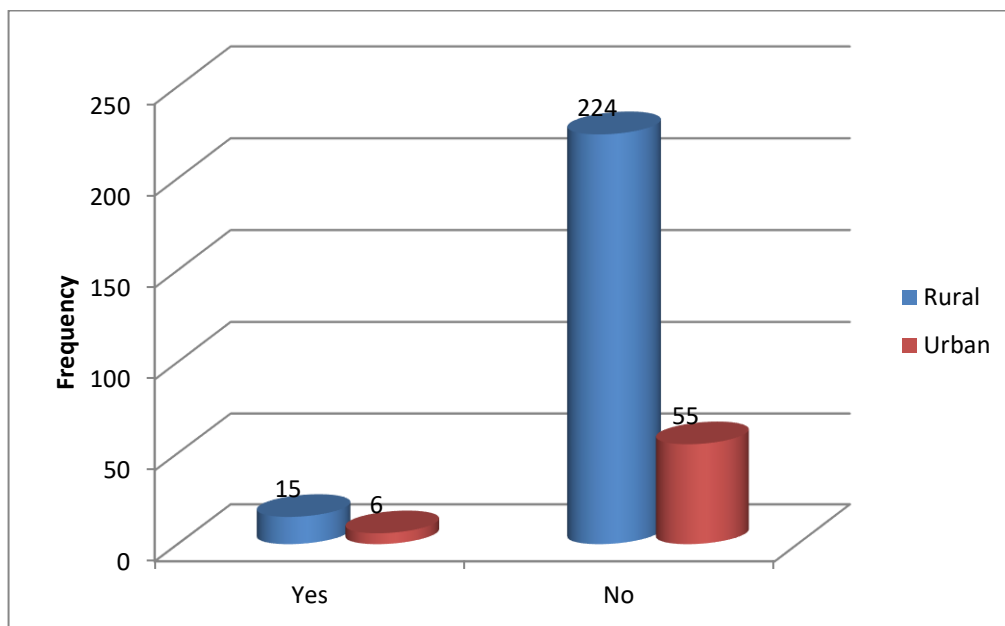


Fig : 6.1 Showing distribution of Schools on the Basis of Pre – School Attached

Table : 6.1.1.3: Area wise Distribution of schools on the basis of Management

Area	State Govt		Govt Aided		Tea garden managed		Local body		Total School
	N	%	N	%	N	%	N	%	
Rural	182	76.2%	49	20.5%	0	0	8	3.3%	239
Urban	47	77.0%	13	21.3%	0	0	1	1.6%	61

Grand Total	229	76.3%	62	20.7%	9	0	9	3.0%	300
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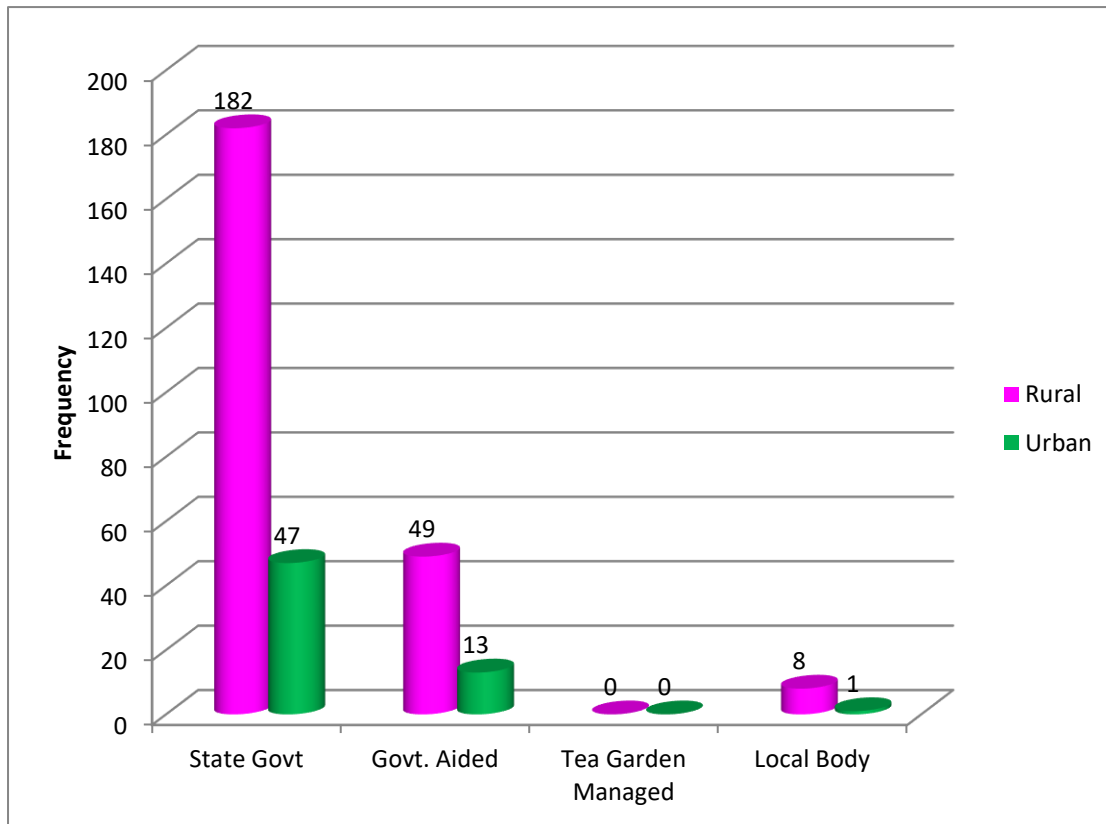


