

MANPOWER SERIES—50

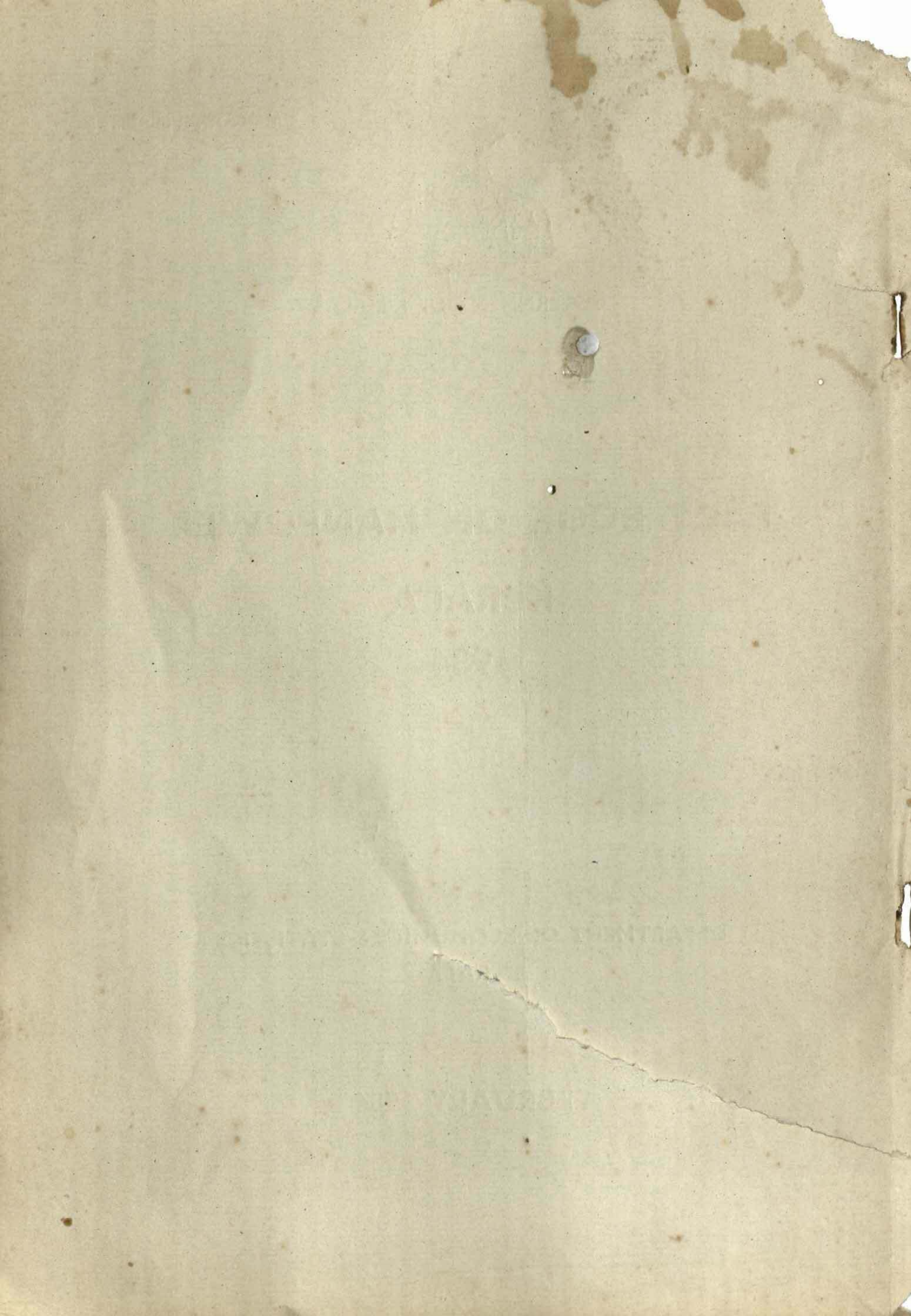


GOVERNMENT OF KERALA

**FACT BOOK ON MANPOWER
KERALA
1984**

**DEPARTMENT OF ECONOMICS & STATISTICS
KERALA**

FEBRUARY 1984



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DEPARTMENT OF ECONOMICS & STATISTICS

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PREFACE

Fact Book on Manpower—Kerala" presents a systematic arrangement of manpower data relating to the State, collected and compiled by the Manpower Division of the department. Every attempt is made, in this issue, to incorporate most updated figures given in our former issue of the fact book, published in November, 1976 and also to include new information on manpower Determinants. It is hoped that this publication will provide a treasure of data required for manpower planning exercises in the State.

Besides the co-operation of departmental manpower officers, the team work of, Smt. S. Suneetha, Assistant Director, Sri P.C. Jain & Smt. A. Sarasamma, Research Officers, Smt. T.M. Helen Violet, Research Assistant, Smt. K. Mary Metilda, U.D. Compiler and Smt. Helen Magline, L.D. Compiler is mostly involved in the preparation of this publication.

Trivandrum,
22-2-1984.

K. RAMAVARMA,
*Director of Economics and Statistics
Department.*

fact book on Mississippi - presents a systematic arrangement of statistical data relating to the state compiled and compiled by the Department of the Interior. Every attempt is made in this issue to incorporate most of the latest data available in our possession. The fact book published in November, 1916 and also a number of other publications. It is hoped that the publication will provide a means of data required for statistical purposes in the state.

Under the cooperation of departmental members, the team work of the Statistical Assistant, Mr. P. C. Smith and Mr. A. S. Searles, Research Officer, and T. W. Hildreth, Research Assistant, Mr. K. M. Mendenhall, U. S. Geographer and Mr. H. C. Gannett, U. S. Geographer, is mostly involved in the preparation of this publication.

K. S. Searles
Director of Economic and Statistics
Baltimore

For further
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SECTION I
POPULATION

TABLE 1.1

Area, Population and Density of Population by Districts—1971 and 1981

District	Area in Sq.km.	1971		1981	
		Population (Number)	Density (Per Sq. km.)	Population (Number)	Density (Per Sq. km.)
Trivandrum	2192	2198606	1003	2596112	1184
Quilon	4620	2412821	522	2813650	609
Alleppey	1883	2125722	1129	2350145	1248
Kottayam	2204	1539030	698	1697442	770
Idukki	5061	765608	151	971636	192
Ernakulam	2408	2163674	899	2535294	1053
Trichur	3032	2128797	702	2439543	805
Palghat	4480	1685347	384	2044399	456
Malappuram	3548	1856357	505	2402701	677
Kozhikode	2345	1821734	787	2245265	957
Wynad	2132	413850	195	554026	260
Cannanore	4958	235829	451	2803467	565
State	38863	21347375	549	25453680	655

Source: Census of India, 1981—Paper 3 of 1981.

TABLE 1.2

Distribution of Population of Kerala by Sex and Districts—1971 and 1981

District	1971			1981		
	Persons	Males	Females	Persons	Males	Females
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Trivandrum	2198606	1095186	1103420	2596112	1279150	1316962
Quilon	2412821	1205720	1207101	2813650	1388678	1424972
Alleppey	2125722	1048082	1077640	2350145	1146407	1203738
Kottayam	1539030	773182	765848	1697442	848462	848980
Idukki	765608	395297	370311	971636	494999	476637
Ernakulam	2163674	1088432	1075242	2535294	1269174	1266120
Trichur	2128797	1022774	1106023	2439543	1161675	1277868
Palghat	1685347	819573	865774	2044399	994196	1050203
Malappuram	1856357	909513	946844	2402701	1170778	1231923
Kozhikode	1821734	909051	912683	2245265	1111409	1133856
Wynad	413850	215323	198527	554026	284261	269765
Cannanore	2235829	1105718	1130111	2803467	1378578	1424889
State	21347375	10587851	10759524	25453680	12527767	12925913

Source: Census of India, 1981—Paper 3 of 1981.

TABLE 1.3

District-wise Rural and Urban Composition of Population

District	Population 1981			Percentage of urban population to the total population		Percentage decadal growth rate 1971-81		
	Total	Rural	Urban	1971	1981	Total	Rural	Urban
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Trivandrum	2596112	1940351	655761	26.00	25.26	+18.08	+19.26	+14.73
Quilon	2813650	2443530	370120	7.87	13.15	+16.61	+9.92	+94.90
Alleppey	2350145	1976633	373512	16.92	15.89	+10.56	+11.93	+3.84
Kottayam	1697442	1538335	159107	13.56	9.37	+10.29	+15.64	-23.79
Idukki	971636	927007	44629	3.30	4.59	+26.91	+25.21	+76.66
Ernakulam	2535294	1532402	1002892	29.39	39.56	+17.18	+0.31	+57.68
Trichur	2439543	1924760	514783	11.74	21.10	+14.60	+2.44	+106.04
Palghat	2044399	1837730	206669	12.70	10.11	+21.30	+24.91	-3.46
Malappuram	2402701	2224927	177774	6.73	7.40	+29.43	+28.50	+42.39
Kozhikode	2245265	1635033	610232	30.83	27.18	+23.25	+29.75	+8.67
Wynad	554026	554026	..	..	..	+33.87	+33.87	..
Cannanore	2803467	2147671	655796	14.53	23.39	+25.39	+12.39	+101.84
State	25453680	20682405	4771275	16.24	18.74	+19.24	+15.67	+37.64

Source: Census of India, 1981—Paper 3 of 1981.

TABLE 1.4

Population, Sex ratio and percentage of population of the States in India according to 1981 census

States/Union Territory	Number of Persons (Revised)			Sex ratio (Females per 1000 males)	% of the population to total population
	Persons	Males	Females		
(1)	(2)	(3)	(4)	(5)	(6)
STATES:					
1 Andhra Pradesh	53592605	27116081	26476524	976	7.84
2 Assam	19902826*	10472712*	9430114*	900	2.91
3 Bihar	69823154	35865467	33957687	947	10.21
4 Gujarat	33960905	17484540	16476365	942	4.97
5 Haryana	12850902	6846153	6004749	877	1.88
6 Himachal Pradesh	4237569	2131312	2106257	988	0.62
7 Jammu & Kashmir	5954010	3134518	2811949	899	0.84
8 Karnataka	37043451	18869494	18173957	963	5.42
9 Kerala	25403217	12487961	12915256	1034	3.71
10 Madhya Pradesh	52138467	26861329	25277138	941	7.62
11 Maharashtra	62715300	32358158	30357142	938	9.17
12 Manipur	1411375	715718	695657	972	0.21
13 Meghalaya	1328343	679519	648824	955	0.19
14 Nagaland	773281	414231	359050	867	0.11
15 Orissa	26272054	13253523	13018531	982	3.84
16 Punjab	16669755	8850234	7829521	886	2.44
17 Rajasthan	34108292	17735788	16372504	923	4.99
18 Sikkim	314999	171516	143483	837	0.05
19 Tamilnadu	48297456	24420228	23877228	978	7.06
20 Tripura	2047351	1051240	996111	948	0.30
21 Uttar Pradesh	110885874	58793073	52092801	886	16.21
22 West Bengal	54485560	28505151	25980409	911	7.97

States/Union Territories	Persons	Males	Females	Sex ratio	% of population
1 A & N. Islands	188254	106889	81365	761	0.03
2 Arunachal Pradesh	628050	335941	292109	870	0.09
3 Chandiger	450061	254208	195853	770	0.07
4 Dadr & Nagar Haveli	103677	52514	51163	974	0.01
5 Delhi	6196414	3422550	2773864	810	9.91
6 Goa, Daman & Diu	1082117	546260	535857	981	0.16
7 Lakshadweep	40237	20367	19870	976	0.01
8 Mizoram	48774	251988	235786	936	0.07
9 Pondicherry	604182	304324	299858	985	0.09
India	683997512	353502987	330494525	935	100.00

*Projected figures.

Source: Paper 2 of 1981 (Provisional)

TABLE 1.5

Population, Decennial Growth rate and density of population of Kerala 1901-1981

Year	Population (in lakhs)	Decennial growth rate percentage	Density of Population (per sq.km.)
1901	63.96	9.84	165
1911	71.48	11.75	181
1921	78.02	9.16	201
1931	95.07	21.85	245
1941	110.31	16.04	284
1951	135.49	22.82	349
1961	169.04	24.76	435
1971	213.47	26.29	549
1981	254.54	19.24	655

Source: Census of India 1981.

TABLE 1.6

Distribution of Rural and Urban Population of Kerala 1901-1981

Year	Rural Population (in lakhs)	Urban Population (in lakhs)	Percentage of Urban population to total population
1901	59.42	4.54	7.11
1911	66.23	5.25	7.34
1921	71.21	6.81	8.73
1931	85.91	9.16	9.64
1941	95.36	11.96	10.84
1951	117.23	18.26	13.48
1961	143.50	25.54	15.11
1971	178.81	35.66	16.24
1981	206.82	47.71	18.74

Source: Census of India 1981.

TABLE 1.7

Percentage of Urban Population by Districts 1901 to 1981

District	1901	1911	1921	1931	1941	1951	1961	1971	1981
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Trivandrum	11.9	11.2	14.8	15.1	17.0	19.5	25.7	26.0	25.3
Quilon	3.0	3.1	3.6	3.8	4.3	4.6	7.4	7.9	13.2
Alleppey	4.7	5.1	8.8	9.9	10.3	13.8	17.2	16.9	15.9
Kottayam	6.7	5.8	8.8	8.8	8.7	11.9	9.6	13.6	9.4
Idukki	..	..	..	..	..	..	..	3.3	4.6
Ernakulam	11.1	11.4	11.6	14.6	15.2	17.5	21.3	29.4	39.6
Trichur	4.8	5.6	5.9	8.6	9.3	10.3	11.0	11.7	21.1
Palghat	7.1	7.4	7.5	7.4	8.8	10.9	10.9	12.7	10.1
Malappuram	..	..	..	..	..	..	5.5	6.7	7.4
Kozhikode	7.8	7.9	7.9	8.0	11.2	13.0	23.9	30.8	27.2
Wynad	..	..	..	..	..	..	..	..	..
Cannanore	7.1	7.9	7.2	7.4	7.3	9.1	16.9	14.5	23.4
State	7.1	7.3	8.7	9.6	10.8	13.5	15.1	16.2	18.7

Source: Census of India 1981.

