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GOVERNMENT OF HARYANA



STATE FACT BOOK

ON

MANPOWER

PART-II

Issued by
MANPOWER & EMPLOYMENT COORDINATION CELL,
LABOUR AND EMPLOYMENT DEPARTMENTS,
HARYANA

PREFACE

The Manpower and Employment Coordination Cell, Haryana prepares the State Fact Books on Manpower in three parts. State Fact Book on Manpower Part I contains data on general population, vital statistics, working population, labour force unemployment and sectoral employment. The present issue, i.e. Part II, contains information on literacy, primary and secondary education, school teachers, industrial training, technical education and university education for the period 1979-80 to 1985-86, and Part III contains information on Scientific personnel, engineering personnel, agriculture and allied manpower, medical personnel and employment statistics.

The present issue of Part II is the 3rd in the series brought out by the Manpower and Employment Coordination Cell, Haryana. In the second issue, the information on Literacy in Haryana for the 1971 census was given, while in the present issue information on Literacy for the 1981 census have been given. Tables in each section are preceded by an explanatory note which brings out the main contents of the tables. The information for this issue was collected from the Director of Census Operations, Haryana; Director of School Education, Haryana; Director of Public Instructions, Haryana; Director of Industrial Training and Vocational Guidance, Haryana and Director of Technical Education, Haryana. The Statistical tables on Science and Technical Personnel in Haryana have been taken from the publication "Degree Holders and Technical Personnel Survey Census 1981" brought out by the Council of Scientific and Industrial Research. The data relating to requirements and availability of technical personnel are prepared by the Manpower Cell.

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It is hoped that t
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in the study of manpower problems in Haryana State.

all those who are en-
rs who are interested

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SECTION 5

LITERACY

This section deals with general literacy in Haryana State. The only source of information on literacy is decennial censuses. During 1981 Census, the term literacy has been defined as a person who can both read and write with understanding in any language. A person who can merely read but cannot write is not literate. It is not necessary that a person who is literate should have received any formal education or should have passed any minimum educational standard. All children of the age of 4 years or less are treated as illiterate even if the child is going to school and can read and write a few odd words.

According to 1981 census, the literate population in Haryana was 36.1 per cent as against 26.9 per cent in 1971 census. The percentage of literate male was 48.2 while that of female was 22.3. The highest literacy percentage 44.6 was recorded in Ambala Distt. and the lowest in Jind Distt. 26.2 per cent. (Table 5.1 and 5.2).

Among literates, the urban area recorded the literacy percentage of 56.87 whereas in respect of rural area, this percentage was 30.33. The literacy percentage among females in rural and urban area was 15.37 and 47.35, respectively (Table 5.3).

Table 5.4 shows the distribution of literate persons by level of education of the total literate persons, 71.32 per cent were male literates and 28.68 per cent female literates. In urban area, 21.26 per cent were male literates and 13.17 per cent female literates while in rural area the corresponding percentage was 50.06 and 15.51 respectively.

Table 5.5 depicts percentage distribution of literate persons by level of education. Of the total male literates, 45.78 per cent had attained primary/middle standard qualifications and almost the same level i.e. 45.03 per cent was attained by the female literates.

With the passage of time, literacy among scheduled castes is gaining importance. Table 5.6 depicts literacy among scheduled castes population in Haryana during 1981 census. Of the total scheduled castes population in Haryana, 20.15 per cent were literates. The highest literacy among this category was observed in Mahendragarh District (28.91 per cent) and closely followed by Gurgaon District (28.42 per cent). The lowest literacy among scheduled castes was prevalent in Sirsa District (10.91 per cent) followed by Jind (12.8 per cent) and Hisar (13.21 per cent).

The assessment of population at State as well as in rural and urban areas by education standard, age groups and sex during 1981 census and percentage distribution by age-group is made in Tables 5.7 to 5.12. In the age-group 60+, 23.1 per cent males and 3.8 per cent females were literates while in the age-group 10-14 years, 76.0 per cent males and 43.4 per cent females and in the age-group 15-19 years, 71.9 per cent males and 38.6 per cent females were literates.

**Percentage of Literates by Districts and Sex—
1971 & 1981 Censuses**

Table 5.1

Sr. No	District	1971			1981		
		Persons	Male	Female	Persons	Male	Female
1	2	3	4	5	6	7	8
1	Hisar	22.5	32.1	11.4	30.0	41.5	16.8
2	Sirsa	22.7	31.6	12.4	29.9	39.5	18.9
3	Bhiwani	24.6	37.0	10.5	33.1	48.1	16.3
4	Gurgaon	25.3	36.1	13.1	35.2	48.6	20.0
5	Faridabad	28.9	40.1	15.0	39.2	52.4	22.9
6	Jind	17.7	26.9	7.0	26.2	38.1	12.2
7	Mahendragarh	28.8	44.1	12.2	38.6	55.5	20.4
8	Ambala	35.5	43.5	26.3	44.6	53.0	35.0
9	Karnal	27.5	36.5	16.9	36.8	47.3	24.5
10	Kurukshetra	23.4	31.2	14.1	32.4	41.7	21.6
11	Rohtak	31.8	44.1	18.0	42.5	56.4	26.8
12	Sonapat	29.5	41.5	15.6	40.9	54.3	25.3
	Haryana State	26.9	37.3	14.9	36.1	48.2	22.3

Source : Director of Census Operations, Haryana.

Number of Literates in Haryana

Table 5.2

Sr. No.	District	Census 1981		
		Persons	Males	Females
1	2	3	4	
1	Hisar	1496534	801771	694763
2	Sirsa	707068	376602	330466
3	Bhiwani	920052	484702	435350
4	Gurgaon	849598	451861	397737
5	Faridabad	1000859	552163	448696
6	Jind	938074	505937	432137
7	Mahendragarh	959400	496903	462497
8	Ambala	1409463	753308	656155
9	Karnal	1322826	713478	609348
10	Kurukshetra	1130026	606571	523455
11	Rohtak	1341953	712769	629184
12	Sonipat	846765	453873	392892
Total		12922618	6909938	6012680
1971 Census		10036808	5377258	4659550

by Sex and Districts—1981 Census

Literates					
Persons	Per-centage	Males	Per-centage	Females	Per-centage
6	7	8	9	10	11
448491	30.0	332398	41.5	116093	16.8
211236	29.9	148832	39.5	62404	18.9
304261	33.1	233298	48.1	70963	16.3
299279	35.2	219640	48.6	79639	20.0
392275	39.2	289405	52.4	102870	22.9
245562	26.2	192678	38.1	52884	12.2
370433	38.6	275890	55.5	94543	20.4
628948	44.6	399467	53.0	229481	35.0
486427	36.8	337228	47.3	149199	24.5
366084	32.4	253220	41.7	112864	21.6
570983	42.5	402255	56.4	168728	26.8
345919	40.9	246347	54.3	99572	25.3
4669898	36.1	3330658	48.2	1339240	22.3
2699179	26.9	2005424	37.3	693755	14.9

Source :- Director of Census Operations, Haryana

Literacy in Haryana

Table—5.3

Sr. No.	District	Literate and		
		Rural		Total
		Males	Females	
1	2	3	4	5
1	Hisar	235954	57812	293766
2	Sirsa	102313	34486	136799
3	Bhiwani	183643	44661	228304
4	Gurgaon	157531	41044	198575
5	Faridabad	138690	25057	163747
6	Jind	151417	29912	181329
7	Mahendragarh	230909	69571	300480
8	Ambala	232091	106599	338690
9	Karnal	219742	70672	290414
10	Kurukshetra	190068	72333	262401
11	Rohtak	304798	107465	412263
	Sonipat	190501	64886	255387
Total		2337657	724498	3062155

by Districts, Area and Sex—1981 Census

Educated Persons						Literate/ Educated Persons as Percentage to total population
Urban			Total			
Males	Females	Total	Males	Females	Total	
6	7	8	9	10	11	12
96444	58281	154725	332398	116093	448491	29.97
46519	27918	74437	148832	62404	211236	29.87
49655	26302	75957	233298	70963	304261	33.07
62109	38595	100704	219640	79639	299279	35.23
150715	77813	228528	289405	102870	392275	39.19
41126	22972	64233	192678	52884	245562	26.18
44198	24972	69953	275890	94543	370433	38.61
167376	122882	290258	399467	229481	628948	44.62
117486	78527	196013	337228	149199	486427	36.77
63152	40531	103683	253220	112864	366084	32.40
97457	61263	158720	402255	168728	570983	42.55
55846	34686	90532	246347	99572	345919	40.85
993001	614742	1607743	3330658	1339240	4669898	36.14

Source : Director of Census Operations, Haryana.

Distribution of Literate Persons by

Table—5.4

Sr. No.	Level of Education	Urban		Total
		Males	Females	
1	2	3	4	5
1	Literate without any Educational level	230019	164256	394275
2	Primary	216119	161682	377801
3	Middle	178346	101026	279372
4	Matriculate/Secondary	195018	91422	286440
5	Higher Secondary/ Inter/Pre-University	73856	37558	111414
6	Non-Technical Diploma or Certificate not equal to Degree	1225	2552	3777
7	Technical Diploma or Certificate not equal to Degree	14458	10919	25377
8	Graduate & above	83958	45327	129285
Total		992999	614742	1607741

Note:- The data are based on 20 per cent sample obtained from the individual slips of 1981-Census.

Level of Education, Area and Sex—1981 Census

Rural			Total		
Males	Females	Total	Males	Females	Total
6	7	8	9	10	11
806188	329100	1135288	1036207	493356	1529563
707334	266024	973358	923453	427706	1351159
423093	74238	497331	601439	175264	776703
276143	37433	313576	471161	128855	600016
56482	6833	63315	130338	44391	174729
1741	937	2678	2966	3489	6455
20500	4995	25495	34958	15914	50872
46178	4938	51116	130136	50265	180401
2337659	724498	3062157	3330658	1339240	4669898

Source :- Director of Census Operations, Haryana.

Percentage Distribution of Literate Persons by

Table—5.5

Sr. No.	Level of Education	Urban		
		Males	Females	Total
1	2	3	4	5
1.	Literate without any Educational Level	23.16	26.72	24.52
2.	Primary	21.76	26.30	23.50
3.	Middle	17.96	16.43	17.38
4.	Matriculate/Secondary	19.64	14.87	17.82
5.	Higher Secondary/Inter/ Pre-University	7.44	6.11	6.93
6.	Non-Technical Diploma or certificate not equal to degree	0.12	0.42	0.23
7.	Technical Diploma or certificate not equal to degree	1.46	1.78	1.58
8.	Graduate & above	8.46	7.37	8.04
Total		100.00	100.00	100.00

Level of Education, Area and Sex—1981 Census

Rural			Total		
Males	Females	Total	Males	Females	Total
6	7	8	9	10	11
34.49	45.42	37.07	31.11	36.84	32.76
30.26	36.72	31.79	27.73	31.94	28.93
18.10	10.25	16.24	18.05	13.09	16.63
11.81	5.17	10.24	14.15	9.62	12.85
2.42	0.94	2.07	3.91	3.31	3.74
0.07	0.13	0.09	0.09	0.26	0.14
0.88	0.69	0.83	1.05	1.19	1.09
1.97	0.68	1.67	3.91	3.75	3.86
100.00	100.00	100.00	100.00	100.00	100.00

Source—Director of Census Operations, Haryana.

Literacy Among Scheduled

Table—5.6

Sr. No.	District	Number of		
		Rural		Total
		Males	Females	
1	2	3	4	5
1.	Hisar	29966	3330	33296
2.	Sirsa	12180	1827	14007
3.	Bhiwani	22901	2764	25665
4.	Gurgaon	21429	3979	25408
5.	Faridabad	21093	2038	23131
6.	Jind	18236	1678	19914
7.	Mahendragarh	33643	6559	40202
8.	Ambala	53399	13258	66657
9.	Karnal	30110	4436	34546
10.	Kurukshetra	25424	4418	29842
11.	Rohtak	40627	7751	48378
12.	Sonipat	26261	4596	30857
Total		335269	56634	391903

Castes in Haryana—1981 Census

Literate Scheduled Castes						Literate Scheduled castes as percentage to total Scheduled castes
Urban			Total			
Males	Females	Total	Males	Females	Total	
6	7	8	9	10	11	12
8040	2040	10080	38006	5370	43376	13.21
4377	1107	5484	16557	2934	19491	10.91
5137	1059	6196	28038	3823	31861	18.88
6791	2096	8887	28220	6075	34295	28.42
11086	2155	13241	32179	4193	36372	23.21
2585	629	3214	20821	2307	23128	12.80
4142	1239	5381	37785	7798	45583	28.91
13463	6136	19599	66862	19394	86256	26.05
7833	2470	10303	37943	6906	44849	18.88
3573	1096	4669	28997	5514	34511	15.06
9289	2709	11998	49916	10460	60376	25.95
4164	1285	5449	30425	5881	36306	25.54
80480	24021	104501	415749	80655	496404	20.15

Source : Director of Census Operations, Haryana.