Fig : 6.2 Area wise Distribution of schools on the basis of Management

Table 6.1.1.3 shows that of the school survey approximately 76.3% schools were managed by state government and rest were Govt. aided, Tea garden managed and Local body managed schools which accounts for 20.7%, 0% and 3.0% respectively.

Table 6.1.1.4: Types of School

Types of Schools	Rural		Urban		Total	
	N	%	N	%	N	%
Boys	2	0.8%	4	6.6%	6	2.0%
Girls	15	6.3%	9	14.8%	24	8.0%
Co-Ed	222	92.9%	48	78.7%	270	90.0%
Grand Total	239	100.0%	61	100.0%	300	100.0%

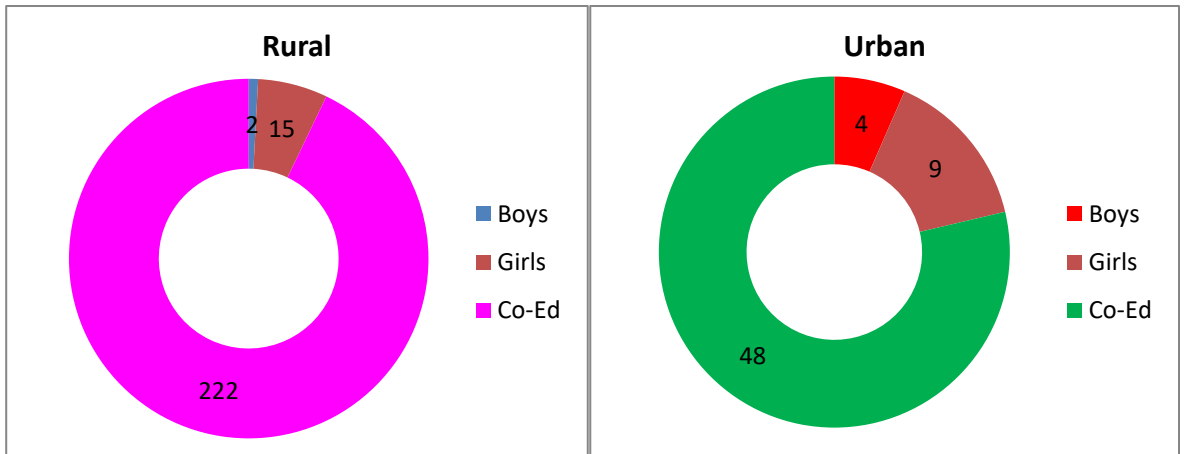


Fig : 6.3 Showing types of schools in rural area and urban area.

Table : 6.2.1.1 Area wise and gender wise availability of teachers in the sample schools

Area	Number of Sampled Schools	Number of Teachers on Roll				Total	Average Teachers per School
		Male		Female			
		N	%	N	%		
Rural	239	1262	80.03	810	72.26	2072	9
Urban	61	315	19.97	311	27.74	626	10
Total	300	1577	100.00	1121	100.00	2698	9