TABLE 1.8

Population in Corporations and Municipalities 1901 to 1981 (in '000)

Corporations/Municipalities	1901	1911	1921	1931	1941	1951	1961	1971	1981
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Cochin (C)	61.24	64.73	68.49	99.10	126.46	166.07	277.72	439.07	513.25
2. Trivandrum (C)	57.88	63.56	72.78	96.02	128.37	186.93	239.82	409.63	483.09
3. Calicut (C)	76.98	78.42	82.33	99.27	126.35	158.72	220.94	333.98	394.45
4. Alleppey	24.92	25.67	32.07	43.84	56.33	116.28	138.83	160.17	169.94
5. Quilon	15.69	18.84	25.14	33.74	49.50	66.13	91.02	124.21	137.94
6. Palghat	44.18	44.32	45.49	49.06	55.16	69.50	77.62	95.79	111.25
7. Trichur	15.59	23.57	27.00	45.66	57.52	69.52	73.04	76.24	77.92
8. Tellicherry	27.88	29.26	27.58	30.35	36.32	40.04	44.76	68.76	75.56
9. Kottayam	17.55	15.14	18.83	25.24	33.36	44.20	52.69	59.71	64.43
10. Badagara	11.32	11.15	9.80	11.26	17.92	20.96	43.91	53.94	64.17
11. Kayamkulam	5.75	5.83	9.17	10.84	10.92	13.18	44.57	54.10	61.33
12. Cannanore	27.81	28.96	27.71	34.24	35.85	42.43	46.10	55.16	60.90
13. Changanacherry	14.26	17.24	18.96	24.20	28.38	36.29	42.38	48.55	51.96
14. Kasargode	..	8.30	7.31	9.17	11.57	22.71	27.64	34.98	43.14
15. Punalur	..	..	..	..	..	..	..	38.18	43.04
16. Chalakudy	..	..	..	5.89	7.43	10.85	16.86	37.56	41.89

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
17.	Tirur	..	..	..	..	..	..	32.27	40.80
18.	Sherthalai	..	..	4.78	5.94	6.77	7.12	31.16	36.75
19.	Malappuram	..	..	..	..	..	..	..	..
20.	Chittur-Thathamangalam	14.32	14.71	18.15	18.92	21.11	23.75	26.46	28.51
21.	Attingal	..	..	11.05	10.61	16.24	18.67	22.05	27.05
22.	Thiruvalla	..	7.97	12.01	14.49	18.00	20.71	24.24	26.68
23.	Neyvattinkara	..	..	8.03	9.26	13.38	16.38	20.27	23.98
24.	Mavelikara	..	..	12.21	14.19	16.02	17.27	18.97	25.65
25.	Parur	12-96	13.78	11.95	15.18	16.18	18.24	20.85	24.39
26.	Irinjalakuda	8.42	8.70	9.46	11.05	17.33	19.80	22.34	25.41
27.	Muvattupuzha	..	..	4.52	5.63	9.08	10.16	22.90	22.14
28.	Alwar	..	3.87	6.77	7.62	9.74	16.35	20.86	24.07
29.	Perumbavoor	..	..	..	5.86	7.76	8.02	16.15	20.89
30.	Palai	..	..	2.20	2.63	3.04	13.42	15.46	20.27
31.	Vaikom	..	..	11.26	13.31	15.25	15.65	17.42	20.01
32.	Kunnamkulam	7.19	8.34	8.52	13.82	12.21	15.36	16.27	18.37
33.	Guruvayoor Township	..	..	..	..	..	..	..	13.86
34.	Thrippunithura	..	..	..	..	..	..	..	..
35.	Manjeri	..	..	..	..	..	..	..	..
36.	Nedumangad	..	..	..	..	..	..	..	..
37.	Ponnani	..	..	..	..	..	..	..	..
38.	Thodupuzha	..	..	..	..	..	..	..	..
39.	Shornur	..	..	..	..	..	..	..	..
40.	Varkala	..	..	..	..	..	..	..	..
41.	Kothamangalam	..	..	..	..	..	..	..	..
42.	Pathanamthitta	..	..	..	..	..	..	..	..
43.	Kodungallur	..	..	..	..	..	..	..	..
44.	Angamally	..	..	..	..	..	..	..	..
45.	Chengannur	..	..	..	..	..	..	..	..

Note: The names of corporations & Municipalities are arranged according to the magnitude of population as per 1971 census except the last twelve which are new municipalities.

Source: Census of India 1981.

TABLE 1.9

Population, growth rate, density and sex ratio of Corporations/Municipalities in 1971 and 1981

Town (with no change in jurisdiction since 1971)	Area in Sq. Km.	Population		Growth rate	Density of population (Person per Sq. Km.)		Sex ratio of (females/1000 males)	
		1971	1981	1971-1981	1971	1981	1971	1981
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Calicut (C)	82.67	333,979	394,447	+18.11	4040	4771	988	1006
2. Palghat (M)	26.60	95,788	111,245	+16.14	3601	4182	1005	1015
3. Cochin (C)	94.88	439,066	513,249	+16.90	4628	5409	951	987
4. Alleppey (M)	46.77	160,166	169,940	+6.10	3425	3634	994	1023
5. Quilon (M)	18.48	124,208	137,943	+11.06	6721	7464	986	1012

	(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
6.	Trivandrum	(C)	74.93	409,627	4,83,086	+17.93	5467	6447	988	1005
7.	Camnanore	(M)	11.03	55,162	60,904	+10.41	5001	5522	977	1034
8.	Tellicherry	(M)	15.35	68,759	75,561	+9.89	4479	4923	1038	1049
9.	Badagara	(M)	21.34	53,938	64,174	+18.98	2528	3007	1005	1017
10.	Trichur	(M)	12.65	76,241	77,913	+2.19	6027	6160	1042	1076
11.	Kottayam	(M)	15.55	59,714	64,431	+7.90	3840	4143	986	996
12.	Changanacherry	(M)	13.50	48,545	51,955	+7.02	3596	3849	1005	1028
13.	Kayamkulam	(M)	21.79	54,102	61,327	+13.35	2483	2814	1027	1036
14.	Kasaragod	(M)	16.68	34,984	43,137	+23.30	2097	2586	988	1011
15.	Malappuram	(M)	33.60	32,002	39,786	+24.32	952	1184	1014	1004
16.	Tirur	(M)	16.59	32,272	40,803	+26.43	1945	2459	1016	1040
17.	Ponnani	(M)	9.32	35,723	43,226	+21.00	3833	4638	1050	1061
18.	Chittur-Thathamangalam	(M)	14.71	28,510	30,407	+6.65	1938	2067	1033	1042
19.	Chavakkad	(M)	12.41	29,443	34,344	+16.65	2373	2767	1158	1167
20.	Iringalakkuda	(M)	11.24	25,405	26,096	+2.72	2260	2322	1063	1088
21.	Chalakydy	(M)	25.23	37,562	41,894	+11.53	1489	1660	1006	1026
22.	Alwaye	(M)	7.18	24,067	25,278	+5.03	3352	3521	931	1022
23.	Parur	(M)	9.03	24,393	26,288	+7.75	2701	2910	1040	1033
24.	Perumbavoor	(M)	13.59	20,888	23,064	+10.42	1537	1697	942	963
25.	Muvattupuzha	(M)	13.18	22,137	25,313	+14.35	1680	1921	943	980
26.	Palai	(M)	15.93	20,273	21,624	+6.61	1273	1357	970	1016
27.	Vaikom	(M)	8.73	20,014	21,097	+5.41	2293	2417	1031	1032
28.	Sherthalai	(M)	16.19	36,752	40,492	+10.18	2270	2501	1023	1011
29.	Thiruvalla	(M)	14.47	26,683	29,225	+9.53	1844	2020	1067	1094
30.	Mavelikara	(M)	12.65	25,648	26,598	+3.70	2028	2103	1066	1084
31.	Attingal	(M)	14.18	27,052	29,645	+9.59	1908	2091	1038	1093
32.	Neyyattinkara	(M)	9.70	23,983	27,993	+16.72	2472	2886	1005	1002
33.	Kunnamkulam	(M)	6.96	18,367	19,440	+5.84	2639	2793	1130	1105
34.	Manjeri	(M)	53.06	N.A.	53,959	N.A.	N.A.	1017	N.A.	1004
35.	Shoranur	(M)	32.28	N.A.	35,120	N.A.	N.A.	1088	N.A.	1054
36.	Kodungallur	(M)	17.30	N.A.	28,334	N.A.	N.A.	1638	N.A.	1094
37.	Angamali	(M)	24.05	N.A.	28,307	N.A.	N.A.	1177	N.A.	1020
38.	Kothamangalam	(M)	37.45	N.A.	33,122	N.A.	N.A.	884	N.A.	992
39.	Tripunithura	(M)	18.69	N.A.	43,646	N.A.	N.A.	2335	N.A.	1016
40.	Thodupuzha	(M)	35.43	N.A.	35,743	N.A.	N.A.	1009	N.A.	992
41.	Chengannur	(M)	13.00	N.A.	24,862	N.A.	N.A.	1912	N.A.	1085
42.	Pathanamthitta	(M)	23.50	N.A.	32,967	N.A.	N.A.	1403	N.A.	1019
43.	Punalur	(M)	34.60	N.A.	43,039	N.A.	N.A.	1244	N.A.	1011
44.	Varkala	(M)	15.42	N.A.	34,009	N.A.	N.A.	2206	N.A.	1120
45.	Nedumangad	(M)	32.52	N.A.	43,989	N.A.	N.A.	1353	N.A.	1041

C—Corporation

M—Municipal Town

Source: Census

India 1981.

TABLE 1.10

Classification of Towns in Kerala based on Population 1901-1981

Size of town	1901	1911	1921	1931	1941	1951	1961	1971	1981
1 Lakh and above	..	..	..	..	2	3	4	5	6
50000—99999	2	2	2	2	4	5	5	7	8
20000—49999	6	8	9	11	7	12	31	40	64
10000—19999	9	7	9	15	20	29	32	25	21
5000—9999	3	6	14	17	20	27	16	9	6
Less than 5000	..	2	10	8	9	18	1	2	1
Total	20	25	44	53	62	94	89	88	106

Source: Census of India 1981. (Paper 3 of 1981)

TABLE 1.11

Scheduled Caste and Scheduled Tribe in Kerala by districts 1971 and 1981

Districts	1971 Census				1981 Census			
	Scheduled caste	% of S.C. to total population	Scheduled tribe	% of S.T. to total population	Scheduled caste	% of S.C. to total population	Scheduled Tribe	% of S.T. to total population
Trivandrum	213741	9.72	11059	0.50	284279	10.95	14145	0.55
Quilon	280632	11.63	3737	0.15	347567	12.35	7442	0.26
Alleppey	200770	9.44	435	0.02	235423	10.02	3273	0.14
Kottayam	94528	6.14	11059	0.72	119377	7.03	15227	0.90
Idukki	97819	12.78	23181	3.03	133177	13.71	38712	3.98
Ernakulam	182775	8.45	580	0.03	216443	8.54	3551	0.14
Trichur	216237	10.16	9383	0.44	302085	12.38	3227	0.13
Palghat	210765	12.51	25594	1.52	376424	18.41	28794	1.41
Malappuram	140826	7.59	8382	0.48	208018	8.66	7955	0.33
Kozhikode	76338	3.62	84982	4.03	161715	7.20	3888	0.17
Wynad*	..	..	..	..	21130	3.81	95557	17.25
Cannanore	57737	2.44	90464	3.82	143744	5.13	39704	1.42
State	1772168	8.30	269356	1.26	2549382	10.02	261475	1.03

Note: Wynad district was not formed in the 1971 census period and the details are not separately worked out.

Source: Census of India 1981.

TABLE 1.12

Land use pattern in Kerala (area in '000 hectares)

Sl. No.	Mode of utilisation	1971-72	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81
1	Area according to Census Dept.	3886.40	3886.40	3886.40	3886.40	3886.40	3886.40	3886.40
2	Area according to Village papers	3858.52	3885.50	3885.50	3885.50	3885.50	3885.50	3885.50
3	Forests	1054.86	1081.51	1081.51	1081.51	1081.51	1081.51	1081.51
4	Land put to non agriculture uses	276.59	259.23	260.39	257.28	260.44	263.50	269.82
5	Barren & Uncultivable land	68.66	78.49	78.84	75.38	74.61	78.19	85.77
6	Permanent pastures & grazing lands	27.80	19.92	17.09	10.62	6.25	5.63	5.43
7	Land under miscellaneous tree crops	121.31	84.25	72.67	67.96	66.37	65.50	63.88
8	Cultivable waste	77.62	113.42	115.73	118.26	123.34	125.02	129.03
9	Fallow other than current fallow	21.27	22.95	22.26	27.12	26.60	27.68	26.89
10	Current fallows	23.38	36.56	37.41	46.11	42.25	43.38	43.58
11	Net area sown	2187.03	2189.17	2200.60	2201.27	2204.13	2195.09	2179.59
12	Total cropped area	2958.36	2981.28	2933.45	2923.80	2885.71	2854.06	2884.84
13	Area sown more than area	771.33	792.11	732.85	722.53	681.58	658.97	705.25

Source: Directorate of Economics & Statistics.

TABLE 1.13

Distribution of land according to use (in per cent)

Classification	1971-72	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81
1 Total area according to Village papers	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2 Forests	27.35	27.85	27.85	27.85	27.85	27.85	27.85
3 Land put to non agriculture uses	7.15	6.67	6.69	6.62	6.69	6.78	6.94
4 Barrers and uncultivable land	1.79	2.01	2.03	1.93	1.93	2.01	2.21
5 Permanent pastures and grazing land	0.73	0.51	0.41	0.28	0.15	0.14	0.14
6 Land under miscellaneous tree crops	3.14	2.16	1.38	1.75	1.70	1.69	1.64
7 Cultivable waste	2.02	2.91	2.96	3.04	3.17	3.22	3.32
8 Current fallow	0.59	0.95	0.95	0.69	0.70	0.71	0.69
9 Other fallows	0.54	0.59	0.57	1.18	1.08	1.12	1.12
10 Net area sown	56.69	56.35	56.66	56.66	56.73	56.48	56.09

Source: Directorate of Economics and Statistics.

TABLE 1.14

Per capita Income difference—India and Kerala (Rs.)

Year	At current prices			1970-71 prices		
	India	Kerala	Income difference	India	Kerala	Income difference
1975-76	1021	923	98	662	581	81
1976-77	1086	980	106	658	564	94
1977-78	1210	1019	191	701	566	135
1978-79	1267	1095	172	727	571	156
1979-80	1333	1218	115	663	589	74
1980-81	1571	1312	259	700	590	110

Source: Directorate of Economics and Statistics.

TABLE 1.15

Percentage distribution of Net Domestic Product—India and Kerala

Sector	India		Kerala	
	1970-71	1980-81	1970-71	1980-81
<i>At current prices</i>				
Primary Sector	50.10	39.95	51.77	44.22
Secondary Sector	19.70	23.00	17.09	22.16
Tertiary Sector	30.20	37.06	31.14	33.62
<i>At 1970-71 Prices</i>				
Primary Sector	50.10	42.54	51.77	41.85
Secondary Sector	19.70	21.11	17.09	20.55
Tertiary Sector	30.20	36.35	31.14	37.60

Source: Directorate of Economics and Statistics.

SECTION II
WORKING POPULATION

SECTION II
WORKING POPULATION

TABLE 2.1
Working population of Kerala by Industrial Category of Sex 1971 & 1981

Industrial Category	1971			1981 (Provisional)		
	Persons	Males	Females	Persons	Males	Females
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Total workers	6216459 (100.00)	4764582 (100.00)	1451877 (100.00)	6742967 (100.0)	5091428 (100.00)	1651539 (100.00)
Cultivators	1106663 (17.80)	1039331 (21.81)	67332 (4.64)	888955 (13.18)	805207 (15.81)	83748 (5.07)
Agricultural labourers	1908114 (30.69)	1195755 (25.10)	712359 (49.06)	1900904 (28.19)	1190318 (23.38)	710586 (43.03)
Household Industry Workers	265892 (4.28)	147625 (3.10)	118267 (8.15)	275911 (4.09)	141340 (2.78)	134571 (8.15)
Other workers	2935790 (47.23)	2381871 (49.99)	553919 (38.15)	3677197 (54.54)	2954563 (58.03)	722634 (43.75)

Source: Census of India 1981.

TABLE 2.2
Distribution of working force by Industrial Category and Sex-Rural 1971 & 1981

Industrial Category	1971			1981 (Provisional)		
	Persons	Males	Females	Persons	Males	Females
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Total workers	5281004 (100.00)	4009495 (100.00)	1271509 (100.00)	5559872 (100.00)	4142574 (100.00)	1417298 (100.00)
Cultivators	1068823 (20.24)	1004486 (25.05)	64337 (5.06)	859064 (15.45)	778831 (18.80)	80233 (5.66)
Agricultural Labourers	1814824 (34.37)	1134946 (28.31)	679878 (53.47)	1802560 (32.42)	1125299 (27.16)	677261 (47.79)
Household Industry workers	231691 (4.39)	126551 (3.16)	105140 (8.27)	236621 (4.26)	115554 (2.79)	121067 (8.54)
Other workers	2165666 (41.00)	1743512 (43.48)	422154 (33.20)	2661627 (47.87)	2122890 (51.25)	538737 (38.01)

Source: Census of India 1981.