Distribution of Population of Haryana by

Table—5.7

Age Group	Sex	Illiterate	Literate and Educated			
			Literate without Education Standard	Primary	Middle	Matric/Secondary
1	2	3	4	5	6	7
0—4	Male	890043	0	0	0	0
	Female	820377	0	0	0	0
5—9	Male	609447	379159	3746	0	0
	Female	642573	221852	2662	0	0
10—14	Male	235268	375914	324293	40458	2246
	Female	478863	181773	159435	24555	1787
15—19	Male	219610	57288	209964	186177	76512
	Female	386037	25138	94889	63119	37042
20—24	Male	194285	33276	105872	120856	110949
	Female	388831	13306	55095	34093	40978
25—29	Male	175593	24970	69265	75897	89387
	Female	324990	10233	37485	19495	22575
30—34	Male	160087	21434	51868	48194	59789
	Female	285647	8138	24912	11852	12143
35—59	Male	729390	102126	128808	108250	117674
	Female	1014223	25531	47921	20499	13715
60+	Male	365101	38509	29405	21520	14497
	Female	331451	5014	5181	1631	587
Age not stated	Male	456	3531	232	87	107
	Female	448	2371	126	20	28
All ages	Male	3579280	1036207	923453	601439	471161
	Female	4673440	493356	427706	175264	128855
Total		8252720	1529563	1351159	776703	600016

Education Standard, Age & Sex—1981 Census

Persons					Total Population
Higher Sec./Inter/Pre-University	Non-Tech. Diploma or Certificate not equal to degree	Technical Diploma or Certificate Not equal to Degree	Graduates & above	Total Literate	
8	9	10	11	12	13
0	0	0	0	0	890043
0	0	0	0	0	820377
0	0	0	0	382905	992352
0	0	0	0	224514	867087
155*	16	15	0	743097	978365
221	5	12	0	367778	846641
28578	189	1461	2299	562468	782078
17785	387	1079	2773	242212	628249
38159	558	5807	28827	444304	638589
3629	871	3574	21024	182570	571401
25802	389	5477	34751	325938	501531
6916	503	3386	14015	114603	439598
5909	357	6943	24835	229329	389416
3068	299	3734	6709	70855	356502
20146	1222	14471	36318	529015	1258405
2661	1329	3925	5597	121178	1135401
1552	236	773	3043	109535	474636
105	95	198	128	12939	344390
37	0	11	63	4068	4524
16	0	6	19	2586	3034
30338	2966	34958	130136	3330658	6909938
44391	3489	15914	50265	1339240	6012680
174729	6455	50872	180401	4569898	12922618

Source—Director of Census Operations, Haryana.

Note :—The data are based on 20 per cent sample obtained from the individual slips of 1981 Census.

Percentage Distribution of Population of Haryana by

Table—5.8

Age Group	Sex	Illiterate	Literate and			
			Literate without Education Standard	Primary	Middle	Matric/Secondary
1	2	3	4	5	6	7
0—4	Male	100.0	—	—	—	—
	Female	100.0	—	—	—	—
5—9	Male	61.4	38.2	0.4	—	—
	Female	74.1	25.6	0.3	—	—
10—14	Male	24.0	38.4	33.2	4.2	0.2
	Female	56.6	21.5	18.8	2.9	0.2
15—19	Male	28.1	7.3	26.8	23.8	9.8
	Female	61.4	4.0	15.1	10.1	5.9
20—24	Male	30.4	5.2	16.6	18.9	17.4
	Female	68.0	2.3	9.6	6.0	7.2
25—29	Male	35.0	5.0	13.8	15.1	17.8
	Female	73.9	2.3	8.5	4.4	5.2
30—34	Male	41.1	5.5	13.3	12.4	15.3
	Female	80.1	2.3	7.0	3.3	3.4
35—59	Male	58.0	8.1	10.2	8.6	9.4
	Female	89.3	2.3	4.2	1.8	1.2
60+	Male	76.9	8.1	6.2	4.5	3.1
	Female	96.2	1.5	1.5	0.5	0.2
Age not Stated	Male	10.1	78.1	5.1	1.9	2.4
	Female	14.8	78.1	4.2	0.7	0.9
All Ages	Male	51.8	15.0	13.4	8.7	6.8
	Female	77.7	8.2	7.1	2.9	2.2
Total		63.9	11.8	10.5	6.0	4.6

@ Negligible

Education Standard, Age and Sex-1981 census

Educated Persons					Total
Higher Secondary/ Inter/Pre- University	Non-Technical Diploma or certificate not equal to degree	Technical Diploma or Certificate not equal to degree	Graduate and above	Total Literate	
8	9	10	11	12	13
—	—	—	—	—	100.0
—	—	—	—	—	100.0
—	—	—	—	38.6	100.0
—	—	—	—	25.9	100.0
@	@	@	—	76.0	100.0
@	@	@	—	43.4	100.0
3.7	@	0.2	0.3	71.9	100.0
2.8	0.1	0.2	0.4	38.6	100.0
6.0	0.1	0.9	4.5	69.6	100.0
2.4	0.2	0.6	3.7	32.0	100.0
5.2	0.1	1.1	6.9	65.0	100.0
1.6	0.1	0.8	3.2	26.1	100.0
4.1	0.1	1.8	6.4	58.9	100.0
0.9	0.1	1.0	1.9	19.9	100.0
1.6	0.1	1.1	2.9	42.0	100.0
0.2	0.1	0.4	0.5	10.7	100.0
0.3	0.1	0.2	0.6	23.1	100.0
@	@	0.1	@	3.8	100.0
0.8	—	0.2	1.4	89.9	100.0
0.5	—	0.2	0.6	85.2	100.0
1.9	@	0.5	1.9	48.2	100.0
0.7	0.1	0.3	0.8	22.3	100.0
1.4	@	0.4	1.4	36.1	100.0

Source—Director of Census Operations, Haryana.

Distribution of Rural Population of Haryana by Education

Table—5.9

Age Group	Sex	Illiterate	Literate and			
			Literate without Education Standard	Primary	Middle	Matriulate/Secondary
1	2	3	4	5	6	7
0—4	Male	712845	—	—	—	—
	Female	656495	—	—	—	—
5—9	Male	524742	275066	1889	—	—
	Female	559153	136064	904	—	—
10—14	Male	206274	313598	249706	24924	1033
	Female	438727	138435	98256	9247	442
15—19	Male	188591	48104	171704	139683	48860
	Female	348918	20431	71862	30959	12025
20—24	Male	164655	26271	82382	87971	71464
	Female	340456	9283	38698	17370	13716
25—29	Male	148765	19825	53420	54206	55819
	Female	280206	6660	23511	8207	6281
30—34	Male	137892	17011	40181	33741	35019
	Female	246466	4960	13441	3914	2864
35—59	Male	635915	77132	90117	69683	58428
	Female	849556	10971	18139	4299	2052
60+	Male	323252	27864	17788	12823	5483
	Female	269424	1647	1184	232	49
Age not Stated	Male	378	1317	147	62	37
	Female	366	649	29	10	4
All Ages	Male	3043309	806188	707334	423093	276143
	Female	3989767	329100	266024	74238	37433
Total all Ages		7033076	1135288	973358	497331	313576

Standard, Age and Sex—1981 Census

Educated Persons					
Higher Sec./ Inter/Pre- University	Non-Tech. Diploma or certi- ficate not equal to degree	Technical Diploma or certi- ficate holder equal to Degree	Graduate and above	Total literate (col. 4 to col 11)	Total Rural population
8	9	10	11	12	13
—	—	—	—	—	712845
—	—	—	—	—	656495
—	—	—	—	276955	801697
—	—	—	—	136968	696121
67	10	5	—	589343	795617
54	—	—	—	246434	685161
1 1539	102	809	763	421564	610155
2404	144	388	339	138552	487470
119084	403	3270	12442	303287	467942
2585	316	1402	2253	85623	426079
111955	263	3227	13617	212332	361097
1173	223	1183	1604	48842	329048
6623	246	4344	8582	145747	283639
374	93	1113	486	27245	273711
6707	598	8494	10186	321345	957260
228	161	853	247	36950	886506
491	120	340	550	65459	388711
5	—	51	—	3168	272592
16	—	11	38	1628	2006
10	—	5	9	716	1082
56482	1741	20500	46178	2337659	5380968
6833	937	4995	4938	724498	4714265
663315	2678	25495	51116	3062157	10095233

Source :—Director, Census Operations Haryana.

Note :—The data are based on 20 percent sample obtained from the individual slips of 1981-Census

Percentage Distribution of Rural Population of Haryana by

Table—5.10

Age Group	Sex	Illiterate	Literate and Educated			
			Literate without Education Standard	Primary	Middle	Matric/Secondary
1	2	3	4	5	6	7
0—4	Male	100.0	—	—	—	—
	Female	100.0	—	—	—	—
5—9 ^d	Male	65.5	34.3	0.2	—	—
	Female	80.3	19.6	0.1	—	—
10—14	Male	25.9	39.4	31.4	3.2	0.1
	Female	64.0	20.2	14.3	1.4	0.1
15—19	Male	30.9	7.9	28.2	22.9	8.0
	Female	71.6	4.2	14.7	6.3	2.5
20—24	Male	35.2	5.6	17.6	18.8	15.3
	Female	79.9	2.2	9.1	4.1	3.2
25—29	Male	41.2	5.5	14.8	15.0	15.4
	Female	85.2	2.0	7.1	2.5	1.9
30—34	Male	48.6	6.0	14.2	11.9	12.4
	Female	90.0	1.8	4.9	1.4	1.1
35—59	Male	66.4	8.0	9.4	7.3	6.1
	Female	95.8	1.3	2.1	0.5	0.2
60+	Male	83.2	7.2	4.6	3.3	1.4
	Female	98.8	0.6	0.5	0.1	@
Age not Stated	Male	18.8	65.7	7.3	3.1	1.8
	Female	33.8	60.0	2.7	0.9	0.4
All Ages	Male	56.6	15.0	13.1	7.9	5.1
	Female	84.6	7.0	5.6	1.6	0.8
Total		69.7	11.3	9.6	4.9	3.1

Education Standard, Age and Sex—1981 Census

Persons					
Higher Secondary/ Inter/Pre University	Non Tech. Diploma or certificate not equal to degree	Technical Diploma or certificate not equal to degree	Graduate and above	Total Literate	Total
8	9	10	11	12	13
—	—	—	—	—	100.0
—	—	—	—	—	100.0
—	—	—	—	34.5	100.0
—	—	—	—	19.7	100.0
@	@	@	—	74.1	100.0
@	—	—	—	36.0	100.0
1.9	@	0.1	0.1	69.1	100.0
0.5	@	0.1	0.1	28.4	100.0
4.1	0.1	0.7	2.6	64.8	100.0
0.6	0.1	0.3	0.5	20.1	100.0
3.3	0.1	0.9	3.8	58.8	100.0
0.3	0.1	0.4	0.5	14.8	100.0
2.3	0.1	1.5	3.0	51.4	100.0
0.2	@	0.4	0.2	10.0	100.0
0.7	0.1	0.9	1.1	33.6	100.0
@	@	0.1	@	4.2	103.0
0.1	@	0.1	0.1	16.8	100.0
@	—	@	—	1.2	100.0
0.8	@	0.6	1.9	81.2	100.0
0.9	@	0.5	0.8	66.2	100.0
1.0	@	0.4	0.9	43.4	100.0
0.2	@	0.1	0.1	15.4	100.0
0.6	@	0.3	0.5	30.3	100.0

Distribution of Urban Population of Haryana by

Table—5.11

Age Group	Sex	Illiterate	Literate and Educated			
			Literate without Education Standard	Primary	Middle	Matric/Secondary
1	2	3	4	5	6	7
0—4	Male	177198	—	—	—	—
	Female	163882	—	—	—	—
5—9	Male	84705	104093	1857	—	—
	Female	83420	85788	1758	—	—
10—14	Male	28994	62316	74587	15534	1213
	Female	40136	43338	61179	15308	1345
15—19	Male	31019	9184	38260	46494	27652
	Female	37119	4707	23027	32160	25017
20—24	Male	29630	7005	23490	32885	39485
	Female	48375	4028	16397	16723	27262
25—29	Male	26828	5145	15845	21691	33568
	Female	44784	3573	13974	11288	16294
30—34	Male	22195	4423	11687	14453	24770
	Female	39181	3178	11471	7938	9279
35—59	Male	93475	24994	38691	38567	59246
	Female	164667	14560	29782	16200	11663
60+	Male	41849	10645	11617	8697	9014
	Female	62027	3367	3997	1399	538
Age not stated	Male	78	2214	85	25	70
	Female	82	1722	97	10	24
All ages	Male	535971	230019	216119	178346	195018
	Female	683673	164256	161682	101026	91422
Total		1219644	394275	377801	279372	286440

Education Standard, Age and Sex-1981 Census.

Persons					Total Urban Population
Higher Sec. / Inter/ Pre-University	Non-Technical Diploma or certificate not equal to degree	Technical Diploma or certificate not equal to degree	Graduate and above	Total Literate (col. 4 to col. 11)	
8	9	10	11	12	13
—	—	—	—	—	177198
—	—	—	—	—	163882
—	—	—	—	105950	190655
—	—	—	—	87546	170966
88	6	10	—	153754	182748
157	5	12	—	121344	161480
17039	87	653	1536	140905	171924
15381	243	691	2434	103660	140779
19075	155	2537	16385	141017	170647
111044	555	2172	18771	96947	145322
131847	126	2250	21134	113606	140434
5743	280	2203	12411	65766	110550
9286	111	2599	16253	83582	105777
22694	206	2621	6223	43610	82791
13439	624	5977	26132	207670	301145
2433	1168	3072	5350	84228	248895
1061	116	433	2493	44076	85925
100	95	147	128	9771	71798
21	—	—	25	2440	2518
6	—	1	10	1870	1952
731856	1225	14458	83958	992999	1528970
37558	2552	10919	45327	614742	1298415
111414	3777	25377	129285	1607741	2827385

Source :—Director of Census Operations, Haryana.