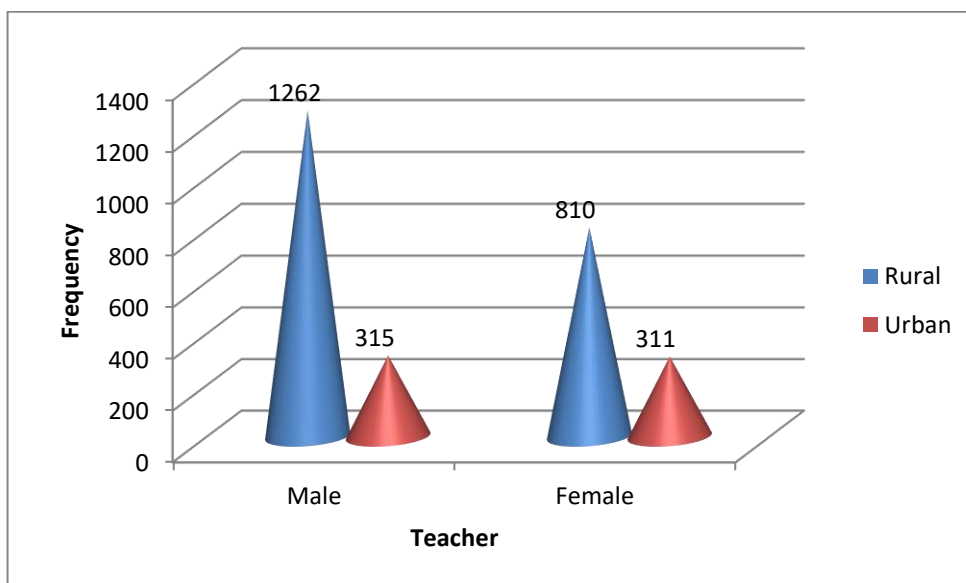


Fig : 6.4 Showing area wise and gender wise availability of teachers in the sample schools

Table 6.2.1.2: Area wise and Gender wise Distribution of Teachers on roll on the basis of Employment Status.

Area	Gender	Regular Full Time		Contractual		Total	
		N	%	N	%	N	%
Rural	Male	994	63.72%	268	52.34%	1262	60.91%
	Female	566	36.28%	244	47.66%	810	39.09%
	Total	1560	100.00%	512	100.00%	2072	100.00%
Urban	Male	252	53.16%	63	41.45%	315	50.32%
	Female	222	46.84%	89	58.55%	311	49.68%
	Total	474	100.00%	152	100.00%	626	100.00%
Grand Total	Male	1246	61.26%	331	49.85%	1577	58.45%
	Female	788	38.74%	333	50.15%	1121	41.55%
	Total	2034	100.00%	664	100.00%	2698	100.00%

Table 6.3.1.1: Percentage of schools with various Facilities related to Teaching Aids

	Rural		Urban		Total	
	N	%	N	%	N	%
Maps	201	84.1%	54	88.5%	255	85.0%
Globes	202	84.5%	55	90.2%	257	85.7%
Charts	197	82.4%	49	80.3%	246	82.0%
Mathematics Kit	187	78.2%	48	78.7%	235	78.3%
Science Kit	158	66.1%	42	68.9%	200	66.7%
Total Schools	239		61		300	

Table 6.3.1.2: Visit of BRC/CRC Personnel to Schools in Current Academic session.

Frequency of Visit	Rural		Urban		Total	
	N	%	N	%	N	%
None	8	3.3%	4	6.6%	12	4.0%
1	11	4.6%	3	4.9%	14	4.7%
2	21	8.8%	3	4.9%	24	8.0%
3	20	8.4%	12	19.7%	32	10.7%
4	34	14.2%	9	14.8%	43	14.3%
5	18	7.5%	4	6.6%	22	7.3%
6-7	32	13.4%	6	9.8%	38	12.7%
8-9	25	10.5%	5	8.2%	30	10.0%
10+	70	29.3%	15	24.6%	85	28.3%
Total Sample Schools	239		61		300	

Table : 6.3.2.2 Enrolment of students in sample school.

Student Enrolment	Rural Schools		Urban Schools		Total Schools	
	N	%	N	%	N	%
Less than 40	123	51.5%	23	37.7%	146	48.7%
41-80	73	30.5%	23	37.7%	96	32.0%
81-120	28	11.7%	11	18.0%	39	13.0%
121 and above	15	6.3%	4	6.6%	19	6.3%

Table 6.3.2.3 : School(Boys, girls, co-education)wise Enrolment of Students in **Class VIII**

Student Enrolment	Boys Schools		Girls Schools		Co-Ed Schools		Total School	
	N	%	N	%	N	%	N	%
Less than 40	1	16.7%	16	66.7%	129	47.8%	146	48.7%
41-80	2	33.3%	3	12.5%	91	33.7%	96	32.0%
81-120	3	50.0%	3	12.5%	33	12.2%	39	13.0%
121 and above	0	0.0%	2	8.3%	17	6.3%	19	6.3%

Table 6.3.3.1 : Homework given by Teachers

Give Homework	Frequency	Percent
Not at all	2	2
Sometimes	372	30.8
Regularly	834	69.0
Total	1208	100.0

Data in table 6.3.3.1 indicates that 69% teachers give homework to students regularly and 30.8% sometimes. There is no teacher without giving any homework. It is seen that 47.3% teachers give homework in the form of writing. Other types of homework is also given by the teachers that ranges from 1.7% to 13.7% as is evident from the table 6.1.3.1 given below.