TABLE 2.3
Distribution of working force by Industrial Category and Sex—Urban 1971 and 1981

Industrial Category	1971			1981 (Provisional)		
	Persons	Males	Females	Persons	Males	Females
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Total workers	935455 (100.00)	755087 (100.00)	180368 (100.00)	1183095 (100.00)	948854 (100.00)	234241 (100.00)
Cultivators	37840 (4.05)	34845 (4.61)	2995 (1.66)	29891 (2.53)	263276 (2.78)	3515 (1.50)
Agricultural labourers	93290 (9.97)	60809 (8.05)	32481 (18.01)	98344 (8.31)	65019 (6.85)	33325 (14.23)
Household Industry workers	34201 (3.66)	21074 (2.79)	13127 (7.28)	39290 (3.32)	25786 (2.72)	13504 (5.77)
Other workers	770124 (82.32)	638359 (84.55)	131765 (73.05)	1015570 (85.84)	831673 (87.65)	183897 (78.50)

Source: Census of India 1981.

TABLE 2.4
Distribution of workers in Kerala by Districts 1971 & 1981 Rural and Urban

District	1971			1981 (Provisional)		
	Total	Rural	Urban	Total	Rural	Urban
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Trivandrum	628293	470801	157492	695912	524681	171231
Quilon	690283	637496	52787	684859	600203	84656
Alleppey	598468	504619	93849	607383	520510	86873
Kottayam	420659	363861	56798	459524	417454	42070
Idukki	265090	257562	7528	335550	3226444	12906
Ernakulam	621117	446075	175042	707189	446370	260819
Trichur	603551	538506	65045	645334	509612	135722
Palghat	604830	541060	63770	664318	605504	58814
Malappuram	502639	470775	31864	521493	484879	36614
Kozhikode	460895	322239	138656	491966	354552	137414
Wynad	152474	152474	..	185894	185894	..
Cannanore	668160	575536	92624	743545	587569	155976
State	6216459	5281004	935455	6742967	5559872	1183095

Source: Census of India 1981.

TABLE 2.5
Variation of Working Population in 1981 over 1971 in each district—Rural and Urban

Sl. No.	District	Absolute Variation			Percentage Variation		
		Total	Rural	Urban	Total	Rural	Urban
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Trivandrum	67619	53880	13739	10.76	11.44	8.72
2	Quilon	-5424	-37293	31869	-5.85	-5.85	60.37
3	Alleppey	8915	15891	-6976	1.49	3.15	-7.43
4	Kottayam	38865	53593	-14728	9.24	14.73	-25.93
5	Idukki	70460	65082	5378	26.58	25.27	71.44
6	Ernakulam	86072	295	85777	13.86	0.07	49.00
7	Trichur	41783	-28894	70677	6.92	-5.37	108.66
8	Palghat	59488	64444	-4956	9.84	11.91	-7.77
9	Malappuram	18854	14104	4750	3.75	3.00	14.91
10	Kozhikode	31071	32313	-1242	6.74	10.03	-0.90
11	Wynad	33420	33420	..	21.92	21.92	..
12	Cannanore	75385	12033	63352	11.28	2.09	68.40
	State	526508	278868	247640	8.47	5.28	26.47

Source: Census of India-1981.

TABLE 2.6

Work Participation rates in each District in 1961, 1971 & 1981

District (1)	Participation rate Percentages		
	1961 (2)	1971 (3)	1981 (4)
Trivandrum	31.00	28.58	26.86
Quilon	32.40	28.61	24.40
Alleppey	33.80	28.15	25.92
Kottayam	29.10	27.33	27.33
Idukki	39.10	34.62	34.55
Ernakulam	33.60	28.71	27.92
Trichur	33.10	28.35	26.48
Palghat	40.20	35.89	32.53
Malappuram	32.20	27.08	21.72
Kozhikode	30.10	25.30	21.93
Wynad	..	36.84	33.59
Cannanore	35.40	29.88	26.55
State	33.30	29.12	26.54

Note: Work participation rate: $\frac{\text{number of workers} \times 100}{\text{Total population}}$

Total population

Source: Census figures.

TABLE 2.7

Percentage distribution of workers in Kerala by Industrial Category & Sex to total Population 1901-1981.

Year	Sex	Total Population	Total workers	Cultivators	Agricultural labourers	Mining Quarrying live stock poultry etc.	Household Industry	Manufacturing the H.H.I.	Construction	Trade & commerce	Transport storage & communication.	Other workers.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1901	Persons	100.0	44.5	16.3	7.8	3.7	..	7.6	0.3	4.5	1.0	3.3
	Male	100.0	56.3	19.9	10.2	6.7	..	7.1	0.6	5.4	1.9	4.5
	Female	100.0	35.7	12.7	5.3	0.8	..	8.2	0.1	3.5	0.1	2.0
1911	Persons	100.0	41.3	11.5	10.2	3.9	..	7.3	0.5	3.9	0.8	3.2
	Male	100.0	53.8	18.4	9.8	6.8	..	6.8	0.9	5.0	1.6	4.5
	Female	100.0	28.9	4.5	10.7	1.0	..	7.8	0.1	2.8	0.1	1.9
1921	Persons	100.0	37.9	10.8	8.7	3.6	..	6.6	0.3	3.8	0.8	3.3
	Male	100.0	51.1	16.9	8.9	6.3	..	7.0	0.5	5.2	1.5	4.8
	Female	100.0	24.9	4.7	8.4	1.0	..	6.3	0.1	2.5	0.2	1.7
1931	Persons	100.0	42.9	8.9	7.1	4.1	..	6.2	0.6	3.3	0.7	12.0
	Male	100.0	50.0	15.2	8.1	6.6	..	6.5	1.0	5.5	1.5	5.6
	Female	100.0	35.9	2.7	6.2	1.7	..	5.8	0.1	1.1	N	18.3
1941					Not available							
1951	Persons	100.0	32.3	7.5	8.2	2.4	..	6.1	0.5	2.1	1.0	4.5
	Male	100.0	46.7	12.9	10.6	3.5	..	7.3	0.9	3.9	1.9	6.6
	Female	100.0	18.3	3.1	5.9	1.4	..	4.9	0.1	0.4	0.1	2.4
1961	Persons	100.0	33.3	7.0	5.8	2.8	2.9	3.2	0.4	1.9	0.9	8.4
	Male	100.00	47.2	10.8	6.2	4.8	2.2	4.7	0.8	3.6	1.7	12.4
	Female	100.0	19.7	3.2	5.4	1.0	3.5	1.6	N	0.3	0.1	4.6
1971	Persons	100.0	29.1	5.2	8.9	2.2	1.2	3.3	0.5	2.6	1.2	4.0
	Male	100.0	45.0	9.8	11.3	3.6	1.4	5.0	1.0	5.1	2.2	5.6
	Female	100.0	13.5	0.6	6.6	0.7	1.1	1.7	N	0.3	0.2	2.3
**1981	Persons	100.0	26.5	3.5	7.5	..	1.1	..	..	..	..	14.55*
	Male	100.0	40.8	6.5	9.6	..	1.1	..	..	..	..	23.7*
	Female	100.0	12.8	0.7	5.5	..	1.0	..	..	..	..	5.6*

N Negligible

**relates to all workers in non agricultural sector other than HHI

*Provisional

TABLE 2.8

Work Participation Rates in Different States
1971 & 1981

<i>States</i>	1971	1981*
Andra Pradesh	41.39	42.18
Assam	28.35	NA
Bihar	31.03	29.66
Gujarat	31.45	32.40
Haryana	26.44	27.92
Himachal Pradesh	36.94	33.89
Jammu & Kashmir	29.76	NA
Karnataka	34.74	36.82
Kerala	29.12	26.54
Madhya Pradesh	36.72	38.49
Maharashtra	36.48	38.71
Manipur	34.57	41.68
Meghalaya	44.17	44.20
Nagaland	50.78	45.79
Orissa	31.22	32.82
Punjab	28.88	29.03
Rajasthan	31.24	30.35
Tamil Nadu	35.78	39.15
Tripura	27.79	29.61
Uttar Pradesh	30.94	29.13
West Bengal	27.91	28.47
Sikkim	NA	46.42
India	32.92	33.44

Source: Census figures

*Provisional

SECTION III

SECTORAL EMPLOYMENT

SECTION III

SECTORAL EMPLOYMENT

TABLE 3.1

Percentage of Agricultural Labourers in Kerala to the total Population 1901-1981

Year	Persons		Male		Female	
	(1)	(2)	(3)	(4)	(5)	(6)
1901		7.8		10.2		5.3
1911		10.2		9.8		10.7
1921		8.7		8.9		8.4
1931		7.1		8.1		6.2
1941	
1951		8.2		10.6		5.9
1961		5.8		6.2		5.4
1971		8.9		11.3		6.6
1981*		7.5		9.6		5.5

Source: Census of India 1981

* Provisional

TABLE 3.2

District wise distribution of Working Factories and Employment in Kerala (Provisional) for the year ending

Industry District	Trivandrum		Quilon		Alleppey		Kottayam		Idukki		Ernakulam		
	Code	A	B	A	B	A	B	A	B	A	B	A	B
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Code Oil	14	101	26	179	49	418	9	422	7	36	42	344	
Tea	5	127	4	140	..	..	6	89	72	3651	1	66	
Cashew	16	9166	229	107200	5	6637	..	..	..	..	2	346	
Cotton Textile	15	1531	10	1782	4	574	3	579	..	..	20	2177	
Coir	3	50	6	207	190	2653	2	28	..	..	22	418	
Veneers Plywood & Splints	15	265	52	1471	25	687	27	1035	5	89	42	984	
Saw Mills	27	164	93	543	42	173	67	362	4	22	231	1433	
Printing & Publishing	46	1664	38	322	28	199	77	902	8	46	109	1876	
Rubber & Rubber Products	37	918	52	696	28	393	245	2868	16	206	113	2554	
Chemical & Chemical Products	14	1140	11	310	28	840	19	765	1	15	57	7662	
Matches	13	144	22	351	12	146	2	39	..	..	12	234	
Soap	1	5	3	45	3	25	1	3	..	..	11	1179	
Tiles	3	101	48	1959	3	119	17	145	..	..	37	659	
General Engineering	22	1146	20	1420	18	547	15	94	..	..	125	6040	
Automobiles	29	1451	22	2277	22	890	42	880	3	31	97	1309	
Others	111	2527	247	4598	147	2823	137	1619	43	545	646	15646	
Total	371	20500	883	123507	604	17124	669	9450	159	4641	1567	42927	

Source: Directorate of Economics and Statistics.

TABLE 3.2—(Contd.)

**Districtwise Distribution of Working Factories and Employment in Kerala (Provisional)
for the year ending**

Industry District	Trichur		Palghat		Malappuram		Kozhikode		Cannanore		Total	
	Code	A	B	A	B	A	B	A	B	A	B	A	B
(1)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
Code Oil	85	530	10	66	12	72	43	288	25	151	322	2227
Tea	1	84	3	145	2	30	12	659	6	183	112	5174
Cashew	5	2575	..	..	..	..	2	719	3	1094	262	127737
Cotton Textile	10	4020	16	1742	3	563	63	2735	632	11330	776	27040
Coir	8	45	..	..	10	109	42	664	10	95	293	4269
Veneers Plywood & Splints	36	720	89	1623	26	332	100	1303	58	2534	475	11043
Saw Mills	132	754	124	584	110	590	130	1358	111	1145	1071	7128
Printing & Publishing	69	831	40	542	15	74	74	1156	53	357	557	7969
Rubber & Rubber Products	63	1513	34	264	32	243	73	493	70	380	763	10528
Chemical & Chemical Products	19	381	18	335	6	683	25	467	12	112	210	12710
Matches	29	286	15	250	5	45	22	286	7	89	139	1870
Soap	3	64	..	..	1	5	12	496	4	81	39	1903
Tiles	143	4244	13	524	7	446	33	3328	10	802	314	12327
General Engineering	33	643	52	1311	6	144	39	872	28	550	358	12767
Automobiles	45	590	40	307	25	155	101	1102	100	705	526	9697
Others	320	5242	453	4296	80	568	404	8221	294	3114	2882	49199
Total	1001	22522	907	11989	340	4059	1175	24147	1423	22722	9099	303588

Source: Directorate of Economics and statistics

TABLE 3.3

**Industry-wise distribution of Registered Working Factories and Workers in Kerala 1971—
1971-1981 as on 31st December**

Industry	1971		1972		1973		1974		1975		1976	
	A	B	A	B	A	B	A	B	A	B	A	B
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1 Oil	234	1508	269	1638	312	1893	336	2126	319	2102	326	2043
2 Tea	117	4983	117	5155	119	5193	117	5080	111	4868	109	5018
3 Cashew	266	99050	269	113222	264	118309	265	119999	267	122465	272	135264
4 Beedi	..	..	..	..	..	..	32	999	32	932	32	932
5 Cotton Textiles	172	14710	181	15460	268	17006	375	18706	415	19761	632	21755
6 Coir	130	3553	167	3741	232	4452	260	4313	25	4198	271	4403
7 Mills	318	4232	388	4485	551	5240	617	6031	655	5500	689	5346
8 Plywood, Splints & Veneers	169	6879	183	7509	222	8232	244	8583	271	9013	293	9223
9 Printing	226	5027	264	5538	372	6093	449	6939	456	7148	474	6541
10 Rubber	79	3239	89	3068	179	3997	227	4404	216	4310	466	6586
11 Chemical & Chemical Products	67	7402	76	6795	89	6583	107	8029	118	8370	128	8311
12 Matches	33	554	42	652	54	922	66	1164	82	1223	101	1385
13 Soaps	9	1178	13	1152	38	1320	43	1552	40	1437	42	1536
14 General Engineering	108	2792	110	2508	171	2747	198	2996	221	3152	229	2927
15 Tiles	229	12353	233	12400	260	12623	280	12689	285	12519	286	11994
16 Automobile Repairing	153	4709	192	5211	298	5946	365	6963	367	6969	393	7179
17 Others	712	34490	916	37629	1617	42810	2055	48387	211	50227	2178	50758
State	3024	206839	3499	226163	5046	243366	5036	258960	6317	264194	6921	281201

Note: A—Number of Factories.
B—Average daily employment.

TABLE 3.3—(Concl.)