Note :— The data are based on 20 per cent sample obtained from the individual slips of 1981-Census

Percentage Distribution of Urban-Population of

Table—5.12

Age-Group	Sex	Illiterate	Literate and Educated			
			Literate without Education Standard	Primary	Middle	Matric/Secondary
1	2	3	4	5	6	7
0—4	Male	100.0	—	—	—	—
	Female	100.0	—	—	—	—
5—9	Male	44.4	54.6	1.0	—	—
	Female	48.8	50.2	1.0	—	—
10—14	Male	15.9	34.1	40.8	8.5	0.7
	Female	24.9	26.8	37.9	9.5	0.8
15—19	Male	18.0	5.3	22.3	27.0	16.1
	Female	26.4	3.3	16.4	22.8	17.8
20—24	Male	17.4	4.1	13.7	19.3	23.1
	Female	33.3	2.8	11.3	11.5	18.7
25—29	Male	19.1	3.7	11.3	15.4	23.9
	Female	40.5	3.2	12.7	10.2	14.7
30—34	Male	21.0	4.2	11.0	13.7	23.4
	Female	47.3	3.8	13.9	9.6	11.2
35—59	Male	31.0	8.3	12.8	12.8	19.7
	Female	66.2	5.8	12.0	6.5	4.7
60+	Male	48.7	12.4	13.5	10.1	10.5
	Female	86.4	4.7	5.6	1.9	0.8
Age Not Stated	Male	3.1	87.9	3.4	1.0	2.8
	Female	4.2	88.2	5.0	0.5	1.2
All Ages	Male	35.1	15.0	14.1	11.7	12.8
	Female	52.7	12.6	12.5	7.8	7.0
Total		43.1	14.0	13.4	9.9	10.1

Haryana by Education Standard, Age and Sex—1981 Census

Persons					
Higher Secondary/ Inter/Pre- University	Non-tech- nical Diploma or certi- ficate not equal to degree	Tech- nical diploma or Certi- ficate not eq- ual to degree	Graduate and above	Total Literate	Total
8	9	10	11	12	13
—	—	—	—	—	100.0
—	—	—	—	—	100.0
—	—	—	—	55.6	100.0
—	—	—	—	51.2	100.0
@	@	@	—	84.1	100.0
0.1	@	@	—	75.1	100.0
9.9	0.1	0.4	0.9	82.0	100.0
10.9	0.2	0.5	1.7	73.6	100.0
11.2	0.1	1.5	9.6	82.6	100.0
7.6	0.4	1.5	12.9	66.7	100.0
9.9	0.1	1.6	15.0	80.9	100.0
5.2	0.3	2.0	11.2	59.5	100.0
8.8	0.1	2.4	15.4	79.0	100.0
3.3	0.2	3.2	7.5	52.7	100.0
4.5	0.2	2.0	8.7	69.0	100.0
1.0	0.5	1.2	2.1	33.8	100.0
1.2	0.2	0.5	2.9	51.3	100.0
0.1	0.1	0.2	0.2	13.6	100.0
0.8	—	—	1.0	96.9	100.0
0.3	—	0.1	0.5	95.8	100.0
4.8	0.1	0.9	5.5	64.9	100.0
2.9	0.2	0.8	3.5	47.3	100.0
3.9	0.1	0.9	4.6	56.9	100.0

SECTION 6

SCHOOL EDUCATION

This section contains statistics on the growth of school education in Haryana. The school education is imparted at pre-primary, primary, middle and secondary level of education. Of the 8172 schools in the State during the year 1985-86, 27 were pre-primary, 5078 primary, 1121 middle and 1946 high/higher secondary schools. The number of schools increased from 7049 in 1976-77 to 8172 in 1985-86 i.e. by 15.9 per cent during a period of 10 years (Table 6.1). Table 6.2 and Table 6.3 contain the district-wise break-up of school institutions during the years 1984-85 and 1985-86.

Table 6.4 depicts the enrolment of students in pre-primary, primary, middle and secondary classes in the State from the year 1979-80 to 1985-86. The enrolment in pre-primary classes increased from 1350 in 1979-80 to 3908 in 1985-86 (i.e. by 189.5 per cent); in primary classes (I to V) from 11.62 lakhs to 15.76 lakhs (i.e. by 35.6 per cent), in middle classes (VI to VIII) from 4.45 lakhs to 5.88 lakhs (i.e. by 32.0 per cent) and in secondary classes from 1.58 lakhs to 2.47 lakhs (i.e. by 56.1 per cent). The increase in the enrolment of students in all the classes taken together increased from 17.66 lakhs to 24.14 lakhs (i.e. by 36.7 per cent) during the same period.

The class-wise enrolment of boys and girls during the years 1979-80 to 1985-86 is given in Table 6.5. During the year 1985-86, of the total enrolment of 24,13,975 students, there were 15,40,706 boys (63.82 per cent) and 8,73,269 girls (36.18 per cent). The enrolment of boys in pre-primary, primary, (I to V), middle (VI to VIII) and secondary (IX to XII) classes, was 0.15 per cent, 61.52 per cent, 26.55 per cent and 11.78 per cent respectively. These percentages for girls were 0.18, 71.88, 20.45 and 7.49. The table also reveals that as against 100 boys admitted, the enrolment of girls was 71 in pre-primary class, 66 in primary classes, 44 in middle classes and 36 in high/higher secondary classes and 57 at the State level.

In table 6.6 to table 6.9, the enrolment of boys and girls in pre-primary, primary, middle and high/higher secondary classes, according to districts, is set-out during the years 1979-80 to 1985-86.

**Number of Pre-Primary, Primary, Middle and High/Higher
Secondary Schools in Haryana (1976-77 to 1985-86)**

Table—6.1

Sr. No.	Year	Type of School				
		Pre- Primary	Primary	Middle	High/ Higher Secondary	Total Schools
1	2	3	4	5	6	7
1.	1976-77	7	5145	754	1143	7049
2.	1977-78	7	5141	755	1146	7049
3.	1978-79	7	5384	801	1201	7393
4.	1979-80	27	5117	833	1343	7320
5.	1980-81	27	4934	881	1473	7315
6.	1981-82	27	4940	947	1581	7495
7.	1982-83	27	4833	1044	1702	7606
8.	1983-84	27	4894	1107	1728	7756
9.	1984-85	27	4928	1105	1801	7861
10.	1985-86	27	5078	1121	1946	8172

Source—Director of School Education, Haryana.

**Number of Pre-Primary, Primary, Middle and High/Higher
Secondary Schools by Districts in Haryana during 1984-85.**

Table—6.2

Sr. No.	District	Pre-Primary	Primary	Middle	High/Higher Secondary	Total
1	2	3	4	5	6	7
1.	Hisar	1	322	152	208	683
2.	Sirsa	5	234	92	81	412
3.	Bhiwani	5	341	89	142	577
4.	Gurgaon	1	501	75	112	689
5.	Faridabad	—	385	66	127	578
6.	Jind	1	271	79	122	473
7.	Mahendragarh	1	576	115	140	832
8.	Ambala	1	767	114	200	1082
9.	Karnal	1	480	83	166	730
10.	Kurukshetra	5	586	81	132	804
11.	Rohtak	1	266	102	228	597
12.	Sonapat	5	199	57	143	404
Total		27	4928	1105	1801	7861

Source—Director of School Education, Haryana.

Number of Pre-Primary, Primary, Middle and High/Higher Secondary Schools by Districts in Haryana during 1985-86.

Table—6.3

Sr. No.	District	Pre-Primary	Primary	Middle	High/Higher Secondary	Total
1	2	3	4	5	6	7
1.	Hisar	1	346	137	242	726
2.	Sirsa	5	259	94	93	451
3.	Bhiwani	5	371	95	142	613
4.	Gurgaon	1	533	80	121	735
5.	Faridabad	—	375	72	138	585
6.	Jind	1	299	79	133	512
7.	Mahendragarh	1	577	112	155	845
8.	Ambala	1	758	122	216	1097
9.	Karnal	1	479	85	174	739
10.	Kurukshetra	5	586	81	143	815
11.	Rohtak	1	275	103	247	626
12.	Sonipat	5	220	61	142	428
Total		27	5078	1121	1946	8172

Source—Director of School Education, Haryana.

Enrolment in Pre-Primary, Primary, Middle and High/Higher

Table—6.4

Stage & Age-Group	Sex	1979-80	1980-81
1	2	3	4
Pre-Primary (below 6 Years)	Boys	806	1578
Enrolment in Pre-Primary Classes	Girls	544	1182
	Total	1350	2760
Primary (6—10)	Boys	772745	822640
Enrolment in Classes I—V	Girls	388836	422847
	Total	1161581	1245487
Middle (11—13)	Boys	330937	351514
Enrolment in Classes VI—VIII	Girls	114309	125778
	Total	445246	477292
Secondary (14—16)	Boys	122312	135398
Enrolment in Classes IX—XII	Girls	35939	41443
	Total	158251	176841
Total Enrolment	Boys	1226800	1311130
(All Classes)	Girls	539628	591250
	Total	1766428	1902380

Secondary Classes in Haryana (1979-80 to 1985-86)

1981-82	1982-83	1983-84	1984-85	1985-86
5	6	7	8	9
1468	2728	1382	2043	2290
1384	1871	976	1376	1618
2852	4599	2358	3419	3908
852035	886558	913486	934938	947888
454940	508934	550638	591546	627665
1306975	1395492	1464124	1526484	1575553
369503	375248 *	386486	399900	408991
129266	140181	154834	162389	178566
498769	515429	541320	562289	587557
149608	158817	162724	176716	181537
48028	50744	53208	60741	65420
197636	209561	215932	237457	246957
1372614	1423351	1464078	1513597	1540706
633618	701730	759656	816052	873269
2006232	2125081	2223734	2329649	2413975

Source—Director of School Education, Haryana.

**Classwise Total Enrolment in Schools—Percentage to
Boys from 1979-80 to**

Table—6.5

Class/ Stage	1979-80				
	Enrolment				
	Boys	Girls	Total	Percentage to total at the stage	No. of Girls per 100 Boys
1	2	3	4	5	6
Pre-Primary	806	544	1350	—	67
I.	198255	109487	307742	26.5	55
II.	167754	87301	255055	22.0	52
III.	143927	71584	215511	18.5	50
IV.	136197	65517	201714	17.4	48
V.	126612	54947	181559	15.6	43
I—V.	772745	388836	1161581	100.0	50
VI	124407	46573	170980	38.4	37
VII	110477	36151	146628	33.0	33
VIII	96053	31585	127638	28.6	33
VI—VIII	330937	114309	445246	100.0	35
IX.	65860	18841	84701	53.5	29
X.	52466	14986	67452	42.6	29
XI	3877	2098	5975	3.8	54
XII	109	14	123	0.1	13
IX—XII	122312	35939	158251	100.0	29
Grand Total	1226800	539628	1766428	—	44

**Total at the Stage and Number of Girls per Hundred
1985-86**

1980-81				
Enrolment				
Boys	Girls	Total	Percentage to total ^a at the stage	No. of Girls per 100 Boys
7	8	9	10	11
1578	1182	2760	—	75
211938	123661	335599	26.9	58
178697	96231	274928	22.1	54
160569	80222	240791	19.3	50
139241	64527	203768	16.4	46
132195	58206	190401	15.3	44
822640	422847	1245487	100.0	51
123357	49711	173068	36.3	40
119852	40759	160611	33.6	34
108305	35308	143613	30.1	33
351514	125778	477292	100.0	36
65712	20198	85910	48.6	31
65460	18952	84412	47.7	29
4068	2221	6289	3.6	55
158	72	230	0.1	46
135398	41443	176841	100.0	31
1311130	591250	1902380	—	45

Table—6.5 (Contd.)

Class/ Stage	1981-82				
	Enrolment			Percentage to total at the stage	No. of Girls per 100 Boys
	Boys	Girls	Total		
1	12	13	14	15	16
Pre-Primary	1466	1384	2852	—	94
I.	216964	133203	350167	26.8	61
II.	188382	105286	293668	22.5	56
III.	170912	86941	257853	19.7	51
IV.	147581	70626	218207	16.7	48
V.	128196	58884	187080	14.3	46
I—V	852035	454940	1306975	100.0	53
VI	133056	49974	183030	36.7	38
VII	124116	42264	166380	33.4	34
VIII	112331	37028	149359	29.9	33
VI—VIII	369503	129266	498769	100.0	35
IX.	78043	24963	103006	52.1	32
X.	66216	20368	86584	43.8	31
XI.	4947	2467	7414	3.8	50
XII.	402	230	632	0.3	57
IX—XII	149608	48028	197636	100.0	32
Grand Total	1372614	633618	2006232	—	46

Date: 1/7/58

1982-83

Enrolment

Boys	Girls	Total	Percentage to total at the stage	No. of Girls per 100 Boys
17	18	19	20	21
2728	1871	4599	—	69
215466	141928	357394	25.6	66
194287	119915	314202	22.5	62
181683	101559	283242	20.3	56
156934	79330	236264	16.9	51
138188	66202	204390	14.7	48
886558	508934	1395492	100.0	57
131815	53468	185283	3.59	41
122591	45827	168418	32.7	37
120842	40886	161728	31.4	34
375248	140181	515429	100.0	37
77423	24450	101873	48.6	32
74928	23457	98385	46.9	31
6093	2624	8717	4.2	43
373	213	586	0.3	57
158817	50744	209561	100.0	32
1423351	701730	2125081	—	49

Table—6.5 Contd.