Table 6.3.3.2: Types of Homework given by teachers

Homework	Frequency	Percent
Reading and Writing	41	13.7
Reading , Writing & Project work	41	13.7
Reading	37	12.3
Writing and Project work	5	1.7
Writing	142	47.3
Project Work	34	11.3
Total	300	100.0

Table 6.3.3.3 : Number of periods a teacher takes per week

Period	Frequency	Percent
Up to 10	216	17.9
11-18	274	22.7
19-24	357	29.6
25-30	236	19.5
31 & more	125	10.3
Total	1208	100.0

Of the sample schools surveyed, they had 6 working days in a week. From the table 6.3.3.3 it is reflected that maximum 29.6% teachers takes 19-24 periods per week. However the number of periods the other teachers takes varies from 10.3% to 22.7%.

6.4 : Students

The data was collected from 5574 number of students from fourteen districts studying in 300 schools. The given section provides information regarding various student related variables categorized as follows.

- Students Background
- Resource available at home
- Resource available in school

Table 6.4.1.1: Area wise, Gender wise and Category wise Distribution of Students

Category		Rural			Urban			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
SC	N	121	138	259	47	27	74	168	165	333
	%	46.72	53.28		63.51	36.49		50.45	49.55	
ST	N	234	238	472	83	73	156	317	311	628
	%	49.58	50.42		53.21	46.79		50.48	49.52	
OBC	N	402	442	844	235	195	430	637	637	1274
	%	47.63	52.37		54.65	45.35		50.00	50.00	
Others	N	1109	1592	2701	248	390	638	1357	1982	3339
	%	41.06	58.94		38.87	61.13		40.64	59.36	
Grand Total	N	1866	2410	4276	613	685	1298	2479	3095	5574
	%	43.64	56.36		47.23	52.77		44.47	55.53	

6.4.2 Educational Status of Parents

Parents play a very important role in the development of their child. The educational status of surveyed students' parents is depicted as follows.

Table 6.4.2.1: Distribution of Student on the basis of Educational Status of Father

Educational Level	Rural		Urban		Total	
	N	%	N	%	N	%
Father is Not Alive	135	3.16	55	4.24	190	3.41
Illiterate	627	14.66	218	16.80	845	15.16
Literate	1796	42.00	405	31.20	2201	39.49
Education Up to Secondary Level	986	23.06	313	24.11	1299	23.30

Education above Higher/Senior Secondary level	732	17.12	307	23.65	1039	18.64
Grand Total	4276		1298		5574	

From the table 6.4.2.1 it is reflected that maximum 39.49% fathers are literate and 15.16% are illiterate. Qualification of 18.64% fathers have is above Higher/Senior Secondary level

Table 6.4.2.2: Distribution of Student on the basis of Educational Status of Mother

Educational Level	Rural		Urban		Total	
	N	%	N	%	N	%
Mother is Not Alive	116	2.71	25	1.93	141	2.53
Illiterate	1340	31.34	316	24.35	1656	29.71
Literate	2154	50.37	512	39.45	2666	47.83
Education Upto Secondary Level	632	14.78	366	28.20	998	17.90
Education above Higher/Senior Secondary level	34	0.80	79	6.09	113	2.03
Grand Total	4276		1298		5574	

From the table 6.4.2.2 it is reflected that maximum 47.83% mothers are literate and 29.71% are illiterate and 2.03% mother have got educational qualification above secondary or Senior secondary level

6.4.3 Occupational Status of Parents

Table 6.4.3.1: Distribution of Student on the basis of Occupation of Father

Occupations	Rural		Urban		Total	
	N	%	N	%	N	%
Father is Not Alive	135	3.16	55	4.24	190	3.41
Farmer	2989	69.90	367	28.27	3356	60.21
Self Employed	596	13.94	484	37.29	1080	19.38
Job	556	13.00	392	30.20	948	17.01

Grand Total	4276		1298		5574	
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Table 6.4.3.2: Distribution of Student on the basis of Occupation of Mother

Occupations	Rural		Urban		Total	
	N	%	N	%	N	%
Mother is Not Alive	116	2.71	25	1.93	141	2.53
Farmer	2989	69.90	466	35.90	3455	61.98
Self Employed	1106	25.87	657	50.62	1763	31.63
Job	65	1.52	150	11.56	215	3.86
Grand Total	4276		1298		5574	

Table 6.4.3.2 shows that occupation of 61.98% mother is farmer and 3.86% have got job.

6.4.4: Help in Studies

Table 6.4.4.1 : Distribution of Students on the basis of getting help in study at home

Area	Getting Help in study at home					Not getting Help in study at home					Total
	Boys		Girls		Total	Boys		Girls		Total	
	N	%	N	%		N	%	N	%		
Rural	1604	72.28	2197	79.37	3801	186	71.54	289	88.38	475	4276
Urban	615	27.72	571	20.63	1186	74	28.46	38	11.62	112	1298
Grand Total	2219		2768		5074	260		327		500	5574

6.4.5. Home work given By Teachers

Table 6.4.5.1 : Opinion of the Students about the Home work Given by the Teacher in Language