**Industry-wise distribution of Registered Working Factories and Workers in Kerala
1971-81 as on 31st December**

Industry (1)	1977		1978		1979		1980		1981	
	A	B	A	B	A	B	A	B	A	B
	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
1 Oil	336	2079	329	2069	337	2282	350	2386	322	2227
2 Tea	109	4885	107	5004	113	5346	115	5504	112	5174
3 Cashew	270	134350	243	122020	263	131937	260	127550	262	127737
4 Beedi	..	..	..	..	..	..	..	..	..	..
5 Cotton Textiles	752	21974	118	2049	763	24604	789	26096	776	27040
6 Coir	306	4698	290	4618	296	4825	306	4669	293	4269
7 Mills	779	5755	858	6252	920	6322	1024	6971	1071	7128
8 Plywood, Splints & Veneers	347	9950	345	9668	404	10746	444	11201	475	11043
9 Printing	516	7112	508	6226	553	8120	561	7876	557	7969
10 Rubber	629	8829	412	3695	704	1002	642	8831	763	10528
11 Chemical & Chemical Products	134	9623	122	9843	173	10976	202	11703	210	12710
12 Matches	114	1547	110	1457	134	1859	144	1958	139	1870
13 Soaps	45	1742	43	1862	40	1893	43	1961	39	1903
14 General Engineering	254	2873	346	6197	1170	22604	1268	23233	358	12767
15 Tiles	288	11287	290	11029	294	11751	309	12031	314	12327
16 Automobile Repairing	438	7130	449	6277	508	8496	545	11208	526	9697
17 Others	2314	81752	3214	74222	1819	33738	2104	37337	2882	49199
State	7625	285586	7784	272397	8491	295502	9106	300515	9099	303588

Note.—A—Number of Factories
B—Average daily Employment

TABLE 3.4

District-wise distribution of Registered Working Factories and Workers in Kerala 1971 to 1981

Districts (1)	1971		1972		1973		1974		1975		1976	
	A	B	A	B	A	B	A	B	A	B	A	B
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Trivandrum	155	13044	176	14543	206	16034	240	16855	252	18490	274	19423
Quilon	447	91993	467	104251	579	110000	638	114041	659	115393	724	126664
Alleppey	261	11852	319	12630	391	13670	466	13719	462	13999	513	14811
Kottayam	290	8873	230	5271	512	6779	540	7783	507	7587	538	7538
Idukki	..	..	114	4370	119	4362	124	4598	122	4273	128	4450
Ernakulam	433	26182	528	26290	790	28816	966	32890	1012	32792	1081	34860
Trichur	532	16524	553	18027	740	18506	832	19483	826	19963	812	18611
Palghat	269	7197	303	7591	482	8781	545	9208	631	10095	630	10445
Malappuram	..	..	63	1793	83	1153	102	1877	112	1516	131	1937
Kozhikode	313	18311	428	18414	706	19630	872	21026	966	22180	1041	22426
Cannanore	272	12503	318	12983	538	15635	711	17480	767	17906	1049	20036
State	3024	206839	3499	226163	5046	243366	6036	258960	6317	264194	6921	281201

Source: Directorate of Economics & Statistics.

Note.—A—Number of Factories
B—Average daily Employment

TABLE 3.4—(Concl.)

District-wise Distribution of Registered Working Factories and Workers in Kerala 1971 to 1981

Districts	1971		1977		1978		1979		1980		1981	
	A	B	A	B	A	B	A	B	A	B	A	B
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Trivandrum	388	202	295	19896	303	17191	324	18802	361	19769	371	20500
Quilon	402	211	800	126072	787	115615	837	126313	901	124624	883	123507
Alleppey	500	280	561	16100	580	15325	560	16794	625	17808	604	17124
Kottayam	610	107	619	7929	639	8316	697	8726	669	9450		
Idukki	123	265	114	4328	123	4635	125	4734	159	4641		
Ernakulam	1059	35122	1249	37689	1436	39512	1564	40820	1567	42927		
Trichur	834	19807	876	19396	970	21653	1001	21853	1001	22522		
Palghat	746	10639	816	10904	908	11682	942	11909	907	11989		
Malappuram	149	2261	169	2454	184	2925	240	3575	340	4059		
Kozhikode	1184	23159	1172	22588	1189	22934	1235	23887	1175	24147		
Cannanore	1208	20168	1099	18978	1311	21856	1415	22810	1423	22722		
State	7625	285596	7784	272397	8491	295502	9106	300515	9099	303585		

Note: A—Number of Factories.

B—Average daily employment.

TABLE 3.5

Percentage of Women Employment in Registered Factories from 1971 to 1981

Year	Total No. of Registered Factories	No. of Factories submitted returns	Total Employment in the Factories in col. 3	Women Employment in the Factories in col. 3	Percentage of women employment
(1)	(2)	(3)	(4)	(5)	(6)
1971 (Total)	3024	1815	114269	44040	38.5
Public Sector	124	70	17662	1888	10.7
Private Sector	2900	1745	96607	42152	43.6
1972 (Total)	3499	1962	139669	70776	50.7
Public Sector	142	79	27627	13523	48.9
Private Sector	3357	1883	112042	57253	51.1
1973 (Total)	5046	2131	131849	69429	52.7
Public Sector	156	87	34137	21744	63.7
Private Sector	4890	2044	97712	47685	48.8
1974 (Total)	6036	1774	135702	70521	52.0
Public Sector	173	93	40124	24623	61.4
Private Sector	5863	1681	195578	45898	48.0
1975 (Total)	6317	2678	177172	95324	53.8
Public Sector	188	130	51224	30315	59.2
Private Sector	6723	3663	175976	103977	51.6
1976 (Total)	6921	3816	226357	133217	58.9
Public Sector	198	153	50381	29240	58.0
Private Sector	6723	3663	175976	103977	59.1

(1)	(2)	(3)	(4)	(5)	(6)
1977 (Total)	7625	3925	195765	107301	54.8
Public Sector	199	133	52694	299930	56.8
Private Sector	7426	3792	143071	77371	54.1
1978 (Total)	7784	3926	176673	89442	50.6
Public Sector	201	131	47442	25595	54.0
Private Sector	7583	3795	129231	63847	49.4
1979 (Total)	8491	4589	195092	99178	50.8
Public Sector	218	160	52341	28184	58.8
Private Sector	8273	4429	142751	70994	49.7
1980 (Total)	9467	4286	180590	86058	47.7
Public Sector	239	163	53893	29111	54.0
Private Sector	9228	4123	126697	56947	45.0
1981 (Total)	9099	4263	179513	84359	47.0
Public Sector	240	177	50892	28294	55.6
Private Sector	8859	4086	128621	56065	43.6

Source: Directorate of Economics & Statistics.

TABLE 3.6

Employment in establishment both public and private sectors (concerned under EMS) in Kerala by Industry Division as on 31st March 1976 to 1983

Industry Division	1976		1977		1978		1979		1980		1981	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
0 Agricultural Forestry etc.	91337	10.1	97468	10.4	98631	10.3	104021	10.6	105183	10.6	103145	10.2
1. Mining & Quarrying	767	0.1	1249	0.1	1248	0.1	1312	0.1	1302	0.1	1340	1.1
2&3 Manufacturing	296771	32.8	307092	32.7	307946	32.2	315619	32.0	314418	31.7	323359	31.7
4. Construction	26338	2.9	24258	2.6	24431	2.6	25057	2.5	24736	2.5	25170	2.5
5. Electricity & Gas, Water & Sanitary Service	16243	1.8	17076	1.8	17168	1.8	17785	1.8	16806	1.7	16349	1.7
6. Trade and commerce	15967	1.8	15664	1.7	15281	1.6	15662	1.6	16233	1.6	16376	1.6
7. Transport & Communication	64855	7.2	66565	7.1	68300	7.2	69491	7.1	71951	7.2	74452	7.4
8. Service	360140	39.9	376030	40.0	385817	40.4	392846	39.9	443233	44.6	457137	44.8
Total	903684	100.00	938982	100.00	955039	100.00	984929	100.00	993862	100.00	617328	100.00

TABLE 3.7

Employment in establishments in Public Sector in Kerala by Industry Division 1976-1981

Industry Division	1976		1977		1978		1979		1980		1981	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
0. Agriculture, Livestock, Forestry, Fishing etc.	13430	3.1	14904	3.3	15511	3.3	16869	3.5	17157	3.5	17915	3.6
1. Mining and Quarrying	516	0.1	959	0.2	955	0.2	1034	0.2	1057	0.3	1047	0.3
2 & 3. Manufacturing	61741	14.5	65638	14.7	66805	14.5	70087	14.7	72066	14.9	73255	14.7
4. Construction	22447	5.3	21757	4.9	21927	4.8	22206	4.7	22751	4.6	22604	4.5
5. Electricity, Gas, Water & Sanitary Service	15982	3.7	16776	3.7	16873	3.7	17502	3.7	16666	3.4	16318	3.2
6. Trade & Commerce	2501	0.6	2577	0.6	2642	0.6	2952	0.6	3161	0.7	3610	0.8
7. Transport, Storage & Communications	60084	14.1	61997	13.9	64351	14.0	65600	13.8	68098	14.0	69911	14.0
8. Service	228985	53.7	240355	53.7	276018	53.5	250312	52.6	283983	58.6	294637	58.9
Total	426691	100.00	447416	100.00	459778	100.00	475966	100.00	484939	100.00	499297	100.00

TABLE 3.8

Employment in both Public and Private Sector in Kerala by District (As on 31st March) 1976-1981

District	1976	1977	1978	1979	1980	1981
Trivandrum	111264	113535	116133	119478	121781	126635
Quilon	162452	166798	169647	171808	167325	17617
Alleppey	58449	61094	60568	63342	64043	64516
Kottayam	44957	45836	46838	47791	48734	19629
Idukki	63457	63491	66047	70424	70924	69103
Ernakulam	109941	117391	119795	123620	127903	130845
Trichur	79718	80311	82198	83387	83744	87210
Palghat	662939	63510	64950	65285	65656	67173
Malappuram	34345	36340	37857	39164	39828	43225
Kozhikode	91292	95134	94648	105288	108216	109632
Cannanore	84870	95542	96338	95342	95708	97743
Kerala	903684	938982	955039	984929	993862	1017328

TABLE 3.9

Employment in the Public Sector (Total) by District as on 31st March 1976-1981

District	1976	1977	1978	1979	1980	1981
Trivandrum	83189	84830	86768	89747	91559	95982
Quilon	60105	63877	64752	66107	66420	67214
Alleppey	33493	35955	36747	37318	37658	37807
Kottayam	19821	20698	21629	22748	23448	23834
Idukki	10014	10151	10454	10721	11213	11993
Ernakulam	64244	69452	71054	74134	76471	78877
Trichur	32276	33139	33864	35885	36528	37644
Palghat	40692	40590	41624	41394	40676	41741
Malappuram	19036	20516	21438	22233	22742	24207
Kozhikode	33458	34969	36370	39909	40935	42497
Cannanore	30363	33239	35078	35770	37289	37501
Kerala	426691	447416	459778	475966	484939	499297

TABLE 3.10

Employment in Private Sector by District as on 31st March 1976-1981

District	1976	1977	1978	1979	1980	1981
Trivandrum	28075	28705	29365	29731	30222	30653
Quilon	102347	102921	104895	105701	100905	104403
Alleppey	24956	25139	23821	26024	26385	26709
Kottayam	25136	25138	25209	25043	25786	25795
Idukki	53443	53344	55593	59703	59211	57110
Ernakulam	45697	47939	48741	49486	51432	51968
Trichur	47442	47172	48334	47502	47216	49566
Palghat	22246	22920	23326	23891	24980	25432
Malappuram	15309	15824	16419	16931	17086	19018
Kozhikode	56834	60161	58278	65379	67281	67135
Cannanore	54507	62303	61280	59572	58419	60242
Kerala	476993	491566	495261	508963	508923	518031

TABLE 3.11

Employment in the Public Sector in Kerala by different Branches (Central Government) District-wise as on 31st March

District	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Trivandrum	6025	5620	7639	7794	7847	13600	12699	12887	13269	13834	13651
Quilon	720	776	829	962	981	1031	1045	1091	1100	1148	1197
Alleppey	1672	1649	1662	1694	1699	977	1665	1798	1860	1916	1771
Kottayam	1994	2143	2276	1590	1684	2170	1880	1911	2017	2391	2133
Idukki	..	..	..	573	746	171	806	838	873	929	991
Ernakulam	9784	10369	10468	10387	10679	11403	11600	11965	12134	12668	13549
Trichur	3312	3403	3586	2750	2861	3595	3593	3661	3781	3920	4040
Palghat	18753	18540	18730	18790	18966	19331	18490	19117	19174	18318	18647
Malappuram	..	..	1168	1174	1239	1270	1332	1383	1392	1502	1604
Kozhikode	4485	3850	3912	3992	4171	4426	4721	4744	4386	4623	5063
Cannanore	2140	2115	2003	2022	2108	3020	3169	3303	3299	3543	3840
Kerala	4885	48465	52268	51728	52989	61594	61000	62698	63285	64792	66486

Source: Directorate of Employment, Trivandrum
37/1200/MC.

TABLE 3.12

Employment in the Public Sector in Kerala by Different Branches (State Government) District-wise as on 31st March 1971-81

<i>District</i>	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Trivandrum	38442	40123	40437	40411	41396	44605	45287	45693	46100	45855	48817
Quilon	18761	19166	19428	19799	20324	20867	21598	21699	22078	22357	22938
Alleppey	17191	17288	17660	17648	18312	19105	19965	20020	20078	20030	20103
Kottayam	13695	13881	11685	12276	11938	11994	12408	12624	13017	13124	13165
Idukki	..	..	2787	4428	4950	5793	5983	6323	6582	6806	7413
Ernakulam	20714	20672	20024	20284	20493	20901	21634	21688	21887	22577	22698
Trichur	12524	15601	15844	16409	15985	18343	18580	18756	19361	19910	20462
Palghat	13248	14226	14383	14778	15302	17486	17792	17954	17380	17318	1775
Malappuram	11285	1189	12333	12832	14334	15384	16363	16960	16869	17212	18014
Kozhikode	17137	19542	19101	19731	19997	21327	21957	22564	24197	24781	25184
Cannanore	14864	15643	16411	17274	17034	19318	20518	21642	20864	21657	21701
Kerala	181693	188031	190093	195870	200065	215123	222085	225923	228411	231628	238270

Source: Directorate of Employment, Trivandrum.

TABLE 3.13

Employment in the Public Sector in Kerala by Different Branches—(Local Bodies) District-wise as on 31st March

<i>District</i>	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Trivandrum	6163	7228	7759	8263	8344	4432	4473	4635	4912	4784	5380
Quilon	1450	1512	1597	1661	1689	1725	1949	2248	2345	2406	2498
Alleppey	1190	1225	1267	1314	1331	1393	1440	1548	1573	1575	1503
Kottayam	1219	1247	817	973	997	1001	1021	1132	1120	1159	1248
Idukki	..	..	501	533	536	561	576	613	647	695	720
Ernakulam	2158	2182	2069	2157	2147	2253	2447	2527	2622	2671	2766
Trichur	1248	1279	1296	1384	1401	1485	1523	1591	1645	1615	1710
Palghat	1010	1928	1031	1096	1431	1127	1162	1199	1228	1217	1255
Malappuram	432	440	495	568	600	603	738	686	748	761	798
Kozhikode	1765	2172	2256	2352	2388	2336	2346	2438	2679	2741	2868
Cannanore	1232	1228	1293	1362	1355	1290	1424	1405	1405	1480	1449
Kerala	17867	19538	20381	21663	22219	18206	18999	20022	20924	21104	22195

Source: Directorate of Employment, Trivandrum.