Class/ Stage	1983-84				
	Enrolment				
	Boys	Girls	Total	Percentage to total at the stage	No. of Girls per 100 Boys
1	22	23	24	25	26
Pre-Primary	1382	976	2358	—	71
I.	217559	150707	368266	25.2	69
II.	194348	124656	319004	21.8	64
III.	192211	114372	306583	20.9	59
IV.	164649	88879	253528	17.3	54
V.	144719	72024	216743	14.8	50
I—V	913486	550638	1464124	100.0	60
VI.	140593	60778	201371	37.2	43
VII.	124512	48959	173471	32.0	39
VIII	121381	45097	166478	30.8	37
VI-VIII	386486	154834	541320	100.0	40
IX.	80833	26525	107358	49.7	33
X.	76293	24089	100382	46.5	32
XI.	5216	2379	7595	3.5	4.6
XII.	382	215	597	0.3	5.6
IX-XII	162724	53208	215932	100.0	33
Grand Total	1464078	759656	2223734	—	52

1984-85

Enrolment

Boys	Girls	Total	Percentage to total at the stage	No. of Girls per 100 boys
27	28	29	30	31
2043	1376	3419	—	67
21 8339	154484	372823	24.4	71
19 9437	135214	334651	21.9	68
19 3855	122486	316341	20.7	63
17 1257	99025	270282	17.7	58
15 2050	80337	232387	15.3	53
93 4938	591546	1526484	100.0	63
14 6275	64005	210280	37.4	44
13 0127	52208	182335	32.4	40
12 3498	46176	169674	30.2	37
39 9900	162389	562289	100.0	41
8 8395	31020	119415	50.3	35
8 2101	26794	108895	45.9	33
5718	2686	8404	3.5	47
502	241	743	0.3	48
17 6716	60741	237457	100.0	34
151 3597	816052	2329649	—	54

Table—6.5 (Concl'd.)

Class/Stage	1985—86				
	Enrolment				
	Boys	Girls	Total	Percentage to total at the stage	No. of Girls per 100 Boys
1	32	33	34	35	36
Pre/Primmary	2290	1618	3908	—	71
I.	216740	159332	376072	23.9	74
II.	196445	138806	335251	21.3	71
III.	198239	131258	329497	20.9	66
IV.	176158	107398	283556	18.0	61
V.	160306	90871	251177	15.9	57
I-V	947888	627665	1575553	100.0	66
VI.	148655	70879	219534	37.4	48
VII.	136191	57886	194077	33.0	43
VIII.	124145	49801	173946	29.6	40
VI-VII.	408991	178566	587557	100.0	44
IX.	89205	31952	121157	49.0	36
X.	81240	28784	110024	44.6	35
XI.	10536	4372	14908	6.0	41
XII.	556	312	868	0.4	56
IX-XII	181537	65420	246957	100.0	36
Grand Total	1540706	873269	2413975	—	57

Source—Director of School Education, Haryana.

Table—6.6 Enrolment of Pre-Primary/Balwaries Classes by Sex and Districts in Haryana (1979-80 to 1985-86).

Table—6.6
Enrolment in Pre-Primary/Balwaries Classes by Sex

Sr. No.	District	1979-80			1980-81			1981-82		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1	2	3	4	5	6	7	8	9	10	11
1.	Hisar	74	54	128	64	69	133	37	35	72
2.	Sirsa	72	45	117	179	128	307	417	210	627
3.	Bhiwani	160	66	226	146	49	195	154	72	226
4.	Gurgaon	26	14	40	18	15	33	38	16	54
5.	Faridabad	—	—	—	817	624	1441	495	709	1204
6.	Jind	135	71	206	33	20	53	27	17	44
7.	Mahendragarh	30	20	50	28	24	52	21	30	51
8.	Ambala	143	133	276	24	17	41	25	20	45
9.	Karnal	20	19	39	23	23	46	24	26	50
10.	Kurukshetra	—	—	—	86	83	169	81	95	176
11.	Rohtak	12	10	22	12	10	22	12	10	22
12.	Sonipat	134	112	246	148	120	268	137	144	281
Total		806	544	1350	1578	1182	2760	1468	1384	2852

and Districts 1979-80 to 1985-86.

1982-83			1983-84			1984-85			1985-86		
Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
12	13	14	15	16	17	18	19	20	21	22	23
35	25	60	47	35	82	119	81	200	172	119	291
141	86	227	125	78	203	136	87	223	134	96	230
168	62	230	178	74	252	105	76	181	185	92	277
26	18	44	28	11	39	29	18	47	20	21	41
938	1139	2077	518	427	945	985	710	1695	1010	722	1732
22	15	37	94	59	153	177	122	299	303	212	515
42	38	80	81	68	149	75	47	122	59	50	109
21	19	40	18	19	37	13	20	33	34	20	54
17	19	36	14	15	29	16	16	32	15	12	27
1151	362	1513	87	95	182	166	83	249	138	142	280
9	7	16	10	2	12	21	3	24	10	7	17
158	81	239	182	93	275	201	113	314	210	125	335
2728	1871	4599	1382	976	2358	2043	1376	3419	2290	1618	3908

Source—Director of School Education, Haryana.

Table —6.7 Enrolment in Primary Classes (I—V) by Sex and

Sr. No.	District	1979-80		
		Boys	Girls	Total
1	2	3	4	5
1.	Hisar	78843	32923	111766
2.	Sirsa	37600	19959	57559
3.	Bhiwani	62822	25462	88284
4.	Gurgaon	52208	21563	73771
5.	Faridabad	57928	24217	82145
6.	Jind	57091	20581	77672
7.	Mahendragarh	68826	34348	103174
8.	Ambala	77070	50052	127122
9.	Karnal	72092	43731	115823
10.	Kurukshetra	69513	37502	107015
11.	Rohtak	78989	45918	124907
12.	Sonipat	59763	32580	92343
Total :		772745	388836	1161581

Districts 1979-80 to 1985-86

1980-81			1981-82		
Boys	Girls	Total	Boys	Girls	Total
6	7	8	9	10	11
84618	36120	120738	90213	39724	129937
38503	21342	59845	39797	23317	63114
66267	29437	95704	69314	31290	100604
57233	25267	82500	59682	28437	88119
63180	28139	91319	65008	31415	96423
57813	20539	78352	59840	21900	81740
72778	36367	109145	73728	41885	115613
79446	52435	131881	83443	57893	141336
80814	43355	124169	79691	44420	124111
71898	40391	112289	73390	43284	116674
90704	55141	145845	92863	54466	147319
59386	34314	93700	65066	36919	101985
822640	422847	1245487	852035	454940	1306975

Source—Director of School Education, Haryana.

Table-6.7 (Contd.)

		1982-83			1983-84		
		Boys	Girls	Total	Boys	Girls	Total
1	2	12	13	14	15	16	17
1.	Hisar	93704	43015	136719	97588	48354	145942
2.	Sirsa	41349	25316	66665	42407	27279	69686
3.	Bhiwani	70647	34949	105596	71363	35559	106922
4.	Gurgaon	63073	32958	96031	66720	34497	101217
5.	Faridabad.	69647	36121	105768	71504	37772	109276
6.	Jind	67580	28872	96452	70499	34757	105256
7.	Mahendragarh	75558	45500	121058	77196	51346	128542
8.	Ambala	85104	62945	148049	88269	68023	156292
9.	Karnal	88067	52287	140354	88048	54942	142990
10.	Kurukshetra	74270	45159	119429	77407	47442	124849
11.	Rohtak	92690	62958	155648	97151	68588	165739
12.	Sonipat	64869	38854	103723	65334	42079	107413
Total :		886558	508934	1395492	913486	550638	1464124

(Table 6.7 conctd.)

1984-85			1985-86		
Boys	Girls	Total	Boys	Girls	Total
18	19	20	21	22	23
98838	52374	151212	98687	57272	155959
43812	29204	73016	45564	32176	77740
73844	39884	113728	77237	45163	122400
67950	34815	102765	71600	37091	108691
74473	42255	116728	72871	43840	116711
72556	37752	110308	72682	40244	112926
77375	53653	131028	75716	55663	131379
96831	78050	174881	100975	78968	179943
88802	57060	145862	91504	61494	152998
78246	52283	130529	77388	51329	128717
99340	71567	170907	100371	77688	178059
62871	42649	105520	63293	46737	110030
934938	591546	1526484	947888	627665	1575553

Enrolment in Middle Classes (VI to VIII)

Table—6.8

Sr. No.	District	1979—80		
		Boys	Girls	Total
1	2	3	4	5
1	Hisar	29349	9318	38667
2	Sirsa	12497	4564	17061
3	Bhiwani	25583	6134	31717
4	Gurgaon	19002	7757	26759
5	Faridabad	22923	6830	29753
6	Jind	23468	5111	28579
7	Mahendragarh	33295	7955	41250
8	Ambala	36971	17354	54325
9	Karnal	32902	12908	45810
10	Kurukshetra	27975	9488	37463
11	Rohtak	40035	16590	56625
12	Sonapat	26937	10300	37237
Total		330937	114309	445246

by Sex and Districts—1979-80 to 1985-86

1980—81			1981—82		
Boys	Girls	Total	Boys	Girls	Total
6	7	8	9	10	11
31823	10455	42278	33621	10602	44223
12800	5035	17835	13226	5503	18729
29049	6021	35070	29366	7112	36478
22735	7954	30689	24614	7388	32002
26756	8574	35330	26826	8787	35613
22574	5978	28552	24311	5058	29369
35489	9199	44688	36389	10015	46404
40388	19051	59439	40142	20158	60300
34197	12894	47091	33735	13169	46904
27720	9472	37192	28927	10428	39355
44278	19411	63689	46131	18896	65027
23705	11734	35439	32215	12150	44365
351514	125778	477292	369503	129266	498769

Table—6.8 *Contd.*

Sr. District No.	1982—83		
	Boys	Girls	Total
1	12	13	14
1 Hisar	34828	11257	46085
2 Sirsa	13641	6066	19707
3 Bhiwani	28486	8026	36512
4 Gurgaon	26659	8428	35087
5 Faridabad	27165	9635	36800
6 Jind	26320	6230	32550
7 Mahendragarh	37352	10722	48074
8 Ambala	40665	21199	61864
9 Karnal	34997	13487	48484
10 Kurukshetra	28782	11800	40582
11 Rohtak	44831	20716	65547
12 Sonapat	31522	12615	44137
Total	375248	140181	515429

1983—84			1984—85			1985—86		
Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
15	16	17	18	19	20	21	22	23
36591	11954	48545	37313	12891	50204	39160	14022	53182
14777	6570	21347	15255	6998	22253	15485	7481	22966
29832	8795	38627	30621	9840	40461	32780	11147	43927
27130	9487	36617	28044	9657	37701	29496	10778	40274
28794	10009	38803	31125	11430	42555	32271	12181	44452
26584	7045	33629	27108	7451	34559	27643	8180	35823
37714	12455	50169	38745	14313	53058	40050	15849	55899
43369	22903	66272	44087	23312	67399	44779	25476	70255
36449	14543	50992	36749	15024	51773	37903	16798	54701
31694	13913	45607	31330	14213	45543	28223	14392	42615
43903	21806	65709	46868	23264	70132	48834	25792	74626
29649	15354	45003	32655	13996	46651	32367	16470	48837
386486	154834	541320	399900	162389	562289	408991	178566	587557

Source—Director of School Education, Haryana.

Enrolment in High/Higher Secondary Classes

Table—6.9

Sr. No.	District	1979—80		
		Boys	Girls	Total
1	2	3	4	5
1	Hisar	11323	3104	14427
2	Sirsa	4043	1240	5283
3	Bhiwani	9943	1858	11801
4	Gurgaon	7187	2367	9554
5	Faridabad	7470	2805	10275
6	Jind	8180	1268	9448
7	Mahendragarh	12578	1995	14573
8	Ambala	13137	5722	18859
9	Karnal	11835	4179	16014
10	Kurukshetra	8745	2483	11228
11	Rohtak	16632	5745	22377
12	Sonapat	11239	3173	14412
Total		122312	35939	158251

(IX to XII) by Sex and Districts 1979-80 to 1985-86

1980—81			1981—82		
Boys	Girls	Total	Boys	Girls	Total
6	7	8	9	10	11
12534	3838	16372	13753	4051	17804
4685	1532	6217	5094	1800	6894
10952	2121	13073	9721	2381	12102
7996	2681	10677	8949	3138	12087
9557	3666	13223	11274	4522	15796
10495	1304	11799	9031	1374	10405
14303	2453	16756	15704	2857	18561
13719	6477	20196	16256	7301	23557
13078	4642	17720	14175	5216	19391
9329	2702	12031	10980	3053	14033
16557	5944	22501	21889	7917	29806
12193	4083	16276	12782	4418	17200
135398	41443	176841	149608	48028	197636

Table—6,9 (Contd.)

Sr. No.	District	1982—83		
		Boys	Girls	Total
1	2	12	13	14
1	Hisar	15056	4394	19450
2	Sirsa	5321	1841	7162
3	Bhiwani	10613	2418	13031
4	Gurgaon	9791	3347	13138
5	Faridabad	11908	4812	16720
6	Jind	11019	1814	12833
7	Mahendragarh	16666	3207	19873
8	Ambala	16758	7742	24500
9	Karnal	15760	5509	21269
10	Kurukshetra	12001	3484	15485
11	Rohtak	19856	7595	27451
12	Sonapat	14068	4581	18649
Total		158817	50744	209561

1983—84			1984—85			1985—86		
Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
15	16	17	18	19	20	21	22	23
15056	4310	19366	16397	5038	21435	17077	5541	22618
5515	2003	7518	5830	2274	8104	6269	2242	8511
12007	2495	14502	12419	3374	15793	14318	3888	18206
10406	3307	13713	10858	3473	14331	11212	4177	15389
13032	4790	17822	13719	5304	19023	13238	5584	18822
10941	2001	12942	12073	2510	14583	12581	2759	15340
17186	3767	20953	18718	4322	23040	18951	4790	23741
17154	8330	25484	18454	9207	27661	19461	9573	29034
15814	5533	21347	15901	5783	21684	16522	6371	22893
12417	3379	15796	14516	4607	19123	13826	4563	18389
19744	7576	27320	21036	8870	29906	21108	9438	30546
13452	5717	19169	16795	5979	22774	16974	6494	23468
162724	53208	215932	176716	60741	237457	181537	65420	246957

Source—Director of School Education, Haryana.