Frequency of Home Work	Rural		Urban		Total	
	N	%	N	%	N	%
Regularly	1021	23.88	614	47.30	1635	29.33
Sometimes	3255	76.12	684	52.70	3939	70.67
Not at all	0		0		0	
Total	4276		1298		5574	

Table 6.4.5.2: Opinion of the Students about the Home work given by the Teacher in Mathematics

Frequency of Home Work	Rural		Urban		Total	
	N	%	N	%	N	%
Regularly	2001	46.80	688	53.00	2689	48.24
Sometimes	2275	53.20	610	47.00	2885	51.76
Not at all	0		0		0	
Total	4276		1298		5574	

Table 6.4.5.3 : Opinion of the Students about the Home work Given by the Teacher in Science

Frequency of Home Work	Rural		Urban		Total	
	N	%	N	%	N	%
Regularly	1804	42.19	751	57.86	2555	45.84
Sometimes	2472	57.81	547	42.14	3019	54.16
Not at all	0		0		0	
Total	4276		1298		5574	

Table 6.4.5.4: Opinion of the Students about the Home work given by the Teacher in Social Science

Frequency of Home Work	Rural		Urban		Total	
	N	%	N	%	N	%
Regularly	1956	45.74	599	46.15	2555	45.84
Sometimes	2320	54.26	699	53.85	2945	52.83
Not at all	0		0		0	
Total	4276		1298		5574	

6.4.6 Homework Checked By Teachers

Table 6.4.6.1: Opinion of students on Checking Home work at School in Language

Checking of Home Work	Rural		Urban		Total	
	N	%	N	%	N	%
Regularly	1145	26.78	600	46.22	1745	31.31
Sometimes	3131	73.22	698	53.78	3829	68.69
Not at all	0		0		0	
Total	4276		1298		5574	

Table 6.4.6.2 : Opinion of students on **Checking** Home work at School in Mathematics

Checking of Home Work	Rural		Urban		Total	
	N	%	N	%	N	%
Regularly	1245	29.12	711	54.78	1956	35.09
Sometimes	3031	70.88	587	45.22	3618	64.91
Not at all	0		0		0	
Total	4276		1298		5574	

Table 6.4.6.3 : Opinion of students on **Checking** Home work at School in Science

Checking of Home Work	Rural		Urban		Total	
	N	%	N	%	N	%
Regularly	1178	27.55	823	63.41	2001	35.90
Sometimes	3098	72.45	475	36.59	3573	64.10
Not at all	0		0		0	
Total	4276		1298		5574	

Table 6.4.6.4 : Opinion of students on **Checking** Home work at School in Social Science

Checking of Home Work	Rural		Urban		Total	
	N	%	N	%	N	%
Regularly	1103	25.80	685	52.77	1788	32.08
Sometimes	3173	74.20	613	47.23	3786	67.92
Not at all	0		0		0	
Total	4276		1298		5574	

Table 6.4.6.5: Distribution of Students on the basis of students home language and the language used in school

Area	Home language and the language used in school is same					Home language and the language used in school is not same					Total
	Boys		Girls		Total	Boys		Girls		Total	
	N	%	N	%		N	%	N	%		
Rural	2034	82.55	2221	72.72	4255	6	40.00	15	36.59	21	4276
Urban	430	17.45	833	27.28	1263	9	60.00	26	63.41	35	1298
Grand Total	2464		3054		5518	15		41		56	5574

Table 6.4.6.6 : Area wise distribution of students who are Physically Challenged .

Area	Physically Challenged				
	Boys		Girls		Total
	N	%	N	%	
Rural	16	0.29	11	0.19	27
Urban	12	0.21	9	0.16	21
Total	28	0.50	20	0.35	48

From table 6.4.6.6 it is seen that there are 0.29% and 0.19% boys and girls respectively are Physically Challenged students in rural area. In urban area 0.21% and 0.16% boys and girls respectively are Physically Challenged.

Table 6.4.6.7 : Distribution of students on the basis of getting Helps in study at home

Area	Getting Help in study at home					Not getting Help in study at home					Total
	Boys		Girls		Total	Boys		Girls		Total	
	N	%	N	%		N	%	N	%		
Rural	1604	72.28	2197	79.37	3801	186	71.54	289	88.38	475	4276
Urban	615	27.72	571	20.63	1186	74	28.46	38	11.62	112	1298
Grand Total	2219		2768		5074	260		327		500	5574

6.4.7: Private Tuition

Table 6.4.7.1 : Distribution of Students taking Private tuition

Area	Taking tuitions	Not taking tuitions	Total
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	Boys		Girls		Total	Boys		Girls		Total	
	N	%	N	%		N	%	N	%		
Rural	216	47.06	159	52.82	375	2103	87.48	2189	90.83	3901	4276
Urban	243	52.94	142	47.18	385	301	12.52	903	37.47	913	1298
Grand Total	459		301		760	2404		2410		4814	5574

It is seen from the table 6.4.7.1 that only 13.7% out of total sample students are taking tuition and the rest of the students i.e 86.3% students are not taking tuition.