TABLE 3.14

Employment in the Public Sector in Kerala by Different Branches (Quasi Government) District-wise as on 31st March

<i>District</i>	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Trivandrum	12654	14755	15913	16544	17724	20552	22371	23553	25460	27086	28193
Quilon	11318	15766	20988	23357	23825	36482	39285	39714	40584	40509	40581
Alleppey	3813	7353	7927	8482	8803	12018	12885	13381	13807	14137	14430
Kottayam	4293	4812	3758	4058	4052	4656	5389	5962	6594	6774	7288
Idukki	..	..	1984	3300	3169	2889	2786	2680	2625	2783	2869
Ernakulam	23016	24735	23605	23975	23971	29687	33771	34874	37491	38555	39864
Trichur	4111	4570	4847	6469	6724	8853	9443	9856	11098	11083	11432
Palghat	1553	1632	1583	1794	1913	2748	3146	3354	3612	3823	4064
Malappuram	872	972	1230	1377	1379	1779	2183	2409	3226	3266	3791
Kozhikode	3683	3435	3954	4276	4595	5369	5945	6624	8647	8790	9382
Cannanore	1574	3044	3762	4006	4262	6735	8128	8728	10202	10609	10511
Kerala	6687	81074	89551	97638	100417	131768	145332	151135	163346	177415	172346

TABLE 3.15

Employment in Public Sector in Kerala by Different Branches

<i>Year</i>	<i>Central Government</i>	<i>State Government</i>	<i>Government</i>	<i>Local Bodies</i>	<i>Total</i>
1970-71	48885	181693	66887	17867	315332
1971-72	48465	188031	81074	19538	337108
1972-73	52268	190093	89551	20381	352293
1973-74	51728	195870	97638	21663	366899
1974-75	52989	200065	100417	22219	375690
1975-76	61594	215123	131768	18206	426691
1976-77	61000	222085	145332	18999	447416
1977-78	62698	225923	151135	20022	459778
1978-79	63285	228411	163346	20924	475966
1979-80	64792	231628	167415	21104	484939
1980-81	66486	238270	172346	22195	499297
1981-82	74413	243294	181222	23181	522115

TABLE 3.16

Employment in the Public and Private Sectors in Kerala 1971-1981

<i>Year</i>	<i>Public Sector</i>	<i>Private Sector</i>	<i>Total</i>
1971	333247	415105	748352
1972	350070	427375	777445
1973	365445	413230	778675
1974	375943	414477	790420
1975	418151	462712	880863
1975-76	426691	476993	903684
1976	438183	483610	921793
1976-77	447416	491566	938982
1977-78	459778	495261	955039
1978-79	475966	508963	984929
1979-80	484939	508923	993862
1980-81	499297	518031	1017328

Source: Directorate of Employment, Trivandrum.

Expenditures for the Public Health Service in the District of Columbia for the Fiscal Year 1917

Item	1916	1917
Salaries	1,200,000	1,300,000
Travel	50,000	60,000
Printing	20,000	25,000
Supplies	100,000	110,000
Repairs	30,000	35,000
Interest	10,000	10,000
Contingents	10,000	10,000
Unexpended balance	100,000	100,000
Total	1,520,000	1,730,000

Expenditures for Public Health Service in the District of Columbia for the Fiscal Year 1917

Item	1916	1917
Salaries	1,200,000	1,300,000
Travel	50,000	60,000
Printing	20,000	25,000
Supplies	100,000	110,000
Repairs	30,000	35,000
Interest	10,000	10,000
Contingents	10,000	10,000
Unexpended balance	100,000	100,000
Total	1,520,000	1,730,000

Expenditures for Public Health Service in the District of Columbia for the Fiscal Year 1917

Item	1916	1917
Salaries	1,200,000	1,300,000
Travel	50,000	60,000
Printing	20,000	25,000
Supplies	100,000	110,000
Repairs	30,000	35,000
Interest	10,000	10,000
Contingents	10,000	10,000
Unexpended balance	100,000	100,000
Total	1,520,000	1,730,000

SECTION IV
UNEMPLOYMENT AND UNDER EMPLOYMENT

SECTION IV

UNEMPLOYMENT AND UNDER EMPLOYMENT

TABLE 4.1

Number of applicants on Live Register of Employment Exchange in Kerala 1971 to 1981

Year	Number of exchanges of the end of the period	Average monthly No. of employees using the exchange	No. of vacancies notified during the period	No. of Registrations during the period	No. of Placements effected during the period	No. of applicants on the Live Registers at the end of the period
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1971	10	563	21805	203208	16537	367381
1971-72*	11	492	23530	222148	17450	375901
1972-73*	12	356	19566	225854	11408	466130
1973-74*	13	513	24400	253159	16016	548783
1974-75*	13	545	29963	283274	23878	691242
1976	13	567	27023	262484	22210	753579
1977	14	501	26240	240596	16282	849378
1978	14	497	23970	300761	13323	1152652
1979	18	711	44679	356501	19265	1249372
1980	18	767	14182	115465	25707	1295648
1980-81*	25	860	33855	484186	21641	1651358
1981-82*	28	954	31449	366919	19176	1895755

Source: Directorate of Employment

*Year ending 31st March

TABLE 4.2

Occupational distribution of applicants on Live Register of Employment Exchange in Kerala 1971-1981

(in thousands)

Year	Professional technical & related workers	Administrative & Executive & Managerial workers	Clerical related workers	Sales workers	Farmers Fishermen and related workers	Miners & Quarmen and related workers	Workers in transport communication occupation	Craftsman production process workers labours NEC	Service sports recreation workers	Workers not elsewhere classified occupation	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1971	31.5	1.4	31.7	0.1	1.7	Neg.	9.7	31.6	25.1	234.6	367.4
1971-72	25.1	1.1	31.2	0.1	2.1	do.	11.8	22.9	2.0	279.6	375.9
1972-73	33.3	1.7	34.9	0.1	2.1	do.	14.7	23.7	2.9	352.7	466.1
1973-74	34.2	1.9	35.8	0.2	2.0	do.	15.1	22.1	9.0	428.5	548.8
1975	50.5	1.5	54.8	0.2	4.8	do.	70.0	..	30.4	479.0	691.2
1976	47.7	1.3	64.5	0.6	11.2	do.	100.8	..	3.3	525.2	753.6
1977	48.8	1.1	74.1	0.6	7.5	do.	94.6	..	2.6	620.1	849.4
1978	54.2	1.7	92.2	0.7	9.1	do.	128.1	..	3.2	763.5	1052.7
1979	..	..	..	NA.	..	..	..	..	..	..	..
1980	NA.	..	..	NA.	..	..	..	..	..	..	..
1981	NA.	..	..	NA.	..	..	..	..	..	..	..
1982	NA.	..	..	NA.	..	..	..	..	..	..	..

Source: Directorate of Employment

Ng. Negligible

TABLE 4.3

Number of Work Seekers in each District of Kerala—1971 to 1981 (as on 31st December)

District	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980 31-3-1980	1981 31-3-1981
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Trivandrum	92112	102253	119318	120503	139215	161495	179793	220461	248332	257213	314953
Quilon	40134	45896	55269	60714	73464	78007	79754	112828	142713	147100	201718
Alleppey	26396	31141	39707	42659	55611	49163	57416	79595	99815	106178	147572
Kottayam	28632	33285	10690	11305	58213	66363	82536	100335	119688	122737	158208
Idukki	..	6825	44288	50541	14617	19679	24476	24817	24644	23507	33250
Ernakulam	65443	87889	94981	105684	120948	122279	126826	151987	178522	187086	206993
Trichur	24829	34943	40148	50464	55336	58601	69937	85415	103882	96758	145521
Palghat	16384	18129	21223	28346	35076	40333	51138	58228	71492	74380	100325
Malappuram	14611	19242	17574	22215	27204	30837	37187	43289	54366	56563	65482
Kozhikode	31829	38108	44963	52248	64469	72989	78690	100957	116201	121502	161072
Cannanore	27011	36203	35721	43256	47089	53833	61625	74740	89717	91991	116264
State	367381	453914	523882	587935	691242	753579	849378	1052652	1249372	1285615	1651358

Source: Directorate of Employment.

TABLE 4.4

Distribution of Work Seekers in Kerala By Educational Levels—1971 to 1982

Year	Total Work Seekers	Below SSLC	Percentage to total work seekers	S.S.L.C.	Pre-Degree	Graduate	Post-Graduate	SSLC & above	Percentage to Total work seekers
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1971	367381	166305	45.27	167814	10168	20841	2223	201076	54.73
1972	453914	194848	42.93	218880	16457	20396	3333	259066	57.07
1973	523882	239921	45.80	226783	18965	34327	4156	283961	54.20
1974	587935	274620	46.80	252423	20075	36947	3870	313315	53.20
1975	691242	331628	47.98	281989	28329	44456	4840	359614	52.02
1976	753579	344461	45.71	315552	38176	49749	5641	409118	54.20
1977	849378	391954	46.13	351211	46830	53037	6346	457424	53.85
1978	1052652	494935	47.02	434192	56641	57816	9068	557717	52.98
1979	1249372	575366	46.20	530742	70342	64365	8567	674016	54.00
1980	1579164	765141	48.45	658652	79310	67841	8270	814023	51.55
1981	1903719	979830	51.47	748898	90254	77694	7043	923889	48.53
1982	2063148	1040960	50.45	832233	101209	82127	6619	1022188	49.55

Source: Directorate of Employment.

TABLE 4.5
Number of Professional and Technical Work Seekers 1971-1982

Year	Medical graduates	Engineering graduates	Diploma holders in Engineering	ITI Certificate holders	Agricultural graduates	Veterinary graduates
1971	405	2068	3450	9894	128	116
1972	654	2014	4163	11540	101	52
1973	902	2135	3836	10003	80	40
1974	726	1450	3611	16888	Nil	Nil
1975	809	1850	3990	20113	32	117
1976	696	1752	4009	20747	29	75
1977	490	1784	3585	21376	78	32
1978	668	1755	4305	23821	58	55
1979	691	1395	5507	26345	59	63
1980	871	1505	6833	29973	101	17
1981	651	1217	7866	33569	103	14
1982	796	1417	7546	33403	102	15

Source: Directorate of Employment.

TABLE 4.6

District-wise Particulars of Employment

District	Total Households	Employed			Total	Employment seekers	Labour source
		Permanently Employed		Others			
		Salary/wage earners	self employed				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Trivandrum	444573	197183	134587	321798	653568	204977	858545
Quilon	479513	185461	195738	293705	674904	240129	915033
Alleppey	405020	135751	166869	335682	638302	149242	787544
Kottayam	274179	106374	98730	167163	372267	101642	473909
Idukki	167739	125492	99012	104001	328505	35915	364420
Ernakulam	401457	204629	140213	261767	606609	165383	771992
Trichur	393439	175333	151082	270205	596620	113686	710306
Palghat	340139	174047	171497	311919	657463	98540	756003
Malappuram	340291	127433	122862	258401	508696	62580	571276
Kozhikode	389933	144122	160509	279142	583773	128775	712548
Cannanore	429580	234439	184920	350191	769550	100608	870158
State	4065863	1810264	1626019	2953974	6390257	1401477	7791734

Source: Housing & Employment Survey—1980.

TABLE 4.7

Proportion of Employment Seekers and Literacy level of the Districts of Kerala 1980

District	Employment seekers as percentage of labour force	Literacy (%) according to 1981 census
(1)	(2)	(3)
Trivandrum	23.9	69.20
Quilon	26.2	72.83
Alleppey	18.9	77.59
Kottayam	21.5	81.35
Idukki	9.9	65.97
Ernakulam	21.4	75.71
Trichur	16.1	72.32
Palghat	13.1	59.01
Malappuram	11.0	55.88
Kozhikode	18.0	68.73
Cannanore	11.5	64.68
State	19.28	69.17

Source: Housing and Employment Survey—1980.

TABLE 4.8

Employment Categories as percentage to total employed—Kerala 1980

District	Total Employed	Permanently employed			Not Permanently employed				
		Total Permanently employed	Salary/wage earners	Self employed	Total not permanently employed	200 days and above	120 to below 200 days	60 & below 120 days	Below 60 days
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Trivandrum	100	50.76	30.17	20.59	49.24	14.49	17.42	10.97	6.36
Quilon	100	56.77	27.62	29.15	43.23	8.27	12.08	11.27	11.61
Alleppey	100	47.41	21.27	26.14	52.59	10.92	15.29	14.48	11.90
Kottayam	100	55.09	28.57	26.52	44.90	11.27	16.00	10.62	7.01
Idukki	100	68.34	38.20	30.14	31.66	9.65	11.68	7.22	3.11
Ernakulam	100	56.84	33.73	23.11	43.15	13.24	15.08	8.98	5.85
Trichur	100	54.71	29.39	25.32	45.29	15.47	15.52	8.89	5.40
Palghat	100	52.55	26.47	26.08	47.44	12.91	18.20	11.31	5.03
Malappuram	100	49.20	25.05	24.15	50.80	18.31	18.14	9.42	4.92
Kozhikode	100	52.19	24.69	27.50	47.82	16.89	15.99	9.40	5.53
Cannanore	100	54.49	30.46	24.03	45.51	17.11	16.39	8.17	3.85
State	100	53.80	28.34	25.46	46.20	13.69	15.75	10.19	6.57

Source: Housing and Employment Survey—1980.

TABLE 4.9

Employment Categories as percentage to labour force—Kerala 1980 (District-wise)

District	Labour force	Total employed	Permanently employed			Not permanently employed				
			Total permanently employed	Salary/wage earners	Self employed	Total not permanently employed	200 days and above	120 to below 200 days	60 to below 120 days	Below 60 days
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Trivandrum	100	76.12	38.63	22.96	15.67	37.48	11.03	13.26	8.35	4.84
Quilon	100	73.76	41.66	20.27	21.39	32.10	6.29	9.02	8.27	8.56
Alleppey	100	81.05	38.43	17.24	71.19	42.62	8.85	12.39	11.74	9.64
Kottayam	100	78.55	43.28	22.45	20.83	35.27	8.85	12.57	8.34	5.51
Idukki	100	90.14	61.61	34.44	27.17	28.54	8.70	10.53	6.51	2.80
Ernakulam	100	78.58	44.67	26.51	18.16	33.91	10.41	11.85	7.05	4.60
Trichur	100	83.99	45.95	24.68	21.27	38.04	13.00	13.03	7.47	4.54
Palghat	100	86.97	45.70	23.02	22.68	41.26	11.22	15.82	9.83	4.38
Malappuram	100	89.05	43.82	22.31	21.51	45.23	16.30	16.15	8.39	4.89
Kozhikode	100	81.93	42.76	20.23	22.53	39.18	13.84	13.10	7.70	4.58
Cannanore	100	88.44	48.19	26.94	21.25	40.24	15.13	14.49	7.22	3.41
State	100	82.09	44.10	23.23	20.87	37.91	11.25	12.93	8.25	5.38

Source: Housing and Employment Survey—1980.

TABLE 4.10

Out migrants For Employment (District-wise)

District	Places of Destination												
	Within India							Outside India					
	Total out migrates	Tamil Nadu	Maharashtra	West Bengal	Delhi	Other States in India	Total	Gulf countries	Africa	America	Europe	Others	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Trivandrum	34567	1360	2066	414	1082	144777	11798	21125	196	144	393	911	22769
Quilon	64271	3445	7574	1386	4224	26003	42632	18758	620	1135	314	812	21639
Alleppey	81252	4312	11004	1979	5657	36936	59888	17029	995	1972	483	885	21364
Kottayam	23323	1371	2931	559	2008	9360	16229	4160	808	1474	477	375	7094
Idukki	2286	250	269	42	225	923	1709	287	45	131	59	55	577
Ernakulam	16354	1407	2590	424	1080	5325	11226	3822	332	481	271	222	5128
Trichur	92269	10481	25561	1276	2949	14778	52045	37818	364	331	267	1444	40224
Palghat	42749	13622	6636	1051	1911	11794	35014	7034	146	125	93	337	7735
Malappuram	54315	5467	3324	291	644	7814	18140	34845	189	69	92	980	36175
Kozhikode	34041	4783	2284	294	827	8122	16310	17099	108	98	58	368	17731
Cannanore	64188	4830	12793	933	1417	16846	36819	24568	335	208	184	2074	27369
State	509615	51328	75032	8649	22024	144777	301810	186545	3938	6168	2691	8463	207805

Source: Housing and Employment Survey—1980.