SECTION 7

SCHOOL TEACHERS FOR GENERAL EDUCATION

This section contains data about teachers employed in the pre-primary, primary, middle and high/higher secondary schools of the State. The number of teachers for general education rose from 52460 in 1979-80 to 67,267 in 1985-86 showing an increase of 28.2 per cent in a span of seven years i.e. an increase of 4 per cent per annum. Out of 67,267 teachers in 1985-86, 15577 (23.1%) were pre-primary/primary school teachers, 10747 (16.0%) middle school teachers and the remaining 40943 (60.9%) were high/higher secondary school teachers.

The percentage of trained teachers in pre-primary, primary, middle and high/higher-secondary schools was 100.0, 99.96, 99.52 and 99.63 respectively as against the State's percentage of 99.69 during the year 1985-86.

The percentage of female teachers was 30.8 in 1979.80 which gradually increased to 37.3 in the year 1985-86.

The teacher-pupil ratio gradually increased from 39 in 1978-79 to 46 in 1985-86 in the primary classes. In the middle classes the teacher-pupil ratio slightly decreased from 32 in 1978-79 to 30 in 1985-86. However, teacher-pupil ratio has again shown an increase from 14 to 18 in secondary classes during the same period.

The details are presented in tables 7.1 to 7.6.

**Number of Teachers School-wise in Haryana
during 1979-80 to 1985-86**

Table 7.1

Sr. No.	Year	Pre-primary School Teachers	Primary School Teachers	Middle School Teachers	High/Higher Secondary School Teachers	Total School Teachers
1	2	3	4	5	6	7
1.	1979-80	25	16442	8503	27490	52460
2.	1980-81	36	15080	8733	81699	55548
3.	1981-82	34	14575	8750	34225	57584
4.	1982-83	34	13979	9389	36249	59651
5.	1983-84	40	14096	10569	37308	62013
6.	1984-85	34	14601	11086	39254	64975
7.	1985-86	36	15541	10747	40943	67267

Source : Director of School Education, Haryana.

Number of Teachers by

Table 7.2

Sr. No.	District	Pre-Primary School			Primary School		
		Men	Women	Total	Men	Women	Total
1	2	3	4	5	6	7	8
1	Hisar	2	—	2	609	373	982
2	Sirsa	—	5	5	435	228	663
3	Bhiwani	—	5	5	656	344	1000
4	Gurgaon	—	2	2	909	357	1266
5	Faridabad	—	—	—	932	399	1331
6	Jind	1	1	2	630	201	831
7	Mahendragarh	1	2	3	1112	464	1576
8	Ambala	—	3	3	997	968	1965
9	Karnal	—	1	1	954	582	1536
10	Kurukshetra	2	1	3	881	626	1507
11	Rohtak	1	1	2	624	407	1031
12	Sonipat	2	4	6	584	329	913
Total :		9	25	34	9323	5278	14601

Source—Director of School Education, Haryana..

Sex and Districts (1984-85)

Middle School			High/Higher Secondary School			Total All		
Men	Women	Total	Men	Women	Total	Men	Women	Total
9	10	11	12	13	14	15	16	17
824	495	1319	2601	1307	3908	4036	2175	6211
455	374	829	989	536	1525	1879	1143	3022
640	202	842	2167	652	2819	3463	1203	4666
403	295	698	1390	1091	2481	2702	1745	4447
461	324	785	1762	1396	3158	3155	2119	5274
656	191	847	2165	495	2660	3452	888	4340
838	351	1189	2306	545	2851	4257	1362	5619
507	575	1082	2013	2355	4368	3517	3901	7418
497	288	785	2264	1494	3758	3715	2365	6080
523	277	800	1787	938	2725	3193	1842	5035
700	472	1172	3549	2075	5624	4874	2955	7829
473	265	738	2257	1120	3377	3316	1718	5034
6977	4109	11086	25250	14004	39254	41559	23416	64975

Number of Teachers by Sex

Table 7.3

Sr. No.	District	Pre-Primary School			Primary School			Middle School	
		Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
1.	Hisar	2	—	2	645	461	1106	674	449
2.	Sirsa	—	5	5	426	289	715	432	362
3.	Bhiwani	—	5	5	638	422	1060	650	281
4.	Gurgaon	—	2	2	911	409	1320	427	295
5.	Faridabad	—	—	—	928	397	1325	466	289
6.	Jind	1	1	2	735	270	1005	563	216
7.	Mahendergarh	1	2	3	1156	517	1673	783	312
8.	Ambala	—	3	3	971	1035	2006	487	570
9.	Karnal	—	1	1	941	677	1618	494	343
10.	Kurukshetra	4	1	5	871	588	1459	521	275
11.	Rohtak	1	1	2	695	595	1290	668	473
12.	Sonipat	2	4	6	654	310	964	456	261
Total		11	25	36	9571	5970	15541	6621	4126

Source :—Director of School Education, Haryana.

and by Districts (1985-86)

Total	High/Higher Secondary School			Total Teachers		
	Men	Women	Total	Men	Women	Total
11	12	13	14	15	16	17
1123	2690	1451	4141	4011	2361	6372
794	1048	613	1661	1906	1269	3175
931	2248	729	2977	3536	1437	4973
722	1395	1212	2607	2733	1918	4651
755	1826	1571	3397	3220	2257	5477
779	2224	611	2835	3523	1098	4621
1095	2311	603	2914	4251	1434	5685
1057	2076	2422	4498	3534	4030	7564
837	2396	1518	3914	3831	2539	6370
796	1811	935	2746	3207	1799	5006
1141	3607	2176	5783	4971	3245	8216
717	2348	1122	3470	3460	1697	5157
10747	25980	14963	40943	42183	25084	67267

School Teachers by Professional Training

Table 7.4

Sr. No.	Year	Pre-primary/Balwaries School Teachers				
		Total	Trained		Un-trained	
			Number	Percentage	Number	Percentage
1	2	3	4	5	6	7
1	1979-80	25	25	100.0	—	—
2	1980-81	36	36	100.0	—	—
3	1981-82	34	34	100.0	—	—
4	1982-83	34	34	100.0	—	—
5	1983-84	40	40	100.0	—	—
6	1984-85	34	34	100.0	—	—
7	1985-86	36	36	100.0	—	—

in Haryana—1979-80 to 1985-86

Primary School Teachers				
Total	Trained		Un-trained	
	Number	Percentage	Number	Percentage
8	9	10	11	12
16442	16429	99.92	13	0.08
15080	15074	99.96	6	0.04
14575	14567	99.95	8	0.05
13979	13970	99.94	9	0.06
14096	14092	99.97	4	0.03
14601	14595	99.96	6	0.04
15541	15535	99.96	6	0.04

Table 7.4 (concl.)

Sr. No.	Year	Middle School Teachers				
		Total	Trained		Un-trained	
			Number	Percentage	Number	Percentage
1	2	13	14	15	16	17
1	1979-80	8503	8483	99.76	20	0.24
2	1980-81	8733	8711	99.75	22	0.25
3	1981-82	8750	8732	99.79	18	0.21
4	1982-83	9389	9332	99.39	57	0.61
5	1983-84	10569	10516	99.50	53	0.50
6	1984-85	11086	10989	99.13	97	0.87
7	1985-86	10747	10695	99.52	52	0.48

High/Higher Secondary School Teachers					Total all (Pre-primary to High/Higher Secondary Teachers)				
Total	Trained		Un-trained		Total	Trained		Un-trained	
	Num-ber	Percen-tage	Num-ber	Percen-tage		Num-ber	Percen-tage	Num-ber	Percen-tage
18	19	20	21	22	23	24	25	26	27
27490	27329	99.41	161	0.59	52460	52266	99.63	194	0.37
31699	31502	99.38	197	0.62	55548	55323	99.59	225	0.41
34225	34025	99.42	200	0.58	57584	57358	99.61	226	0.39
36249	36068	99.50	181	0.50	59651	59404	99.59	247	0.41
37308	37119	99.49	189	0.51	62013	61767	99.60	246	0.40
39254	39109	99.63	145	0.37	64975	64727	99.62	248	0.38
40943	40790	99.63	153	0.37	67267	67056	99.69	211	0.31

Source :--Director of School Education, Haryana.

Number of Female School Teachers and its Percentage to

Table 7.5

Sr. Year No.		Pre-Primary		Primary	
		Number	Percentage	Number	Percentage
1	2	3	4	5	6
1	1979-80	20	80.0	4992	30.4
2	1980-81	34	94.4	4587	30.4
3	1981-82	33	97.1	4471	30.7
4	1982-83	30	88.2	4384	31.4
5	1983-84	33	82.5	4640	32.9
6	1984-85	25	73.5	5278	36.1
7	1985-86	25	69.4	5970	38.4

Total School Teachers—1979-80 to 1985-86

Middle		High/Higher Secondary		Total Female School Teachers	
Number	Percentage	Number	Percentage	Number	Percentage
6	7	8	9	10	11
2566	30.2	8581	31.2	16159	30.8
2851	32.6	9810	30.9	17282	31.1
2992	34.2	10884	31.8	18380	31.9
3264	34.8	11984	33.1	19662	33.0
3689	34.9	12864	34.5	21226	34.2
4109	37.1	14004	35.7	23416	36.0
4125	38.4	14963	36.5	25084	37.3

Source :—Director of School Education, Haryana.

Teacher—Pupil Ratio by Stages

Table 7.6

Year	Primary@ (I—V)	Middle (VI—VIII)	Secondary (IX—XII)
1	2	3	4
1978-79	39	32	14
1979-80	40	32	17
1880-81	41	32	17
1981-82	42	31	18
1982-83	45	31	18
1983-84	46	31	17
1984-85	46	30	18
1985-86	46	30	18

Source :—Director, Public Instructions, Haryana

@Includes Pre-primary teachers

SECTION 8

INDUSTRIAL TRAINING AND TECHNICAL EDUCATION

This section contains information regarding the number of Industrial Training Institutes and Polytechnics and their intake capacity during the period 1979-80 to 1985-86 in the State. The information have been obtained from the Director of Industrial Training and Vocational Guidance, Haryana and Director, Technical Education, Haryana.

The strength of ITIs rose from 20 to 39 during the period from 1979-80 to 1985-86 whereas the intake capacity of students has risen from 7903 to 9856 during the same period. Gurgaon Mahendragarh, Ambala, Kurukshetra Rohtak and Sonapat districts had six ITIs each and Sirsa, Jind and Karnal districts had 2 institutions each. In the remaining districts Hisar, Faridabad and Bhiwani had 5, 3 and 1 institutions respectively during the year 1985-86. The maximum intake capacity of 408 students was sanctioned in the Welding Trade in one year course and 1296 and 732 students in Fitter and Turner trade respectively in two years course. Further, intake capacity of 896 in Hindi Stenography and 416 in English Stenography course was sanctioned under the non-engineering trades. The details are presented in Tables 8.1 and 8.2.

Table 8.3 depicts the teaching personnel working in the Industrial Training Institutes and Industrial Schools for girls.

There were 7 Polytechnics with an intake capacity of 1220 students for the year 1985-86 imparting training in Civil, Electrical, Mechanical, Electronics courses, etc. of 3 years duration. Besides, Young Men Christian Association (YMCA) is running Post-Diploma Courses of 4 years duration with an intake capacity of 145 students at Faridabad. The details are presented in tables from 8.4 to 8.6. Table 8.7 depicts the number of teachers working in diploma level Engineering Institutes in the State during the years 1979-80 to 1985-86. Only one woman teacher was employed in the Govt. Polytechnic, Ambala City in the year 1983-84 to 1985-86.

Number and Intake Capacity of the Industrial Training Institutes

Table—8.1

Sr. No.	District	1979-80		1980-81		1981-82	
		No.	Intake	No.	Intake	No.	Intake
1	2	3	4	5	6	7	8
1.	Hisar	1	645	1	740	3	944
2.	Sirsa	2	487	2	644	2	624
3.	Bhiwani	1	325	1	324	1	340
4.	Gurgaon	1	552	3	772	3	968
5.	Faridabad	2	747	3	800	3	912
6.	Jind	1	265	1	360	1	376
7.	Mahendragarh	2	621	2	684	2	700
8.	Ambala	2	1290	2	1376	2	1512
9.	Karnal	2	799	2	876	2	904
10.	Kurukshetra	1	272	1	340	1	404
11.	Rohtak	3	1026	3	1160	3	1128
12.	Sonipat	2	874	2	940	2	940
Total		20	7903	23	9016	25	9752

Note : Guest Classes have also been included in parent Institution.

in Haryana by Districts during 1979-80 to 1985-86

1982-83		1983-84		1984-85		1985-86	
No.	Intake	No.	Intake	No.	Intake	No.	Intake
9	10	11	12	13	14	15	16
3	872	3	944	3	1024	5	1024
2	564	2	520	2	552	2	552
1	308	1	324	1	324	1	324
3	1056	3	1024	3	932	4	960
3	912	3	952	3	932	3	960
1	504	1	504	1	408	2	420
2	592	2	592	2	732	4	728
2	1516	2	1532	2	1516	4	1564
2	852	2	824	2	856	2	876
1	496	1	464	1	492	4	476
3	1116	3	1084	3	1048	4	1048
2	908	2	956	2	1016	4	924
25	9696	25	9720	25	9832	39	9856

Source :— Director of Industrial Training and Vocational Guidance, Haryana.