6.4.8 : Teachers Background

The questionnaire collected information on a wide range of background of teachers as set out in the paragraphs that follows

6.4.8.1 Gender

Table 6.4.8.2 : Distribution of teachers according to their sex

Sex	Frequency	Percent
Male	850	70.4
Female	358	29.6
Total	1208	100.0

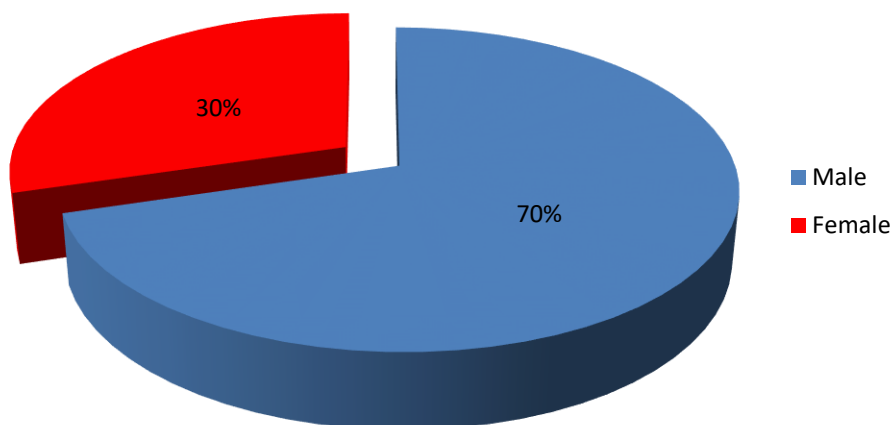


Fig : 6.5 Showing distribution of teachers according to their sex

Table 6.4.8.3: Distribution teachers according to their Category

Category	Frequency	Percent
SC	86	7.1
ST	123	10.2
OBC	427	35.3
General	488	40.4
Tea Garden Community	5	0.4
Religious minority	7	0.6
Others	72	6.0
Total	1208	100.0

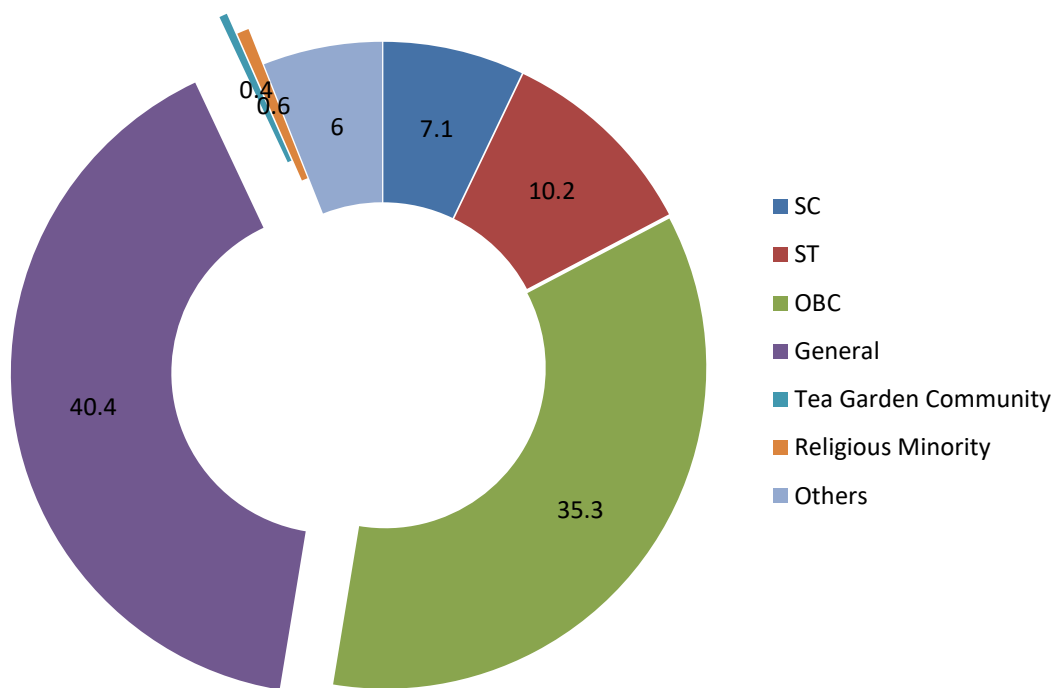
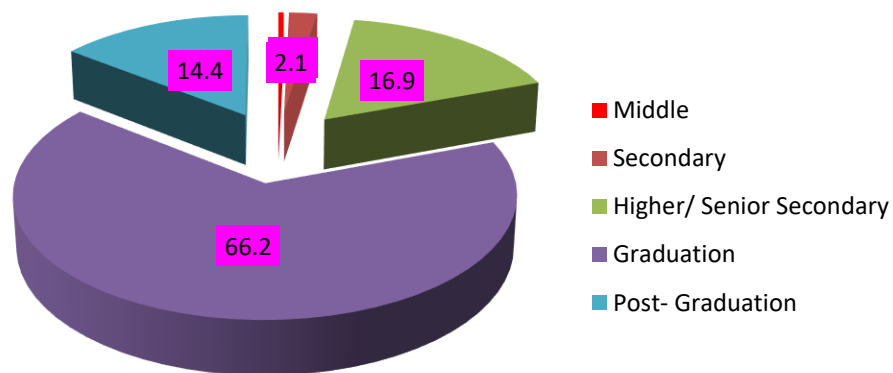
**Fig 6.6:** Showing teachers according to their Category