TABLE 4.11

Out migrants for Employment according to Educational Status (District-wise)

Sl.No.	District	Educational Status						Total
		Below Secondary		Secondary				
		skilled	unskilled	Possessing certificates Diploma in Technical subjects	Not possessing certificate Diploma in Technical subjects	Possessing Degree in general professional subjects	Possessing degree in Technical subjects	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1.	Trivandrum	10084	14039	4624	3899	1319	602	34567
2.	Quilon	11006	13310	15114	18769	4627	1445	64271
3.	Alleppey	11443	14779	18837	26359	7530	2304	81252
4.	Kottayam	1840	2270	5305	8531	4357	1040	23323
5.	Idukki	228	241	662	652	352	131	2286
6.	Ernakulam	2583	2687	3675	4545	2108	756	16354
7.	Trichur	22464	37340	1136	15373	4289	1667	92269
8.	Palghat	7415	16385	5789	9232	3012	916	42749
9.	Malappuram	7894	38250	2748	4213	919	291	54315
10.	Kozhikode	4124	21885	2065	4661	936	370	34041
11.	Cannanore	10887	34243	5686	9697	2651	1024	64188
	State	89968	195429	75641	105931	32100	10546	509615

Source: Housing and Employment Survey—1980.

SECTION V

EDUCATED MANPOWER—GENERAL EDUCATION
(SCHOOL EDUCATION)

TABLE 5.1

Percentage of Literates in Kerala—District wise

District	1901	1911	1921	1931	1951	1961	1971	1981
Trivandrum	13.21	16.70	27.07	26.05	49.90	53.43	62.54	69.20
Quilon	10.62	13.51	25.34	26.08	53.38	59.74	64.97	72.83
Alleppey	17.36	19.99	33.04	35.73	61.94	66.07	70.44	77.59
Kottayam	19.03	21.80	33.20	36.29	62.66	66.64	72.88	81.35
Idukki	..	..	..	..	..	..	56.42	65.97
Ernakulam	14.21	15.56	24.06	29.98	54.12	59.53	65.37	75.71
Trichur	13.76	17.74	21.32	32.85	48.24	57.15	61.61	72.32
Palghat	9.54	12.03	13.74	15.19	30.18	39.89	46.69	55.88
Malappuram	..	..	..	..	..	..	47.90	59.01
Kozhikode	11.25	12.53	14.20	16.09	33.65	47.83	58.77	68.73
Wynad	..	..	..	..	..	..	47.33	57.33
Cannanore	11.12	14.09	15.58	19.47	40.15	48.45	55.27	64.68
State	12.85	15.45	21.95	25.58	47.37	55.08	60.42	69.17

Source: Census of India 1981.

Note: 1. 1901 to 1961—Population in the age group (0-4) is excluded for calculating literacy rate.

2. 1971 to 1981—Population in age group (0-4) is included for calculating literacy rate.

3. 1941 census figures are not available.

4. The details in respect of the newly formed districts of Idukki, Malappuram & Wynad are not separately worked out.

TABLE 5.2

Percentage of Literates in Different States of India

States	1961	Percentages 1971	1981
1. Andhra Pradesh	21.2	24.56	29.7
2. Assam	27.4	29.81	NA
3. Bihar	18.4	19.79	26.0
4. Gujarat	30.5	35.72	43.8
5. Haryana	NA	29.69	35.8
6. Himachal Pradesh	NA	31.32	41.9
7. Jammu & Kashmir	11.0	18.30	26.2
8. Karnataka	26.4	31.54	38.4
9. Kerala	48.8	60.42	69.2
10. Madhya Pradesh	17.1	22.12	27.8
11. Maharashtra	29.8	39.08	47.0
12. Manipur	NA	NA	41.5
13. Meghalaya	NA	NA	33.4
14. Nagaland	NA	27.33	42.0
15. Orissa	21.7	26.12	34.1
16. Punjab	24.2	33.39	40.7
17. Rajasthan	15.2	18.79	24.1
18. Tamil Nadu	31.4	39.39	45.8
19. Tripura	NA	NA	41.8
20. Uttar Pradesh	17.6	21.64	27.4
21. West Bengal	29.3	33.05	40.9
22. Sikkim	NA	NA	33.9
India	24.2	29.32	36.0

Source: Census of India—1981.

TABLE 5.3

Distribution of Schools in Kerala by Type and Revenue District as on 1-1-1981 and 15-12-1982 i.e., 1980-81 and 1981-82

Revenue District	High School			U.P. School			L.P. School											
	All Types		Total	Government		Private	Government		Private	Total								
	1980-81	1981-82	1980-81	1981-82	1980-81	1981-82	1980-81	1981-82	1980-81	1981-82								
Trivandrum	909	911	94	109	94	105	97	94	105	202	199	327	316	192	192	519	508	
Quilon	1210	1207	89	101	149	149	238	250	78	204	203	282	279	393	381	297	690	678
Alleppey	1065	1065	60	67	159	159	219	226	89	123	123	212	211	280	274	354	634	628
Kottayam	882	891	52	57	149	149	201	206	59	137	147	196	211	190	180	294	485	474
Idukki	396	401	37	51	53	53	90	104	37	58	56	95	93	85	78	126	211	204
Ernakulam	919	925	74	77	160	160	234	237	82	112	114	194	197	206	206	285	491	491
Trichur	973	974	67	72	131	131	198	203	48	178	177	226	230	136	127	413	549	541
Palghat	883	887	49	54	63	63	112	117	56	161	161	217	215	198	199	356	554	555
Malappuram	1269	1271	72	76	60	59	132	135	97	208	209	305	312	354	343	478	832	824
Kozhikode	1189	1185	54	62	75	75	129	137	73	235	235	308	302	199	194	553	752	746
Wynad	225	231	28	30	11	11	39	41	28	37	37	65	65	65	69	56	121	125
Cannanore	1670	1717	113	132	83	83	196	215	123	328	330	451	465	279	293	744	1023	1037
Total	11590	11665	789	888	1187	1187	1976	2075	867	1886	1896	2753	2779	2712	2660	4149	6861	6811

Source: Directorate of Public Instructions.

TABLE 5.4

Primary and Secondary Educational Institutions in Kerala 1971-72 to 1981-82

Year	All types	High schools			U. P. Schools			L. P. Schools,		
		Government	Private	Total	Government	Private	Total	Government	Private	Total
1971-72	10830	446	947	1393	811	1740	2551	2823	4063	6886
1972-73	10834	449	951	1400	810	1737	2547	2804	4083	6887
1973-74	10975	452	952	1404	809	1739	2548	2926	4097	7023
1974-75	11077	559	953	1512	868	1732	2600	2893	4072	6965
1975-76	11102	566	955	1521	880	1726	2606	2910	4065	6975
1976-77	11376	590	1076	1666	883	1835	2718	2883	4109	6992
1977-78	11362	594	1081	1675	888	1830	2718	2849	4120	6969
1978-79	11389	597	1083	1680	893	1846	2739	2846	6124	6970
1979-80	11561	619	1182	1801	885	1871	2756	2854	4150	7004
1980-81	11590	789	1187	1976	867	1886	2753	2712	4149	6861
*1981-82	11665	888	1187	2075	883	1896	2779	2660	4151	6811

*Provisional.

TABLE 5.5

Enrolment in the different stages of school Education 1971-72 to 1981-82

Year	Number of students in primary stage	Index of growth	Number of students in secondary stage	Index of growth	Total students	Index of growth
1971-72	4191024	100.00	744646	100.00	4935670	100.00
1972-73	4375389	104.40	780886	104.87	5156275	104.47
1973-74	4404716	105.10	865861	116.28	5270577	106.79
1974-75	4423247	105.54	936042	125.70	5359289	108.58
1975-76	4377461	104.45	907896	121.92	5285357	107.08
1976-77	4350016	103.79	1003665	134.78	5353681	108.47
1977-78	4405592	105.12	1088166	146.13	5493758	111.31
1978-79	4340729	103.57	1197403	160.80	5538132	112.21
1979-80	4316272	102.99	1265007	169.88	5581279	113.08
1980-81	4289189	102.34	1313764	176.43	5602953	113.52
*1981-82	4333302	103.39	1317496	176.93	5650798	114.49

*Provisional.

TABLE 5.6

Standard-wise strength of students (sex-wise) as on 6th working day 1981-1982

Standard	Government Schools			Private aided schools			Private unaided schools			Total		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
I	141947	132762	274709	185849	177697	363546	3908	3716	7624	331704	314175	645879
II	143735	134678	278413	187441	178975	366416	3937	3790	7727	335113	317443	652556
III	141843	133036	274879	185387	176885	362272	3792	3527	7319	331022	313448	644470
IV	144863	134552	279415	182458	174482	356940	3515	3313	6828	330836	312347	643183
L.P.S. Total	572388	535028	1107416	741135	708039	1449174	13152	14346	29498	1328675	1257413	2586088
V	119842	109040	228882	198487	186818	385305	3717	2921	6638	322046	298779	620825
VI	105972	95722	201694	189515	177282	366797	3375	2842	6217	298862	275846	574708
VII	98351	87967	186318	186157	173646	359803	3100	2460	5560	287608	264073	551681
U.P.S. Total	324165	292729	616894	574159	537746	1111905	10192	8223	18415	908516	838698	1747214
VIII	103568	94177	197745	149958	138771	288729	3147	3196	6343	256673	236144	492817
IX	92973	84610	177583	139761	135241	275002	2724	2836	5560	235458	222687	458145
X	70706	66890	137596	111685	112975	224660	2038	2240	4278	184429	182105	366534
H.S. Total	267247	245677	512924	401404	386987	788391	7909	8272	16181	676560	640936	1317496
Grand Total	1163800	1073434	2237234	1716698	1632772	3349470	33253	30841	64094	2913751	2737047	5650798

Provisional figures

TABLE 5.7

Distribution of students according to school Management
1972-73 to 1981-82

Year	Total		High school		Primary school	
	Government	Private	Government	Private	Government	Private
1972-73	2084368	3071907	267904	512982	1816464	2558925
1973-74	2109531	3161046	301590	564271	1807941	2596775
1974-75	2136486	3222803	331603	604439	1804883	2618364
1975-76	2111339	3174018	335225	572671	1776114	2601347
1976-77	2129516	3224165	367777	635888	1761739	2588277
1977-78	2162496	3331262	398023	690143	1764473	2641119
1978-79	2215719	3322413	446418	750985	1769301	2571428
1979-80	2204176	3377103	478858	786149	1725318	2590954
1980-81	2203426	3399527	497865	815899	1705561	2583628
1981-82	2237234	3413564	512924	804572	1724310	2608992

Provisional figure.

TABLE 5.8

**Percentage distribution of students according to school Management
1972-73 to 1980-81**

Year	Total		High school		Primary school	
	Government	Private	Government	Private	Government	Private
1972-73	40.42	59.58	34.31	65.69	41.52	58.48
1973-74	40.02	59.98	34.83	65.17	41.05	58.95
1974-75	39.87	60.13	35.43	64.57	40.80	59.20
1975-76	39.95	60.05	36.92	63.08	40.57	59.43
1976-77	39.78	60.22	36.64	63.36	40.50	59.50
1977-78	39.36	60.64	36.58	63.42	40.05	59.95
1978-79	40.01	59.99	37.28	62.72	40.76	59.24
1979-80	39.49	60.51	37.85	62.15	39.97	60.03
1980-81	39.33	60.67	37.90	62.10	39.76	60.24
1981-82	39.59	60.41	38.93	61.07	39.79	60.21

Source: Directorate of Public Instructions.

TABLE 5.9

Enrolment of students as percentage to total population 1971-72 to 1980-81

Year	Population in lakhs	Enrolment	Enrolment as percentage to total population
1971-72	217.36	4935670	22.71
1972-73	222.35	5156275	23.19
1973-74	227.39	5270577	23.18
1974-75	232.45	5359289	23.06
1975-76	237.37	5285357	22.27
1976-77	241.66	5353681	22.15
1977-78	245.84	5493758	22.35
1978-79	249.90	5538132	22.16
1979-80	253.84	5581279	21.99
1980-81	254.03	5602953	22.06
*1981-82	..	5650798	..

*Provisional figures

TABLE 5.10

**Number of students that passed S.S.L.C. Examination
in Kerala 1971-72 to 1980-81 and 1981-82**

Year	Boys	Girls	Total
1971-72	48186	36720	84906
1972-73	47994	38490	86484
1973-74	40210	32884	73094
1974-75	65482	55779	121259
1975-76	54222	51206	105428
1976-77	51719	51845	103564
1977-78	83983	56768	140751
1978-79	84020	79724	163744
1979-80	89026	86595	175621
1980-81	82259	85250	167509
1981-82	91727	96098	187825

TABLE 5.11

Outturn of T.T.C. Holders 1971-72 to 1980-81

Year	Boys	Girls	Total
1971-72	1099	1309	2408
1972-73	1027	1547	2574
1973-74	649	942	1591
1974-75	NA	NA	1305
1975-76	NA	NA	113
1976-77	NA	NA	132
1977-78	..	..	..
1978-79	193	210	403
1979-80	979	1043	2022
1980-81	3325	3212	6537

Admission discontinued since 1973-74

TABLE 5.12

Number of Teachers according to Management as on 15th July 1981

(PVL. FIG)

Schools	Government			Private			Private unaided			Total		
	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
<i>High Schools</i>												
H.S. Section	9243	9076	18319	13482	15259	28741	360	508	868	23085	24843	47928
U.P. Section	5271	5163	10434	5171	8443	13614	121	281	402	10563	13887	24450
L.P. Section	1126	1546	2672	364	758	1122	28	207	235	1518	2511	4029
Total High schools	15640	15785	31425	19017	24460	43477	509	996	1505	35166	41241	76407
<i>U.P. Schools</i>												
U.P. Section	5251	4512	9763	11434	12419	23853	20	140	160	16705	17071	33776
L.P. Section	2749	3494	6243	3633	5679	9312	16	86	102	6398	9259	15657
Total U.P. Schools	8000	8006	16006	15067	18098	33165	36	226	262	23103	26330	49433
L.P. Schools	9979	10348	20327	13245	17654	30899	40	255	295	23264	28257	51521
<i>Training Schools</i>												
Training Section	127	59	186	130	138	268	..	..	..	257	197	454
U.P. Section	94	75	169	41	91	132	..	..	..	135	166	301
L.P. Section	69	138	207	13	99	112	..	..	..	82	237	319
Total Training Schools	290	272	562	184	328	512	..	..	..	474	600	1074
Grand Total	33909	34411	68320	47513	60540	108053	585	1477	2062	82007	96428	178435

TABLE 5.12—Contd

Number of teachers according to Management wise and section wise as on 15th July 1981

Schools	Government			Private			Private unaided			—Total		
	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
H.S. Section	9243	9076	18319	13482	15259	28741	360	508	868	23085	24843	47928
U.P. Section	10616	9750	20366	16646	20953	37599	141	421	562	27403	31124	58527
L.P. Section	13923	15526	29449	17255	24190	41445	84	548	632	31262	40264	71526
Training section	127	59	186	130	138	268	..	..	..	257	197	454
Total	33909	34411	68320	47513	60540	108053	585	1477	2062	82007	96428	178435

TABLE 5.13

Stock of Teachers—Section-wise

Year	High School Section	Upper Primary Section	Lower Primary Section	Total
1971-72	29470	44731	72233	146134
1972-73	30723	45495	74550	150768
1973-74	31912	47392	74278	153582
1974-75	33335	49173	76275	158783
1975-76	34846	51657	75882	162385
1976-77	36352	52369	75487	164208
1977-78	37405	53322	76474	167201
1978-79	41746	57584	74915	174245
* 1979-80	44880	56848	73997	175725
* 1980-81	46601	57293	71540	175434
* 1981-82	48382	58527	71526	178435

*Provisional figures

TABLE 5.14

Number of Students in basic Training Schools 1971-72 to 1980-81

Year	Number of Schools	Boys	Girls	Total
1971-72	105	1239	907	2146
1972-73	1105	NA	NA	1720
1973-74	105	NA	NA	1720
1974-75	Closed	..	..	No Selection
1975-76	Closed	..	..	..
1976-77	58	812	1508	2320
1977-78	58	812	1508	2320
1978-79	93	1560	3560	5120
1979-80	93	1439	4177	5616
1980-81	93	1701	4695	6396

No admission during 1971-72. During 1972-73 admission was confined to twelve Government Basic Training schools and in Private training schools, admission was restricted for only 20 candidates per institution.