**Trade-wise Intake Capacity of the Industrial Training Institutes in Haryana
During 1979-80 to 1985-86**

Table—8.2

Sr. No.	Engineering Trades	Intake						
		1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
1	2	3	4	5	6	7	8	9
A—One Year Course								
1.	Black Smith	61	64	64	64	64	64	48
2.	Boiler Attendent	—	—	—	—	16	—	—
3.	Carpenter	231	336	384	416	416	416	320
4.	Heat Treatment	—	—	—	—	16	—	—
5.	Mechanic Diesel	141	144	176	160	160	160	176
6.	Mechanic Tractor	304	320	320	320	320	320	320
7.	Moulder	225	224	224	240	240	240	224
8.	Painter	108	112	96	128	128	128	144
9.	Plumber	46	48	48	96	96	96	96
10.	Sheet Metal Worker	108	144	160	160	144	144	128
11.	Welder (Gas & Electric)	307	324	348	384	432	420	408
12.	Wireless Operator	38	32	32	16	16	16	16
Total		1569	1748	1852	1984	2048	2004	1880

Sr. No.	Engineering Trades	Intake						
		1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
1	2	3	4	5	6	7	8	9
B. Two years Course								
1.	Draughtmen (Civil)	309	400	464	464	464	528	528
2.	Draughtmen (Mechanic)	268	272	288	288	288	288	304
3.	Electrician	661	736	768	736	736	720	672
4.	Electroplator	16	32	32	32	32	48	48
5.	Fitter	887	1072	1200	1280	1280	1280	1296
6.	Instrument Mechanic	58	64	64	48	48	48	48
7.	Machinist	438	492	492	492	492	504	576
8.	Mechanist (Grinder)	61	60	60	60	60	72	72
9.	Mechanic General Electric	67	80	80	80	80	128	160
10.	Mill Wright Mechanic	74	64	64	64	16	16	32
11.	Motor Mechanic	368	480	480	480	496	496	480
12.	Pattern Maker	41	48	48	48	64	64	80
13.	Radio & T. V.	292	416	416	400	400	400	416
14.	Refrigation & A/c	72	112	112	128	160	160	160
15.	Surveyor	38	48	48	64	64	64	64
16.	Tool & Die Maker	173	176	176	192	176	176	100
17.	Turner	638	732	756	744	720	708	732
18.	Watch & Clock Repair	32	32	32	32	32	32	48
19.	Wireman	211	320	384	416	464	464	432
Total—B		4704	5636	5964	6048	6072	6196	6248

Table—8.2 (Concl'd.)

Sr. No.	Engineering/Non-Engineering Traders	Intake						
		1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
1	2	3	4	5	6	7	8	9
C—Non-Engineering Trades								
1.	Cutting & Tailoring	324	336	368	176	160	160	160
2.	Embroidary	156	160	160	80	112	96	96
3.	Hand Composition & Proof Reading	36	32	32	32	32	48	48
4.	Hand Weaving & Furnishing Fabrics	16	16	32	48	16	16	16
5.	Hand Weaving of Niwar, Tape, Durries and Carpets	28	32	64	48	48	48	48
6.	Mfg. of Foot Wears	—	—	—	—	16	16	16
7.	Printing Machine Operator	34	32	32	32	32	32	32
8.	Stenography (English)	578	576	512	480	416	416	416
9.	Stenography (Hindi)	458	448	736	736	768	800	896
10.	Dyeing & Calico Printing	—	—	—	16	—	—	—
11.	Hosiery	—	—	—	16	—	—	—
Total		1630	1632	1936	1664	1600	1632	1728
Grand Total (A+B+C)		7903	9016	9752	9696	9720	9832	9856

Source : Director of Industrial Training' and Vocational Guidance, Haryana.

Number of Teachers in Industrial Training Institutes including Women Wing in Haryana

Table—8.3

Type of School	Number of teachers		
	Male	Female	Total
Year			
1	2	3	4
Industrial Training Institutes			
1979-80	863	44	907
1980-81	874	47	921
1981-82	951	44	995
1982-83	965	48	1013
1983-84	1014	57	1071
1984-85	1015	47	1062
1985-86	985	42	1027
Industrial Schools for girls			
1979-80	15	93	108
1980-81	17	96	113
1981-82	16	105	121
1982-83	17	108	125
1983-84	19	107	126
1984-85	17	108	125
1985-86	18	133	151
Grand Total			
1979-80	878	137	1015
1980-81	891	143	1034
1981-82	967	149	1116
1982-83	982	156	1138
1983-84	1033	164	1197
1984-85	1032	155	1187
1985-86	1003	175	1178

Source :— Training Institutions in the State.

Number of Polytechnics in Haryana with figures of Intake and Out-turn

Table—8.4

Academic Year	Number of Institutes	Intake capacity	Actual admission	Out-turn	Name of the specialities in which the instructions are given
1	2	3	4	5	6
3 Years Diploma Course					
1979-80	7	1550	1792	952	Civil, Electrical, Mechanical,
1980-81	7	1180	1226	942	Automobile, Electronics,
1981-82	7	1180	1352	952	Production (sand-witch Pattern),
1982-83	7	1205	1311	1185	Surgical Instruments Tech- nology & Machine Tools and Die Sinking Technology
1983-84	7	1205	1472	971	
1984-85	7	1205	1289	995	
1985-86	7	1220	1396	1007	

4 Years Post Diploma Course [YMCA, Faridabad]

1979-80	1	120	125	108	(i) Machine Tools operation and maintenance.
1980-81	1	120	120	107	(ii) Fabrication, welding & sheet-Metal Technology.
1981-82	1	120	121	99	(iii) Refrigeration & Air Conditioning.
1982-83	1	120	120	111	(iv) Electrical, Machines & Power apparatus.
1983-84	1	145	137	109	(v) Electronics & Controls
1984-85	1	145	153	109	(vi) Electronics & Television Technology.
1985-86	1	145	138	102	(2 years advance diploma course in Tool Engineering from 1983-84 onwards).

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Source—Director of Technical Education, Haryana

N. B. : The intake for two private Institutions viz C. R. & V.T.I. Rohtak was abnormally increased by the State Govt. for the session 1979-80

Number and Intake Capacity in Polytechnics by
Table—8.5

District	1979-80		1980-81		1981-82	
	No.	Intake	No.	Intake	No.	Intake
1	2	3	4	5	6	7
1. Hisar	—	—	—	—	—	—
2. Sirsa	1	120	1	140	1	140
3. Bhiwani	—	—	—	—	—	—
4. Gurgaon	—	—	—	—	—	—
5. Faridabad	1	120	1	120	1	120
6. Jind	—	—	—	—	—	—
7. Mahendragarh	—	—	—	—	—	—
8. Ambala	1	270	1	300	1	300
9. Karnal	1	240	1	300	1	300
10. Kurukshetra	—	—	—	—	—	—
11. Rohtak	3	830	3	380	3	380
12. Sonapat	1	90	1	60	1	60
Total :	8	1670	8	1300	8	1300

Districts in Haryana during 1979-80 to 1985-86

1982-83		1983-84		1984-85		1985-86	
No.	Intake	No.	Intake	No.	Intake	No.	Intake
8	9	10	11	12	13	14	15
—	—	—	—	—	—	—	—
1	140	1	140	1	140	1	155
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
1	120	1	145	1	145	1	145
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
1	330	1	330	1	330	1	330
1	300	1	300	1	300	1	300
—	—	—	—	—	—	—	—
3	375	3	375	3	375	3	375
1	60	1	60	1	60	1	60
8	1325	8	1350	8	1350	8	1365

Source—Director of Technical Education, Haryana

Trade-wise Intake Capacity of Engineering Diploma Courses in Ploytechnics in Haryana during 1979-80 to 1985-86

Table—8.6

Sr. No.	Discipline	Intake Capacity						
		1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
1	2	3	4	5	6	7	8	9
A—3 Years Diploma Course								
1.	Civil	720	520	520	520	520	520	520
2.	Mechanical	345	275	275	240	240	240	240
3.	Electrical	345	265	265	265	265	265	265
4.	Automobile	30	30	30	30	30	30	30
5.	Electronics	20	20	30	30	30	30	30
6.	Architectural Assistant-ship	—	—	—	30	30	30	30
7.	Production(3½ Year) sand witch pattern	—	—	—	30	30	30	30
8.	Surgical Instruments Technology.	45	30	30	30	30	30	30
9.	Mechine Tools Technology	45	30	30	30	30	30	30
10.	Agricultural Engg.	—	—	—	—	—	—	15
Total :—		1550	1180	1180	1205	1205	1205	1220

(B) 4 Years Post—Diploma Course (YMCA, Faridabad)

1	2	3	4	5	6	7	8	9
1.	MTM	30	30	30	30	30	30	30
2.	FWSM	15	15	15	15	15	15	15
3.	RAC	15	15	15	15	15	15	15
4.	EMPA	30	30	30	30	30	30	30
5.	EC	15	15	15	15	15	15	15
6.	E.T.T	15	15	15	15	15	15	15
7.	Tool Engg. (2 year Advance Diploma)	—	—	—	—	25	25	25
Total :		120	120	120	120	145	145	145
G. Total A+B		1670	1300	1300	1325	1350	1350	1365

Source—Director of Technical Education, Haryana

**Number of Teachers in Diploma Level Engineering
during the Period from**

Table—8.7

Sr. No.	Name of Institute	1979-80		1980-81		1981-82	
		Male	Female	Male	Female	Male	Female
1	2	3	4	5	6	7	8
1.	Govt. Instt. of Engg. Sonipat	16	—	16	—	14	—
2.	Govt. Polytechnic, Jhajjar	52	—	52	—	54	—
3.	C.R. Polytechnic, Rohtak	35	—	35	—	35	—
4.	Govt. Polytechnic, Ambala City	83	—	85	—	83	—
5.	Govt. Polytechnic Sirsa	52	—	52	—	47	—
6.	Haryana Polytecnic Nilokheri.	61	—	71	—	69	—
7.	Y.M.C.A. Institute of Engineering, Faridabad	60	—	56	—	55	—
8.	Vaish Technical Institute, Rohtak	55	—	39	—	39	—
Total		414	—	406	—	396	—

Institutes in the State of Haryana

1979-80 to 1985-86

1982-83		1983-84		1984-85		1985-86	
Male	Female	Male	Female	Male	Female	Male	Female
9	10	11	12	13	14	15	16
16	—	17	—	18	—	18	—
49	—	53	—	44	—	53	—
35	—	35	—	35	—	35	—
82	—	87	1	87	1	86	1
49	—	43	—	43	—	43	—
67	—	69	—	68	—	73	—
59	—	60	—	59	—	61	—
39	—	44	—	45	—	44	—
396	—	408	1	399	1	418	1

Source—Director of Technical Education, Haryana

SECTION—9

UNIVERSITY EDUCATION

This section, besides giving the number of colleges, shows the number of students in colleges by type of courses. The results of the survey conducted by the Council of Scientific and Industrial Research, New Delhi alongwith the 1981 census are also given. The survey was conducted in Haryana on 20 percent sample basis which was multiplied by 5 to make the data comparable with other States. The results throw light on the extent of available trained manpower according to education and training received in different fields and deployment of manpower in different types of organisations. The data also depicts the information on self-employment and the extent of unemployment.

During the year 1985-86, there were three universities at Kurukshetra, Rohtak and Hisar. Out of 110 arts and science colleges, 27 are exclusively for women. Table 9.1 shows the growth of arts and science colleges by type of management while table 9.2 provides district-wise break-up of institutions for higher education during the year 1985-86.

Table 9.3 depicts the enrolment of students in colleges by (a) General Education, (b) Diploma/Certificate Courses in general education (c) Professional Education (Teachers Training) (d) Professional Education (Agriculture, Veterinary/Animal Science, Allopathy, etc). (e) Diploma/Certificate Courses under professional education.

Tables 9.4 to 9.6 depict some of the results of the aforesaid survey as under—

Table 9.4 : The different constituents of scientific & technical personnel by their fields of specialisation were Agriculture 5.73 percent, Science 18.66 per cent, Veterinary Science 1.37 percent, Engineering and Technology 27.13 per cent, Medicine Allopathy 4.46 percent, Indigenous Medicine 2.64 per cent, Dentistry 0.08 percent, Nursing 0.63 percent, ITI Certificate holders

26.51 percent, Education 12.12 per cent, Medicine (others) 0.10 per cent, others 0.34 percent and no-response from 0.23 per cent.

Table 9.5: According to the level of qualifications 1.74 percent were doctorate degree-holders, 12.69 percent were post-graduates including M. Phil and 39.84 percent were graduates besides 18.05 per cent were under-graduate diploma holders whereas others like ITI and under-graduate certificate holders were 27.11 per cent. No-response accounted for 0.57 percent.

Table 9.6 : Among the total scientific and technical personnel, employed and self-employed persons were 66.41 percent and 6.95 per cent, respectively, whereas 16.52 per cent were found without any employment. Some 0.88 per cent had reported themselves retired and remaining were students (2.72 percent), trainees (1.69 percent) and apprentice (1.24 per cent). The remaining 3.59 per cent were either employed in other jobs or did not give any response at the time of the survey.