Table 6.4.8.3 shows that highest percentage of teachers in the sample schools beings to OBC and General category which is 35.3% and 40.4% respectively. The lowest being the tea garden community and it is 0.4% only.

Table 6.4.8.4: Highest Educational Qualification

Educational Qualification	Frequency	Percent
Middle level	5	0.4
H.S.L.C	25	2.1
Higher/ Senior Secondary	204	16.9

Graduation	800	66.2
Post- Graduation	174	14.4
Total	1208	100.0



Fig

6.7 Showing educational qualification of sample teachers

The table 6.4.8.4 indicates that the highest educational qualification of teachers is graduation (66.2%). Teachers having post graduation accounts for only 14.4% and 0.4% teachers qualification is up to middle level.

Table 6.4.8.5 : Highest Professional Qualification

Professional Qualification	Frequency	Percent
Untrained (No Certificate/ Diploma/ Degree in teaching)	377	31.2
Elementary Teacher Training Certificate/ Diploma/JBT/ BTC	396	32.8
Graduate Level (B.Ed. etc.)	424	35.1
Post Graduate (M.Ed)	11	0.9
Total	1208	100.0

The table 6.4.8.5 shows that 35.1% teachers of sample schools have got the B. Ed degree, 32.8% have got Elementary Teacher Training certificate and 0.9% are with M.Ed qualification.

Table 6.4.8.6 : Subject(s) teaching in Class VIII

Subject(s) teaching	Frequency	Percent
Language	168	14.0
Mathematics	162	13.4
Science	157	12.9
Social Science	148	12.3
Language & Maths	86	7.1
Language & Science	80	6.6

Language & Social Science	73	6.0
Math & Science	191	15.8
Math & Social Science	78	6.5
Science & Social Science	65	5.4
Total	1208	100.0

It is reflected from the table 6.4.8.6 that in Class-VIII. number of teachers teaching a single subject (Language, Mathematics, Science and Social Science) varies from 12.3% to 15%.

Table 6.4.8.7: Teaching Experience of teachers

Teaching Experience	Frequency	Percent
Less than 1 yr.	51	4.2
1-3 yrs.	226	18.7
3-6 yrs	262	21.7
6-10 yrs.	122	10.1
More than 10 yrs	547	45.3
Total	1208	100.0

From table 6.4.8.7 it is observed that 45.3% teachers have got more than 10 years of teaching experience and 27.7% teachers with lowest teaching experience (less than 1 year) stands at 4.2% .

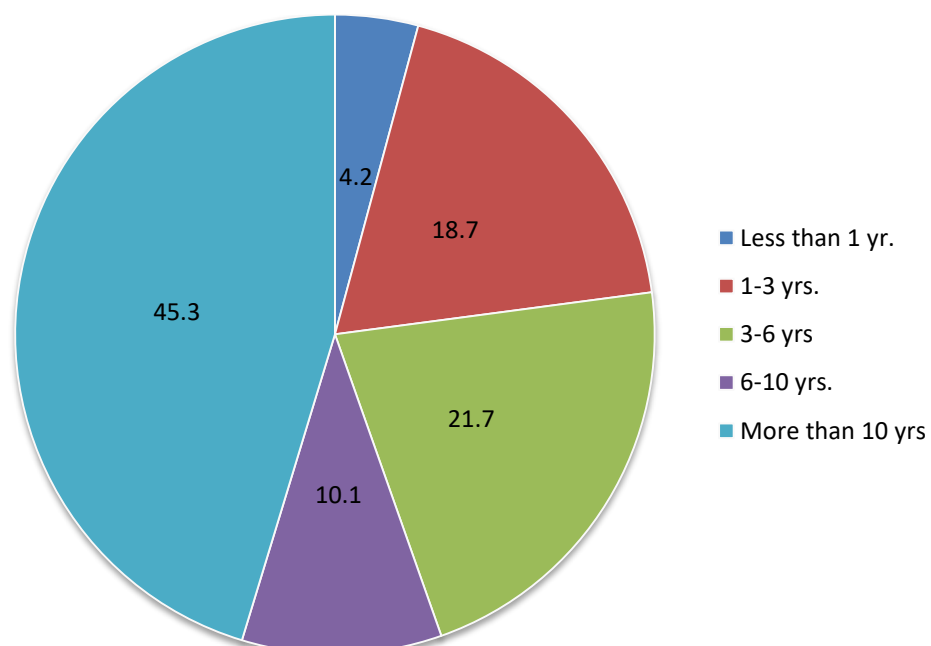


Fig : 6.8 Showing teaching Experience of teachers

Table 6.4.8.8 TLM available in the schools and their uses.