TABLE 5.15

**Wastage in the Schools Education 1970-71
to 1979-80**

Batch (Total)				
Year	Standard	Enrolment	Index of Pupils retained	Cumulative % of wastage
1970-71	I	800470	1000	..
1971-72	II	718133	897	11.3
1972-73	III	697088	871	12.9
1973-74	IV	667761	834	16.6
1974-75	V	584777	730	27.0
1975-76	VI	528198	660	34.0
1976-77	VII	491964	614	38.6
1977-78	VIII	441370	555	44.9
1978-79	IX	401511	502	49.8
1979-80	X	303604	379	62.1
S.S.L.C Examination in March 1980	} No. appeared	298786	373	62.7
		No. Passed 118601	148	35.2

TABLE 5.16

Wastage in School Education 1970-71 to 1979-80

Batch (Boys)

Year	Standard	Enrolment	Index of Pupils retained	Cumulative percentage of wastage
(1)	(2)	(3)	(4)	(5)
1970-71	I	420693	1000	..
1971-72	II	383534	912	8.8
1972-73	III	365207	868	13.2
1973-74	IV	349315	830	17.0

(1)	(2)	(3)	(4)	(5)
1974	V	309754	736	26.4
1975	VI	280352	666	33.4
1976	VII	260717	620	38.0
1977	VIII	234628	558	44.2
1978	IX	209507	498	50.2
1979	X	154240	367	63.3
S.S.L.C Examination March 1980	} No. appeared	151521	360	64.0
		No. Passed 56496	134	86.6

TABLE 5.17

Wastage in School Education 1970-71 to 1979-80

Batch (Girls)

Year	Standard	Enrolment	Index of Pupils retained	Cumulative percentage of wastage
1970-71	I	379777	1000	..
1971-72	II	334603	881	11.9
1972-73	III	331881	874	12.6
1973-74	IV	318446	839	16.1
1974-75	V	275023	724	27.6
1975-76	VI	247846	653	34.7
1976-77	VII	231247	609	39.1
1977-78	VIII	206742	544	45.6
1978-79	IX	192004	506	49.4
1979-80	X	149364	393	60.7
S.S.L.C. Examination March 1980	} No. appeared	147265	388	61.2
		No. passed 62105	164	83.6

Year	Month	Day	Time	Location	Remarks
1900	Jan	1	10:00	London	Arrived
1900	Jan	2	11:00	London	Departed
1900	Jan	3	12:00	London	Arrived
1900	Jan	4	13:00	London	Departed
1900	Jan	5	14:00	London	Arrived
1900	Jan	6	15:00	London	Departed
1900	Jan	7	16:00	London	Arrived
1900	Jan	8	17:00	London	Departed
1900	Jan	9	18:00	London	Arrived
1900	Jan	10	19:00	London	Departed
1900	Jan	11	20:00	London	Arrived
1900	Jan	12	21:00	London	Departed
1900	Jan	13	22:00	London	Arrived
1900	Jan	14	23:00	London	Departed
1900	Jan	15	24:00	London	Arrived
1900	Jan	16	25:00	London	Departed
1900	Jan	17	26:00	London	Arrived
1900	Jan	18	27:00	London	Departed
1900	Jan	19	28:00	London	Arrived
1900	Jan	20	29:00	London	Departed
1900	Jan	21	30:00	London	Arrived
1900	Jan	22	31:00	London	Departed
1900	Jan	23	32:00	London	Arrived
1900	Jan	24	33:00	London	Departed
1900	Jan	25	34:00	London	Arrived
1900	Jan	26	35:00	London	Departed
1900	Jan	27	36:00	London	Arrived
1900	Jan	28	37:00	London	Departed
1900	Jan	29	38:00	London	Arrived
1900	Jan	30	39:00	London	Departed
1900	Jan	31	40:00	London	Arrived

SECTION VI

EDUCATED MANPOWER—GENERAL EDUCATION
(COLLEGE EDUCATION)

TABLE 6.1

Number of Colleges affiliated to the Universities in Kerala 1981-82

Colleges	Kerala University			Cochin University			Calicut University			Total		
	Govt.	Private	Total	Govt.	Private	Total	Govt.	Private	Total	Govt.	Private	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Arts and Science Colleges	12	81	93	..	..	..	24	40	64	36	121	157*
2. Training College	1	13	14	..	..	..	3	2	5	4	15	19
3. Engineering Colleges	1	2	3	..	..	..	2	1**	3	3	3	6
4. Medical Colleges	3	..	3	..	..	..	2	..	2	5	..	5
5. Ayurveda Colleges	2	..	2	..	..	..	..	2	2	2	2	4
6. Law Colleges	2	1	3	..	..	..	1	..	1	3	1	4
Total	21	97	118	..	..	..	32	45	77	53	142	195

*Excludes evening Colleges.

**R.E.C., Calicut.

TABLE 6.2

Number of Colleges Affiliated to the Universities in Kerala 1982-83

Colleges	Kerala University			Cochin University			Calicut University			Total		
	Govt.	Private	Total	Govt.	Private	Total	Govt.	Private	Total	Govt.	Private	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Arts and Science Colleges	14	85	99	..	..	..	24	47	71	38	132	179*
2. Training Colleges	1	13	14	..	..	..	3	2	5	4	15	19
3. Engineering Colleges	1	2	3	..	..	..	2	1	3	3	3	6
4. Medical Colleges	3	..	3	..	..	..	2	..	2	5	..	5
5. Ayurveda Colleges	2	..	2	..	..	..	..	2	2	2	2	4
6. Law Colleges	2	1	3	..	..	..	1	..	1	3	1	4
Total	23	101	124	..	..	..	32	52	84	55	153	208

*R.E.C.—Calicut. Note: *Excludes evening Colleges.

Source: Economic Review 1982.

TABLE 6.3

Training Colleges in Kerala with sanctioned intake and Actual intake in the year 1981-82

Sl. No.	Name of Training College	District in which located	Sanctioned intake	Actual intake			
				Male	Female	Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
A. Government							
1.	Government Training College,	Trivandrum	Trivandrum	246	76	170	246
2.	"	Trichur	Trichur	144	29	113	142
3.	"	Calicut	Calicut	136	66	70	136
4.	"	Tellicherry	Cannanore	144	76	61	137
Government Total				670	247	414	661

(1)	(2)	(3)	(4)	(5)	(6)	(7)
B. Private						
1.	Mar Theophilus Training College, Trivandrum	Trivandrum	150	17	133	150
2.	S. N. Training College, Nedunganda	Trivandrum	144	16	128	144
3.	Karmala Rani Training College, Quilon	Quilon	144	40	104	144
4.	Mount Tabour Training College, Pathanapuram	Quilon	150	46	104	150
5.	Titus II Training College, Thiruvalla	Alleppey	144	36	108	144
6.	N. S. S. Training College, Pandalam	Alleppey	150	31	119	150
7.	Peet Memorial Training College, Mavelikara	Alleppey	144	34	106	140
8.	St. Thomas, Training College, Palai	Kottayam	144	33	103	136
9.	Mount Carmal Training College, Kottayam	Kottayam	120	..	120	120
10.	St. Joseph's Training College, Mannanam	Kottayam	144	144	..	144
11.	N.S.S. Training College, Changanacherry	Kottayam	187	38	141	179
12.	S. N. M. Training College, Moothakunnam	Ernakulam	146	35	111	146
13.	St. Joseph's Training College, Ernakulam	Ernakulam	144	..	140	140
14.	N.S.S. Training College, Ottappalam	Palghat	120	25	95	120
15.	Feroke Training College, Kozhikode	Kozhikode	120	58	62	120
Private Total			2151	553	1574	2127
Grand Total			2821	800	1988	2788

M-6

* Including MED P-2

T-8

Source: Directorate of Collegiate Education.

TABLE 6.4

Distribution of Training Colleges by District and sanctioned intake and actual intake in 1981-82

District	Government					Private					Total				
	No. of Sancti- colleges - intake	Actual intake			No. of Sanc- colleges - intake	Actual intake			No. of Sanc- colleges - intake	Actual intake					
		Male	Female	Total		Male	Female	Total		Male	Female	Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Trivandrum	1	246	76	170	246	2	294	33	261	294	3	540	109	431	540
Quilon	..	..	..	..	..	2	294	86	208	294	2	294	86	208	294
Alleppey	..	..	..	..	..	3	438	101	333	434	3	438	101	333	434
Kottayam	..	..	..	..	..	4	595	215	364	579	4	595	215	364	579
Idukki	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ernakulam	..	..	..	..	..	2	290	35	251	286	2	290	35	251	286
Trichur	1	144	29	113	142	..	..	..	..	..	1	144	229	113	142
Palghat	..	..	..	..	..	1	120	25	95	120	1	120	25	95	120
Malappuram	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kozhikode	1	136	66	70	136	1	120	58	62	120	2	256	124	132	256
Wynad	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cannanore	1	144	76	61	137	..	..	..	..	..	1	144	76	61	137
Kerala	4	670	247	414	661	15	2151	553	1574	2127	19	2821	800	1988	2798

Source: Directorate of Collegiate Education.

TABLE 6.5

Sanctioned intake, Actual intake and outturn of Bed Degree Holders 1971-82

Year	Sanctioned intake	Actual intake	Outturn
(1)	(2)	(3)	(4)
1971-72	2380	2400	2138
1972-73	1970	1982	1689
1973-74	1970	1882	1507
1974-75	1970	1994	1690
1975-76	1883	1753	1694
1976-77	2020	2008	1922
1977-78	2261	2242	2101
1978-79	2336	2336	2213
1979-80	2645	2633	2460
1980-81	2645	2619	2583
1981-82	2821	2788	2686

Source: Directorate of Collegiate Education.

TABLE 6.6

Teaching staff in Training Colleges of Kerala 1981-'82

Sl. No.	Name of College	Principal		Professor Gr. II		Lecture		Others		Total						
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
A. Government																
1	Government Training College, Trivandrum	1	..	1	2	1	3	2	8	10	1	..	1	6	9	15
2	" " " " Trichur	1	..	1	2	..	2	7	3	10	2	..	2	12	3	15
3	" " " " Calicut	1	..	1	1	..	1	7	1	8	..	..	..	9	1	10
4	" " " " Tellicherry	1	..	1	1	..	1	6	4	10	..	..	..	8	4	12
Government Total		4	..	4	6	1	7	22	16	38	3	..	3	35	17	52
B. Private																
1	Mar theophilus Training College, Trivandrum	1	..	1	1	..	1	3	4	7	..	..	..	5	4	9
2	S. N. Training College, Nedunganda	1	..	1	4	1	5	..	4	4	..	..	..	5	5	10
3	Karmala Rani Training College, Quilon	..	1	1	2	..	2	2	4	6	..	..	..	4	5	9
4	Mount Tabour Training College, Pathanapuram	1	..	1	2	..	2	5	..	5	1	..	1	9	..	9
5	Titus II Training College, Thiruvalla	1	..	1	3	..	3	1	3	4	..	..	..	5	3	8
6	N. S. S. Training College, Pandalam	1	..	1	4	1	5	2	1	3	..	..	..	7	2	9
7	Peet Memorial Training College, Mavelikara	1	..	1	3	1	4	1	3	4	..	..	..	5	4	9
8	St. Thomas Training College, Palai	..	1	1	2	..	2	4	..	4	..	..	..	6	1	7
9	Mount Carmel Training College, Kottayam	..	1	1	..	3	3	..	2	2	..	..	..	..	6	6
10	St. Joseph's Training College, Mannanam	1	..	1	2	..	2	4	..	4	..	..	..	7	..	7
11	N. S. S. Training College, Changanacherry	..	1	1	3	3	6	1	1	2	..	..	..	4	5	9
12	S. N. M. Training College, Moothukunnam	1	..	1	3	1	4	4	..	4	1	..	1	9	1	10
13	St. Joseph's Training College, Ernakulam	..	1	1	..	5	5	..	2	2	..	..	..	..	8	8
14	N. S. S., Ottappalam	..	1	1	2	1	3	3	1	4	..	..	..	5	3	8
15	Feroke Training College, Kozhikode	1	..	1	3	..	3	3	2	5	..	..	..	7	2	9
Private Total		9	6	15	34	16	50	33	27	60	2	..	2	78	49	127
State Total		13	6	19	40	17	57	55	43	98	5	..	5	113	66	179

Source: Directorate of Collegiate Education,

TABLE 6.7

Teaching Staff in Training Colleges in the District of Kerala 1981-82

District	Government			Private			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Trivandrum	6	9	15	10	9	19	16	18	34
Quilon	..	..	..	13	5	18	13	5	18
Alleppey	..	..	..	17	9	26	17	9	26
Kottayam	..	..	..	17	12	29	17	12	29
Idukki	..	..	..	..	..	..	..	..	..
Ernakulam	..	..	..	9	9	18	9	9	18
Trichur	12	3	15	..	..	..	12	3	15
Palghat	..	..	..	5	3	8	5	3	8
Malappuram	..	..	..	..	..	..	..	..	..
Kozhikode	9	1	10	7	2	9	16	3	19
Wynad	..	..	..	..	..	..	..	..	..
Cannanore	8	4	12	..	..	..	8	4	12
State	35	17	52	78	49	127	113	66	179

Source: Directorate of Collegiate Education.

TABLE 6.8

Number of Arts and Science Colleges in the Public & Private Sectors in Kerala 1982-83

District	Government	Private	Total
(1)	(2)	(3)	(4)
Trivandrum	8	11	19
Quilon	1	16	17
Alleppey	..	15	15
Kottayam	1	20	21
Idukki	1	4	5
Ernakulam	5	19	24
Trichur	4	16	20
Palghat	3	7	10
Malappuram	3	7	10
Kozhikode	7	7	14
Wynad	2	2	4
Cannanore	5	8	13
State	40	132	172

Source: Directorate of Collegiate Education

TABLE 6.9

Number of Arts and Science Colleges and Enrolment of Students by Districts (1981-82)

District	Government				Private				Total			
	No. of Colleges	Male	Female	Total	No. of Colleges	Male	Female	Total	No. of Colleges	Male	Female	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Trivandrum	7	5569	5134	10703	11	10033	12642	22630	18	15607	17776	33383
Quilon	1	270	155	425	16	17060	17430	34490	17	17330	17585	34915
Alleppey	Nil	..	..	..	15	13859	17285	31144	15	13859	17285	31144
Kottayam	1	1205	745	1951	20	16786	19932	36718	21	17992	20677	38669
Idukki	1	223	190	413	2	1212	1612	2824	3	1435	1802	3237
Ernakulam	5	2439	2459	4898	18	14906	15575	30481	23	17345	18034	35379
Trichur	4	1569	1446	3015	15	11566	13047	24613	19	13135	14493	27638
Palghat	3	4454	2982	7436	6	3907	4052	7959	9	8361	7034	15395
Malappuram	3	1179	691	1870	6	5030	2604	7634	9	6209	3295	9504
Kozhikode	7	4716	2678	7394	6	6892	4262	11154	13	11608	6940	18548
Wynad	2	212	76	288	1	924	690	1614	3	1136	766	1902
Cannanore	5	3161	2369	5530	7	8219	4701	12920	12	11380	7070	18450
State	39	24998	18925	43923	123	110399	113832	224231	162	135397	132757	268154

Source: Directorate of Collegiate Education.