Number of Colleges by type of Management (Arts & Science Colleges)

Table 9.1

Year	No. of Universities	Number of Colleges by type of Management			Colleges exclusively for women
		Private	Govt.	Total	
1	2	3	4	5	6
1980-81	3	74	24	98	23
1981-82	3	75	29	104	23
1982-83	3	74	32	106	25
1983-84	3	76	33	109	25
1984-85	3	77	33	110	27
1985-86	3	77	33	110	27

Source : Director of Public Instructions, Haryana

**Number of Institutions for Higher Education (General and Professional
other than Teachers Training) 1985-86**

Table 9.2

District	University	Art & Science Colleges	Agricul- ture	Veteri- nary Science	Engi- neering/ Techno- logy	Law	Allo- pathy	Ayur- vedic
1	2	3	4	5	6	7	8	9
Hisar	1	11	2	2	—	—	—	—
Bhiwani	—	5	—	—	1 (Techno- logy)	—	—	—
Gurgaon	—	7	—	—	—	—	—	—
Faridabad	—	6	—	—	—	—	—	—
Jind	—	6	—	—	—	—	—	—
Mahendra- garh	—	8	—	—	—	—	—	—
Ambala	—	20	—	—	—	—	—	—
Karnal	—	10	1 (NDRI)	—	—	—	—	—
Kurukshetra	1	13	1	—	1	1	—	1
Rohtak	1	15	—	—	—	—	3	—
Sonapat	—	5	—	—	—	—	1	—
Sirsa	—	4	—	—	—	—	—	—
Total	3	110	4	2	2	1	4	1

Source:—Director of Public Instructions, Haryana.

Number of Students in

Table—9.3

Type of Courses	Boys	
	1979—80	80—81
1	2	3
A—General Education		
(i) Pre University		
Arts	9349	10879
Science	5591	5963
Commerce	3911	4431
Total (i)	18851	21273
(ii) Three Years Degree Course		
Arts	18978	17935
Science	5148	5233
Commerce	7390	7796
Total (ii)	31516	30964
(iii) Post-Graduates		
Arts	1716	1659
Science	443	409
Commerce	242	169
Total (iii)	2401	2237
(iv) Doctorate		
Arts	203	120
Science	142	124
Commerce	34	29
Total (iv)	379	273
Grand Total (A)	53147	54747

* Inclusive of Ist year students

Colleges by Type of Courses during 1979-80 to 1985-86

81—82	82—83	83—84	84—85	85—86
4	5	6	7	8
17240	18511	22491	22082	16552
7449	6961	7201	7357	6812
5284	5262	5729	5528	5314
29973	30734	35421	34967	28678
17246	20608	22984	24378	27051
5583	6625	7202	7026	7021
7884	7979	8472	8640	8873
30713	35212	38658	40044	42945
1440	1423	1375	1532	1774
337	342	432	384	455
179	158	139	133	121
1956	1923	1946	2049	2350
105	92	108	166	81
124	116	118	105	73
30	16	31	31	14
259	224	257	302	168
62901	68093	76282	77362	74141

of 10 + 2 system during 1985-86.

Table 9.3. (contd.)

	Girls						
	1979—80	80—81	81—82	82—83	83—84	84—85	85—86
	9	10	11	12	13	14	15
A—General Education							
(i) Pre University							
Arts	4832	5281	6314	6556	7421	7821	6926
Science	884	884	1120	1150	1602	1646	1703
Commerce	285	338	509	577	860	1011	1169
Total (i)	6001	6503	7943	8283	9883	10478	9798
Three year degree course							
Arts	11718	12353	12819	14152	15136	16370	17441
Science	1384	1487	1751	2169	2251	2652	2663
Commerce	412	609	779	1028	1274	1655	2030
Total (ii)	13514	14449	15349	17349	18661	20677	22134
(iii) Post-Graduates							
Arts	1186	1261	1184	1326	1450	1689	1802
Science	181	202	239	207	253	314	340
Commerce	16	30	34	33	52	75	99
Total (iii)	1383	1493	1457	1566	1775	2078	2241
(iv) Doctorate							
Arts	145	77	86	147	145	165	52
Science	53	59	45	43	46	51	32
Commerce	3	2	3	1	4	4	—
Total (iv)	201	138	134	191	195	220	84
Grand Total (A)	21099	22583	24883	27389	30494	33453	34257

Total						
1979—80	80—81	81—82	82—83	83—84	84—85	85—86
16	17	18	19	20	21	22
14181	16160	23554	25067	29912	29903	23478
6475	6847	8569	8111	8803	9003	8515
4196	4769	5793	5839	6589	6539	6483
24852	27776	37916	39017	45304	45445	38476
30696	30288	30065	34760	38120	40748	44492
6532	6720	7334	8794	9453	9678	9684
7802	8405	8663	9007	9746	10295	10903
45030	45413	46062	52561	57319	60721	65079
2902	2920	2624	2749	2825	3221	3576
624	611	576	549	685	698	795
258	199	213	191	191	208	220
3784	3730	3413	3489	3701	4127	4591
348	197	191	239	253	331	331
195	183	169	159	164	156	105
37	31	33	17	35	35	14
580	411	393	415	452	522	252
74246	77330	87784	95482	106776	110815	108398

Number of Students in Colleges by Type of

Table 9.3 (Contd.)

Type of Courses	Boys						
	1979—80	80—81	81—82	82—83	83—84	84—85	85—86
1	2	3	4	5	6	7	8
B—Other Diploma/ Certificate Courses							
Post-Graduate							
Automatic Computing	10	15	29	21	32	38	34
Personnel Management & Labour Welfare	77	78	96	92	118	122	105
Oriental Studies	29	6	21	22	13	9	16
Graduate							
Oriental studies	230	225	255	343	404	521	434
Under Graduate							
Post Matric							
Language	123	198	257	275	210	238	146
Stenography	179	32	—	904	—	—	—
Office Management & Secretarial Studies	259	103	82	29	26	8	—
Oriental Studies	155	165	208	212	502	394	290
Home Science	—	—	—	—	—	—	—
Total :- (B)	1062	822	948	1898	1305	1330	1025

Courses during 1979-80 to 1985-86

Girls							Total						
79-80	80-81	81-82	82-83	83-84	84-85	85-86	79-80	80-81	81-82	82-83	83-84	84-85	85-86
9	10	11	12	13	14	15	16	17	18	19	20	21	22
—	—	1	4	8	4	8	10	15	30	25	40	42	42
7	5	10	14	13	9	11	84	83	106	106	131	131	116
—	—	5	4	2	2	—	29	6	26	26	15	11	16
73	65	163	375	425	357	431	303	291	418	718	829	878	865
18	33	43	45	39	52	38	141	231	300	320	249	290	184
67	85	82	402	32	32	36	246	117	82	306	32	32	36
132	66	53	23	11	5	—	391	169	135	52	37	13	—
42	61	86	77	119	110	151	197	226	294	289	621	504	441
25	13	53	25	25	23	—	25	13	53	25	25	23	—
364	329	496	969	674	594	675	1426	1151	1444	2867	1979	1924	1700

Number of Students in Colleges by type of

Table 9.3 (Contd.)

Type of Course	Boys									
	79-80	80-81	81-82	82-83	83-84	84-85	85-86	1979-80	80-81	
	1	2	3	4	5	6	7	8	9	10
C. Professional Education (Teachers Training)										
Ph.D.	11	8	18	11	22	10	7	4	1	
M. Ed.	37	36	48	50	48	58	57	37	39	
B. Ed.	1224	1004	1240	1200	1050	1212	1574	2243	2287	
Physical Education (Post Graduates)	21	22	15	20	29	27	59	5	3	
Physical Education (Graduates)	101	97	107	120	120	130	106	23	10	
J.B.T. (Home Craft)	—	—	—	—	—	—	—	929	319	
Art & Craft	745	175	11	—	—	—	—	1623	357	
Total (C)	2139	1342	1439	1401	1269	1437	1803	4864	3016	

Courses during 1979-80 to 1985-86

Girls						Total					
81-82	82-83	83-84	84-85	85-86	79-80	80-81	81-82	82-83	83-84	84-85	85-86
11	12	13	14	15	16	17	18	19	20	21	22
3	7	8	19	3	15	9	21	18	30	29	10
63	51	86	80	71	74	75	111	101	134	138	128
2247	2302	1395	1527	1645	3467	3291	3487	3502	2445	2739	3219
10	10	10	20	25	26	25	25	30	39	47	84
9	19	24	19	8	124	107	116	139	144	149	114
72	—	—	—	—	929	319	72	—	—	—	—
31	295	—	—	—	2368	532	42	295	—	—	—
2435	2684	1523	1665	1752	7003	4358	3874	4085	2792	3102	3555

Number of Students in Colleges

Table 9.3 (contd.)

Type of Course	1979-80	1980-81	1981-82
1	2	3	4
(D) Professional Education			
(i) Doctorate Level			
Agriculture	297	349	348
Veterinary/Animal Sc.	53	44	55
Allopathy	7	—	6
Law	12	1	—
Engineering/Textile	—	—	—
Total (i)	369	394	409
(ii) Post Graduate Level			
Agriculture	370	399	372
Veterinary/Animal Science	40	40	70
Allopathy	100	43	97
Law	21	16	10
Engg./Textile	58	67	84
Total (ii)	589	565	633
(iii) Graduate Level			
Agriculture	997	880	999
Vety/Animal Science	276	307	325
Allopathy	451	489	506
Ayurvedic	1226	1059	1002
Law	927	905	857
Engg./Textile	1513	1515	1512
Library Science	17	10	12
Total (iii)	5407	5165	5213
Total—D	6365	6124	6255

by type of Courses during 1979-80 to 1985-86

Boys

1982-83	1983-84	1984-85	1985-86	1979-80	80-81	81-82
5	6	7	8	9	10	11
332	249	238	231	27	35	37
62	83	82	73	—	—	1
—	—	—	2	—	—	2
—	—	6	—	1	—	—
—	—	—	3	—	—	—
394	332	326	309	28	35	40
380	355	363	317	83	104	80
77	91	82	72	—	—	—
104	90	90	106	14	10	22
14	18	24	24	3	7	7
72	78	83	74	—	1	1
647	632	642	593	100	122	110
1016	1020	1046	1027	10	52	8
343	344	336	310	4	8	12
521	514	501	460	139	149	188
791	801	807	831	312	330	334
805	718	743	607	36	30	31
1564	1617	1731	1622	8	12	13
16	—	15	30	13	20	18
5056	5014	5179	4887	522	601	604
6097	5978	6147	5789	650	758	754

Table—9.3 (Contd.)

	Girls			
	82-83	83-84	84-85	85-86
	12	13	14	15
(D) Professional Education				
(i) Doctorate Level				
Agriculture	40	59	32	48
Veterinary/Animal Sc.	1	—	—	1
Allopathy	—	—	—	—
Law	—	—	1	—
Engineering/Textile	—	—	—	—
Total (i)	41	59	33	49
(ii) Post Graduate Level				
Agriculture	45	39	53	43
Veterinary/Animal Science	—	1	3	5
Allopathy	10	13	21	19
Law	4	3	4	2
Engg./Textile	—	1	1	4
Total (ii)	59	57	82	73
(iii) Graduate Level				
Agriculture	6	10	12	25
Vety/Animal Science	14	15	21	20
Allopathy	208	208	210	186
Ayurvedic	359	462	498	664
Law	37	44	41	39
Engg./Textile	14	19	29	30
Library Science	14	—	15	—
Total (iii)	652	758	826	964
Total—D	752	874	941	1086

Total						
1979-80	80-81	81-82	82-83	83-84	84-85	85-86
16	17	18	19	20	21	22
324	384	385	372	308	270	279
53	44	56	63	83	82	74
7	—	8	—	—	—	2
13	1	—	—	—	7	3
—	—	—	—	—	—	—
397	429	449	435	391	359	358
453	503	452	425	394	416	360
40	40	70	77	92	85	77
114	53	119	114	103	111	125
24	23	17	18	21	28	26
58	68	85	72	79	84	78
689	687	743	706	689	724	666
1007	932	1007	1022	1030	1058	1052
280	315	337	357	359	357	330
590	638	694	729	722	711	646
1538	1389	1336	1150	1263	1305	1495
963	935	888	842	762	784	646
1521	1527	1525	1578	1636	1760	1652
90	30	30	30	—	30	30
5929	5766	5817	5708	5772	6005	5851
7015	6882	7009	6849	6852	7088	6875

Number of Students in Colleges by Type of

Table 9.3 (Concl'd)

Type of Courses	Boys						
	1979-80	80-81	81-82	82-83	83-84	84-85	85-86
1	2	3	4	5	6	7	8
(E) Diploma/Certificate Courses							
Under Graduate/Post Matric							
Radiographer	—	9	7	9	—	9	—
Cooperation Multipurpose Health Worker	14	20	—	47	175	200	135
Pharmacy	N.A.	400	493	398	407	365	883
Nursing/Midwifery	28	27	5	19	65	55	16
Veterinary Science	116	150	175	177	181	103	60
Engineering	4040	4459	4138	3943	3388	3939	4257
Total (E)	4198	5065	4818	4593	4216	4671	5351

Courses during 1979-80 to 1985-86

Girls							Total						
1979-80	80-81	81-82	82-83	83-84	84-85	85-86	1979-80	80-81	81-82	82-83	83-84	84-85	85-86
9	10	11	12	13	14	15	16	17	18	19	20	21	22
—	1	1	1	—	1	—	—	10	8	10	—	10	—
—	—	229	61	—	—	—	14	20	229	108	175	200	135
N.A.	66	67	57	76	57	82	N.A.	466	560	455	483	422	965
685	845	597	942	952	923	1167	713	872	602	961	1017	978	1183
—	—	—	—	—	—	—	116	150	175	177	181	103	60
27	—	—	—	68	24	44	4067	4459	4138	3943	3456	3963	4301
712	912	394	1061	1096	1005	1293	4910	5977	5712	5654	5312	5676	6644

Distribution of Scientific and Technical Personnel According to

Table—9.4

Sr. No.	Field of Specialisation	Level of Qualification			
		Ph.D.		M. Phil	
		Male	Female	Male	Female
1	2	3	4	5	6
1.	Agricultural Science	250	10	10	—
2.	Science	170	15	55	35
3.	Voterinary Science	55	—	—	—
4.	Engg. & Technology	30	—	—	—
5.	Medicine Allopathy	—	—	—	—
6.	Medicine Homeopathy	—	—	—	—
7.	Medicine Ayurvedic	—	—	—	—
8.	Medicine Unani	—	—	—	—
9.	Dentistry	—	—	—	—
10.	Nursing	—	—	—	—
11.	I.T.I.	—	—	—	—
12.	Education	5	—	5	—
13.	Medicine (Others)	—	—	—	—
14.	Others	—	—	—	—
15.	Not Given	—	—	—	—
Total		510	25	70	35

Field of Specialisation, Level of Qualification and Sex-1981

Level of Qualification					
P.G. Degree		P.G, Diploma		Graduate	
Male	Female	Male	Female	Male	Female
7	8	9	10	11	12
460	5	—	—	1015	—
1310	405	15	—	3215	500
35	10	15	—	265	5
275	5	105	—	2100	20
230	55	70	40	670	175
5	—	—	—	10	—
5	—	—	—	310	30
—	—	—	—	5	—
—	—	—	—	20	5
—	5	—	—	—	10
—	—	—	—	—	—
500	195	—	—	2440	565
—	—	5	—	20	—
20	25	—	—	30	25
—	—	—	—	—	—
2840	705	210	40	10100	1335

Table--9.4 (Concl.)