Materials	AVAILABILITY		IF AVAILABLE THEN USES		
	Yes	No	Regularly	Sometimes	Never
Teacher's Handbook	948(78.5)	260(21.5)	772(81.4)	175(18.5)	1(0.1)
Charts	879(72.8)	329(27.2)	225(25.6)	654(74.4)	0(0)
Maps	637(52.7)	571(47.3)	143(22.4)	490(76.9)	4(0.6)
Globe	600(49.7)	608(50.3)	126(21.0)	470(78.3)	4(0.7)
Mathematics Kit	535(44.3)	673(55.7)	261(48.8)	269(50.3)	5(0.9)
Science Kit	495(41.0)	713(59.0)	179(36.2)	309(62.4)	7(1.4)
TLM	883(73.1)	325(26.9)	467(52.9)	415(47.0)	1(0.1)

6.4.8.9 : In-Service Training of Teachers:

Various agencies such as SCERT, DIET, BRC, CRC, SSA etc. organize in-service training programme for teachers to acquainted them with the latest trends and build their capacity for classroom teaching. Teachers were asked about the number of such programmes attended by them during the years 2012-13 and 2013-14. The information collected as part of this question, reflects the activeness of the various academic agencies in organizing in-service training

Table 6.4.8.9 : : In-service training programme attended during the academic session 2012-13 and 2013-14 and 2014-2015?

Attended Training Programme	Frequency	Percent
Yes	666	55.1
No	542	44.9
Total	1208	100.0

From the table 6.4.8.8 it is revealed that 55.1% teachers have undergone in-service training and 44.9% did not attend during the session in 2012-13 and 2013-14 and 2014-15.

Table 6.4.9.1 : Number of training programme attended during the academic session 2012-13 and 2013-14 and 2014-15?

Number	Frequency	Percent
Only 1	151	22.7
2-3	258	38.7
4-6	110	16.5
6-9	54	8.1
10 and More	93	14.0
Total	666	100.0

It is seen from the table 6.4.8.9 that maximum 38.7% teachers have attended in-service training for (2-3) times and minimum 8.1% teachers have attended for (6-9) times during the sessions.

Table 6.4.9.2 : Institutions that organizes training for the teachers

Training Organizer	Frequency	Percent
SCERT	65	9.8
SCERT, SSA	2	0.3
SCERT ,DIET	3	0.5
SSA	400	60.1
SSA , DIET	0	0
SSA, Others	0	0
DIET	114	17.1
Others	82	12.3
Total	666	100.0

From the table 6.4.9.1 it is reflected that teacher attend the maximum training programmes organized by SSA which is 60.1%.SCERT and DIET organized 9.8% and 17.1% training programme respectively.

APPENDIX-I

List of sample Districts, District coordinators, and the team associated with DTP works, formatting and Data Entry.

Serial No.	District Name	Name of District Coordinators
01	Chirang	Rupnath Das
02	Dhubri	Pradip Gayari
03	Dibrugarh	Bhupen Das
04	Goalpara	Bipasha Choudhury
05	Hailakandi	Prabhat Ranjan Nath
06	Jorhat	Nijara Barthakur
07	Karbi-Anglong	Sarsing Tisso
08	Karimganj	A.K Sadial
09	Kamrup	Pallabi Bhattarchya
10	Kokrajhar	B. Kr. Basumatary
11	Lakhimpur	Samir jyoti Borah
12	Morigaon	Eva Devi
13	Nalbari	Jiten Sarma
14	Sonitpur	Dilip Sarma

DTP work and Data Entry

- | | |
|----------------------|--------------------------|
| 1. Md. Mustak Ali | 11. Manita Mazumdar |
| 2. Parag Sarma | 12. Dipali Talukdar |
| 3. Bandita Baishya | 13. Kalyani Devi |
| 4. Himangshu Baishya | 14. Pankaj Dev Choudhury |
| 5. Rashmi Gogoi | 15. Mridul Chandra Roy |
| 6. Jagdish Kalita | 16. Namita Choudhury |
| 7. Pollobi Bora | 17. Tridip Choudhury |
| 8. Jonali Devi | 18. Ashish Tamuli |
| 9. Nazli Begum | 19. Golapjan Begum |
| 10. Arunima Barman | |

Director, SCERT, Assam: State Coordinator of the survey