Sr. No.	Fields of Specialisation	Level of Qualificaton					
		Equal to Graduate		U.G. Diploma		U.G. Certificate	
		Male	Female	Male	Female	Male	Female
1	2	13	14	15	16	17	18
1.	Agricultural Science	5	—	5	—	—	—
2.	Science	—	—	10	5	—	—
3.	Voterinary Science	5	—	15	5	10	—
4.	Engg. & Technology	460	5	5080	50	180	5
5.	Medicine Allopathy	25	—	65	15	20	—
6.	Medicine Homeo- pathy	15	—	40	—	5	—
7.	Medicine Ayurvedic	285	5	65	10	20	—
8.	Medicine Unani	—	—	—	—	—	—
9.	Dentistry	—	—	—	—	—	—
10.	Nursing	—	—	15	150	—	15
11.	I. T. I.	—	—	—	—	—	—
12.	Education	—	—	—	5	—	—
13.	Medicine (Others)	—	—	5	5	—	—
14.	Others	—	—	—	—	—	—
15.	Not Given	—	—	—	—	—	—
Total		795	10	5300	245	235	20

Level of Qualification						
ITI		Not Given		Total		
Male	Female	Male	Female	Male	Female	Total
19	20	21	22	23	24	25
—	—	—	—	1745	15	1760
—	—	—	—	4775	960	5735
—	—	—	—	400	20	420
—	—	20	—	8250	85	8335
—	—	—	5	1080	290	1370
—	—	—	—	75	—	75
—	—	—	—	685	45	730
—	—	—	—	5	—	5
—	—	—	—	20	5	25
—	—	—	—	15	180	195
7100	975	50	20	7150	995	8145
—	—	10	—	2960	765	3725
—	—	—	—	25	5	30
—	—	—	—	55	50	105
—	—	65	5	65	5	70
7100	975	145	30	27305	3420	30725

Source :—Council of Scientific & Industrial Research, New Delhi.

Distribution of Scientific and Technical Personnel According to
Table—9.5

Sr. No.	Level of Qualification	Present Status			
		Employed		Self-employed	
		Male	Female	Male	Female
1	2	3	4	5	6
1.	Ph. D.	475	20	5	—
2.	M. Phil	55	15	—	—
3.	P.G. Degree	2255	320	145	25
4.	P.G. Diploma	165	15	40	5
5.	Graduate	7530	540	1025	60
6.	Equal to Graduate	515	5	185	5
7.	U.G. Diploma	4165	170	305	25
8.	U.G. Certificate	180	10	20	—
9.	I.T.I.	3695	220	245	30
10.	Not Given	50	5	10	5
Total		19085	1320	1980	155

P.G.—Post—Graduate

U.G.—Under—Graduate

Field of Specialisation, Level of Qualification and Sex,-1981

Present Status					
Student		Trainee		Apprentice	
Male	Female	Male	Female	Male	Female
7	8	9	10	11	12
—	—	—	—	—	—
—	10	5	—	—	—
75	15	20	—	—	—
5	10	—	—	—	—
420	175	145	45	55	5
—	—	5	—	—	—
25	—	145	—	60	—
5	—	—	—	—	—
15	25	110	40	255	—
50	5	5	—	—	5
595	240	435	85	370	10

Table—9.5 (Concl'd.)

Sr. No.	Level of Qualification	Present Status					
		Retired		Unemployed Trying Job		Unemployed not Trying Job	
		Male	Female	Male	Female	Male	Female
1	2	13	14	15	16	17	18
1.	Ph. D.	15	—	15	5	—	—
2.	M. Phil	—	—	10	5	—	5
3.	P.G. Degree	30	—	270	155	5	160
4.	P.G. Diploma	—	5	—	5	—	—
5.	Graduate	95	—	585	225	60	215
6.	Equal to Graduate	20	—	55	—	—	—
7.	U.G. Diploma	80	5	455	20	20	10
8.	U.G. Certificate	—	—	25	5	—	5
9.	I.T.I,	15	—	2175	360	45	150
10.	Not Given	5	—	20	10	—	—
Total		260	10	3610	790	130	545

Present Status						
Others		Not Given		Total		
Male	Female	Male	Female	Male	Female	Total
19	20	21	22	23	24	25
—	—	—	—	510	25	535
—	—	—	—	70	35	105
—	—	40	30	2840	705	3545
—	—	—	—	210	40	250
—	—	185	70	10100	1335	11435
—	—	15	—	795	10	805
5	5	40	10	5300	245	5545
—	—	5	—	235	20	255
5	5	540	145	7100	975	8075
—	—	5	—	145	30	175
10	10	830	255	27305	3420	30725

Source:—Council of Scientific and Industrial Research, New Delhi.

Distribution of Scientific & Technical Personnel According to Field
Table—9.6

Sr. No.	Field of Specialisation	Present Status			
		Employed		Self-employed	
		Male	Female	Male	Female
1	2	3	4	5	6
1.	Agricultural Science	1525	10	30	—
2.	Science	3120	270	485	20
3.	Veterinary Science	355	15	—	—
4.	Engineering and Technology	6670	60	530	—
5.	Medicine Allopathy	700	150	230	65
6.	Medicine Homeopathy	25	—	25	—
7.	Medicine Ayurvedic	165	15	390	10
8.	Medicine Unani	—	—	5	—
9.	Dentistry	10	—	10	5
10.	Nursing	15	130	—	10
11.	I.T.I.	3720	225	245	35
12.	Education	2720	420	15	5
13.	Medicine (Others)	5	—	10	5
14.	Others	50	25	—	—
15.	Not Given	5	—	5	—
Total		19085	1320	1980	155

of Specialisation, Present Status and Sex—1981

Present Status					
Student		Trainee		Apprentice	
Male	Female	Male	Female	Male	Female
7	8	9	10	11	12
75	—	—	—	—	—
315	175	50	15	15	—
10	—	5	—	5	—
60	—	220	—	80	—
35	15	35	20	—	10
—	—	5	—	—	—
10	—	—	5	10	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—
15	25	110	40	255	—
25	20	5	5	5	—
—	—	—	—	—	—
—	—	—	—	—	—
50	5	5	—	—	—
595	240	435	85	370	10

Table—9.6 (Concl'd.)

Sr. No.	Field of Specialisation	Present Status					
		Retired		Un-employed Trying Job		Un-employed not trying Job	
		Male	Female	Male	Female	Male	Female
1	2	13	14	15	16	17	18
1.	Agricultural Science	20	—	80	5	—	—
2.	Science	60	—	540	195	50	210
3.	Veterinary Science	20	—	5	5	—	—
4.	Engineering & Technology	65	—	540	20	20	5
5.	Medicine Allopathy	55	5	15	20	—	5
6.	Medicine Homeopathy	5	—	15	—	—	—
7.	Medicine Ayurvedic	—	—	75	5	10	5
8.	Medicine Unani	—	—	—	—	—	—
9.	Dentistry	—	—	—	—	—	—
10.	Nursing	—	5	—	10	—	10
11.	I.T.I.	20	—	2190	370	45	150
12.	Education	15	—	135	145	5	150
13.	Medicine (Others)	—	—	10	—	—	—
14.	Others	—	—	5	15	—	10
15.	Not Given	—	—	—	—	—	—
Total		260	10	3610	790	130	545

Present Status						
Others		Not given		Total		
Male	Female	Male	Female	Male	Female	Total
19	20	21	22	23	24	25
—	—	15	—	1745	15	1760
—	—	140	75	4775	960	5735
—	—	—	—	400	20	420
5	—	60	—	8250	85	8335
—	—	10	—	1080	290	1370
—	—	—	—	75	—	75
—	—	25	5	685	45	730
—	—	—	—	5	—	5
—	—	—	—	20	5	25
—	5	—	10	15	180	195
5	5	545	145	7150	995	8145
—	—	35	20	2960	765	3725
—	—	—	—	25	5	30
—	—	—	—	55	50	105
—	—	—	—	65	5	70
10	10	830	255	27305	3420	30725

Source :—Council of Scientific & Industrial Research, New Delhi.

SECTION 10

REQUIREMENT AND AVAILABILITY OF TECHNICAL PERSONNEL

The Manpower and Employment Coordination Cell, Haryana, prepared estimates of requirement and availability of important categories of technical personnel during 1979-80 and Sixth Five Year Plan 1980-85 in the State of Haryana. These studies were confined to Public Sector only. The important results are furnished in Table 10.1.

It was estimated that Haryana State had a surplus of 33 agricultural graduates/post-graduates while on the other hand a shortage of 370 veterinary graduates and post-graduates existed in the State at end of sixth five year plan.

A surplus of 956 JBT, 6024 JBT (Home-Craft), 22054 B.Ed./M.Ed. and 340 D.P.Ed. teachers were found in the State of Haryana among the teaching person at the end of the year 1984-85. The State Govt. stopped the JBT and JBT (Home-Craft) courses with effect from the academic session 1977-78 and 1980-81, respectively.

Among the medical and health personnel the shortages amongst Dental Surgeons (40), Lady Health Visitors (70), Multi-purpose Health workers (Male) (258), Ophthalmic Assistant (28) and Dental Mechanics/Assistants (21) were estimated. The surplus position existed in case of Vaidyas/upvaidyas (1306) and Pharmacists (1003) at the end of six plan period where the opportunities exists for self-employment and employment in the private sector for these personnel.

Manpower Situation in Haryana

Category of Personnel	Stock as on 1.4.79	Requirement		
		1979-80	1980-81 to 1984-85	Total 1979-85
1	2	3	4	5
A—Agricultural and Allied Personnel				
1. Agricultural Graduate and Post-Graduate	2090	465	248	713
2. Veterinary Graduate & Post-Graduate	586	237	338	575
B—Teaching Personnel				
1. J.B.T.	32426	589	4783	5372
2. J.B.T. (Home Craft)	284	18	—	18
3. M.Ed./B.Ed.	12386	803	3125	3928
4. D.P.Ed./M.P.Ed.	91	11	11	22
C—Medical & Health Personnel				
1. Allopathic Doctors	1093	371	484	855
2. Dental Surgeons	44	—	45	45
3. Vaidyas	269	32	66	98
4. Multipurpose Health Workers (Female)	1201	607	350	957
5. Staff Nurses/General Nurses	1028	467	547	1014
6. Lady Health Visitors	207	256	134	390
7. Pharmacists	573	296	195	491
8. Laboratory Technicians	240	75	39	114
9. Radiographers	78	26	1	27
10. Multipurpose Health Workers (Male)	1868	180	356	536
11. Ophthalmic Assistants	—	56	—	56
12. Dental Mechanics	11	10	12	22
13. Upvaidyas	269	28	31	59

(1979-85) in Public Sector

Availability			Surplus (+) or Shortage (-)		
1979-80	1980-81 to 1984-85	Total 1979-8	1979-80	1980-81 to 1984-85	Total 1979-85
6	7	8	9	10	11
176	570	746	(-)289	(+)322	(+)33
40	165	205	(-)197	(-)173	(-)370
6328	—	6328	(+)5739	(-)4783	(+)956
3147	2895	6042	(+)3129	(+)2895	(+)6024
12354	13628	25982	(+)11551	(+)10503	(+)22054
63	299	362	(+) 52	(+)288	(+)340
270	591	861	(-)101	(+)107	(+) 6
5	—	5	(+) 5	(-) 45	(-) 40
605	858	1463	(+)573	(+)792	(+)1365
223	1084	1307	(-)384	(+)734	(+) 350
236	814	1050	(-)231	(+)267	(+) 36
9	311	320	(-)247	(+)177	(-) 70
317	1177	1494	(+)		(+)1003
70	116	186	(-)		-) 72
17	30	47	(-)		-) 20
178	100	278	(-)		-) 258
—	28	28	(-) 50	(+) 28	(-) 28
1	—	1	(-) 9	(-) 12	(-) 21
—	—	—	(-) 28	(-) 31	(-) 59

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