TABLE 6.10

Number of Arts and Science Colleges and Enrolment of Students in Kerala during the year 1971-72 to 1981-82

Year	No. of Colleges	No. of students
1971-72	117	153437
1972-73	119	116330
1973-74	122	152602
1974-75	122	153445
1975-76	128	164982
1976-77	130	176483
1977-78	132	183462
1978-79	132	195170
1979-80	132	212836
1980-81	136	242322
1981-82	162	268154

Source: Directorate of Collegiate Education.

TABLE 6.11

Students Strength in Arts and Science Colleges (Government) 1981-82.

District	No. of Colleges	Pre-Degree			Degree			Post-graduate degree			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Trivandrum	7	2914	2544	5458	2360	1993	4353	295	597	892	5569	5134	10703
Quilon	1	270	155	425	..	..	..	..	..	..	270	155	425
Alleppey	Nil.	..	..	..	..	..	..	..	..	..	..	..	..
Kottayam	1	824	562	1386	371	179	550	11	4	15	1206	745	1951
Idukki	1	223	190	413	..	..	..	..	..	..	223	190	413
Ernakulam	5	1023	1208	2231	1157	928	2085	259	323	582	2439	2459	4898
Trichur	4	1357	1230	2587	212	216	428	..	..	..	1569	1446	3015
Palghat	3	2603	1678	4281	1695	1134	2829	156	170	326	4454	2982	7436
Malappuram	3	926	537	1463	253	154	407	..	..	..	1179	691	1870
Kozhikode	7	3191	2021	5212	1473	639	2112	52	18	70	4716	2678	7394
Wynad	2	212	76	288	..	..	..	..	..	..	212	76	288
Cannanore	5	1799	1409	3208	1261	910	2171	101	50	151	3161	2369	5530
State	39	15342	11610	26952	8782	6153	14935	874	1162	2036	24998	18925	43923

Source: Directorate of Collegiate Education.

TABLE 6.12

Students Strength in Arts and Science Colleges (Private) 1981-82

District	No. of Colleges	Pre-Degree			Degree			Post-graduate			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Trivandrum	11	6523	7648	14171	3345	4809	8154	170	185	355	10038	12642	22680
Quilon	10	11005	10731	21736	5701	6277	11978	354	422	776	17060	17430	34490
Alleppey	15	9217	10931	20148	4423	6159	10582	219	195	414	13859	17285	31144
Kottayam	20	10065	12255	22320	6117	7067	13184	604	610	1214	16786	19932	36718
Idukki	2	799	1083	1882	413	529	942	..	..	..	1212	1612	2824
Ernakulam	18	9136	9404	18540	5335	5849	11184	435	322	757	14906	15575	30481
Trichur	15	7013	7618	14631	4190	5200	9390	363	229	592	11566	13047	24613
Palghat	6	2486	2486	4972	1348	1518	2866	73	48	121	3907	4052	7959
Malappuram	6	3621	1993	5614	1305	584	1889	104	27	131	5030	2604	7634
Kozhikode	6	3664	2401	6065	2954	1774	4728	274	87	361	6892	4262	11154
Wynad	1	559	561	1220	265	129	394	..	..	..	924	690	1614
Cannanore	7	5457	3115	8572	2694	1559	4253	68	27	95	8219	4701	12920
State	123	69645	70226	139871	38090	41454	79544	2664	2152	4816	110399	113832	224231

Source: Directorate of Collegiate Education.

TABLE 6.13

District-wise number of Teaching Staff in Colleges of Kerala (1981-82)

District	Government			Private			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Trivandrum	293	226	519	467	452	919	760	678	1438
Quilon	10	5	15	939	495	1434	949	500	1449
Alleppey	..	..	..	878	408	1286	878	408	1286
Kottayam	51	18	69	1028	559	1587	1079	577	1656
Idukki	7	..	7	77	40	117	84	40	124
Ernakulam	155	110	265	791	422	1213	946	532	1478
Trichur	81	39	120	604	427	1031	685	466	1151
Palghat	233	142	375	223	132	355	456	274	730
Malappuram	72	19	91	228	56	284	300	35	375
Kozhikode	202	83	285	359	156	515	561	239	800
Wynad	12	4	16	57	10	67	69	14	83
Cannanore	193	61	254	376	140	516	569	201	770
State	1309	707	2016	6027	3297	9324	7336	4004	11340

Source: Directorate of Collegiate Education.

TABLE 6.14

Number of students in Arts and Science Colleges of Kerala by course of study (1981-82)

Course	No. of Colleges	No. of Students
(1)	(2)	(3)
Pre-degree course	162	166823
Degree course	158	94479
Post-Graduate Course	101	6852
Total	..	268154

Source: Directorate of Collegiate Education.

TABLE 6.15

Number of Teachers in Arts and Science Colleges of Kerala 1971-72 to 1981-82

Year	No. of Teachers
1971-72	7267
1972-73	7349
1973-74	7565
1974-75	7637
1975-76	7713
1976-77	7984
1977-78	8094
1978-79	8360
1979-80	9349
1980-81	10168
1981-82	11340

Source: Directorate of Collegiate Education.

TABLE 6.16

Out turn of Post-Graduates in General Education by Subject and by Class from Kerala University 1980-81

Subject	No. Appeared	Number passed				
		I Class	II Class	III Class	Total	
(1)	(2)	(3)	(4)	(5)	(6)	
M.A. History	297	13	129	101	243	
Economics	923	22	197	120	339	
Philosophy	56	2	33	15	50	
Politics	110	14	74	15	103	
Psychology	20	5	14	1	20	
English	539	26	111	173	310	
Sociology	810	4	78	170	253	
Music	8	..	4	1	5	
Malayalam	288	27	157	58	242	
Hindi	103	19	70	11	100	
Tamil	3	1	2	..	3	
Sanskrit	91	34	42	2	78	
Arabic	7	4	..	..	4
Linguistics	20	8	9	2	19	
M.Com.	..	514	18	211	83	312
M.S.W	..	..	..	..	..
M.Sc Mathematics	280	103	55	35	193	
Statistics	36	10	19	6	35	
Physics	171	82	29	..	111	
Botany	152	105	41	3	149	
Zoology	118	97	15	..	112	
Chemistry	169	102	20	..	122	
Analytical Chemistry	12	7	5	..	12	
Applied Chemistry	11	10	1	..	11	
Bio Chemistry	6	5	1	..	6	

TABLE 6.17

Number of students appeared and passed in different courses of studies under Kerala University in 1971-72 to 1980-81

Name of Courses	1971-72					1972-73					1973-74							
	No. appeared		No. passed		(1)	No. appeared		No. passed		(10)	No. appeared		No. passed		(16)			
	Male	Female	Total	Male		Female	Male	Female	Total		Male	Female	Male	Female		Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(11)	(12)	(13)	(14)	(15)	(17)	(18)	(19)		
Pre-degree	31470	22998	54466	11298	8902	20200	35859	27307	63166	9628	7812	17440	39138	26180	65318	9696	7342	17038
B.A.	5427	4703	10130	3014	2915	5929	4361	3904	8265	2474	2266	4740	6205	5692	11897	2454	2307	4761
B.Sc.	5388	3868	9256	3212	2718	5930	5937	3962	9899	3368	2415	5783	4645	3159	7804	2646	1923	4569
B.Sc. (H.S.)	..	205	205	..	194	194	..	201	201	..	191	191	..	211	211	..	189	189
BL/LLB	413	42	455	220	21	241	392	40	432	260	29	289	477	74	551	278	41	319
B.A. (Music)	..	11	11	..	10	10	..	13	13	..	13	13	..	13	13	..	13	13
B.Com.	2059	215	2274	841	60	901	2026	201	2277	905	70	975	2195	293	2488	907	163	1070
BL b Science	18	13	31	15	13	28	10	19	29	9	17	26	17	13	30	16	12	28
M.A.	779	603	1382	521	506	1027	743	659	1402	586	550	1136	696	632	1328	531	513	1044
M.Sc.	486	398	884	411	353	764	445	429	824	379	393	772	396	396	792	290	301	591
M.Sc. (H.S.)	..	21	21	..	20	20	..	19	19	..	19	19	..	23	23	..	23	23
M.A. (Music)	..	3	3	..	3	..	..	2	2	..	2	2	..	13	13	..	13	13
M.Com.	86	11	97	74	11	85	73	5	78	65	6	71	73	3	76	58	1	59
ML/LLM	26	5	31	6	..	6	11	2	13	3	1	4	9	2	11	8	1	9

Number of students appeared and passed in different courses of studies under Kerala University in 1971-72 to 1980-81

TABLE 6.17—(Contd.)

(1)	1975-76						1976-77						1977-78					
	No. appeared			No. passed			No. appeared			No. passed			No. appeared			No. passed		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Pre degree	41804	27868	69672	15753	10481	26234	40369	29239	69508	23634	16422	40056	57152	41385	98537	19494	14705	34199
B.A.	6397	5904	12301	2730	2520	5250	3760	2836	6596	2268	1973	4241	4480	3771	8251	2543	2089	4632
B.Sc.	6018	4011	10029	3349	2425	5774	3928	3911	7839	1941	2271	4212	4081	3772	7853	2140	2689	4929
B.Sc. (H.S.)	..	155	155	..	130	130	..	143	143	..	117	117	..	139	139	..	118	11
B.L./LLB	527	157	684	294	92	386	481	87	568	342	45	387	564	110	674	321	54	375
B.A. (Music)	..	7	7	..	7	7	..	11	11	..	7	7	..	18	18	..	11	11
B.Com.	2266	463	2729	1066	301	1367	2497	464	2961	1467	266	1733	2880	811	3691	1491	394	1885
B.L. b science	18	14	32	17	12	29	21	14	35	19	12	31	13	14	27	11	13	248
M.A.	631	573	1204	529	509	1038	556	699	1255	489	633	1122	829	1067	1896	623	842	1465
M.Sc.	422	412	834	343	339	682	369	553	922	285	456	741	330	511	841	279	559	738
M.Sc. (H.S.)	..	18	18	..	18	18	..	7	7	..	7	7	..	9	9	..	7	7
M.A. (Music)	..	9	9	..	9	9	..	5	5	..	5	5	..	4	4	..	3	3
M.Com.	118	13	131	102	11	113	103	17	120	82	14	96	180	32	212	137	28	165
ML/LLM	14	4	18	6	2	8	13	3	16	4	..	4	11	2	13	10	1	11

TABLE 6.17

**Number of students appeared and passed in different courses under Kerala
University in 1971-72 to 1980-81**

Name of Courses	1978-79			1979-80			1980-81											
	No. appeared		No. passed	No. appeared		No. passed	No. appeared		No. passed									
	Male	Female	Total	Male	Female	Total	Male	Female	Total									
(1)	(38)	(39)	(40)	(41)	(42)	(43)	(44)	(45)	(46)	(47)	(48)	(49)	(50)	(51)	(52)	(53)	(54)	(55)
PDC	56580	42683	99263	19963	15685	35648	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B.A.	5707	3215	8922	3395	1661	5056	5368	8170	13538	2310	3202	5512	5368	8170	13538	2310	3202	5512
B.Sc	3988	5483	9471	2482	3558	6040	4461	4789	9250	2148	2955	5103	4461	4789	9250	2418	2955	5373
B.Sc. (H.S.)	..	120	120	..	116	116	..	125	125	..	118	118	..	119	119	..	107	107
LLB/A	512	112	624	311	71	382	650	114	764	329	68	397	..	..	..	..	..	..
B.A. (Music)	..	13	13	..	9	9	..	11	11	..	7	7	..	18	18	..	11	11
B.Com.	2648	1758	4406	1424	723	2147	9502	5978	15480	3798	2132	5930	10574	8337	18911	3404	2177	5581
BL. b science	15	13	28	15	11	26	19	9	28	19	8	27	16	15	31	13	13	26
M.A.	900	1268	2168	643	988	1631	1201	1499	2700	798	1082	1880	1412	1873	3285	948	1014	1962
M.Sc.	327	474	801	273	404	677	397	490	887	337	419	756	613	477	1090	414	411	825
M.Sc. (H.S.)	..	8	8	..	4	4	..	26	26	..	23	23	..	27	27	..	25	25
M.A. (Music)	..	6	6	..	2	2	..	6	6	..	3	3	..	9	9	..	9	9
M.Com.	263	61	324	140	46	186	390	124	514	233	80	313	390	124	514	233	79	312
ML/LLM	15	5	20	6	1	7	16	3	19	4	..	4	NA	NA	NA	NA	NA	NA

TABLE 6.18

**Number of students appeared and passed in post graduate studies under Cochin University
for the Year 1978-79 to 1982-83**

Subject	1978-79		1979-80		1980-81		1981-82		1982-83	
	No. appeared	No. passed	No. appeared	No. passed	No. appeared	No. passed	No. appeared	No. passed	No. appeared	No. passed
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1 M.Sc. Marine Biology	8	8	10	10	5	5	12	12	N.A	NA
2 M.Sc. Marine Geology	6	6	6	6	6	6	10	10	NA	NA
3 M.Sc. Meteorology	7	7	5	5	5	5	10	9	"	"
4 Oceanography	4	4	6	6	4	4	10	9	"	"
5 M.Sc. Industrial Fisheries	14	14	16	16	15	15	13	13	"	"
6 M.Sc. Mariculture	..	..	..	..	15	15	9	9	12	12
7 M.A. Hindi	5	5	12	12	16	16	23	23	NA	NA
8 M.Sc. Applied Chemistry	11	11	14	14	9	9	13	13	"	"
9 M.Sc. Mathematics	8	8	12	12	15	14	14	14	"	"
10 M.Sc. Statistics	..	..	..	..	..	..	10	7	..	..
11 JLLM	16	13	8	8	18	14	14	14	..	..
12 M. B. M.	..	..	..	..	28	27	27	22	28	19

Source: University of Cochin

TABLE 6.19

Number of post graduate students in University Departments—Kerala and Calicut University 1981-1982

Sl. No.	Name of Department	Kerala University			Calicut University			Total		
		Men	Women	Total	Men	Women	Total	Men	Women	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	Department of Economics	24	20	44	17	7	24	41	27	68
2	„ Politics	35	11	46	..	..	..	35	11	46
3	„ History	17	19	36	14	18	32	31	37	68
4	„ Psychology	10	22	32	12	8	20	22	30	52
5	„ Sociology	16	21	37	..	..	..	16	21	37
6	„ Journalism	27	8	35	..	..	..	27	8	35
7	„ Library Science	2	4	6	..	..	..	2	4	6
8	„ Sanskrit	..	..	..	3	11	14	3	11	14
9	„ English	15	36	51	26	34	60	41	70	111
10	„ Hindi	..	..	..	16	24	40	16	24	40
11	„ Arabic	..	..	..	16	..	16	16	..	16
12	„ Malayalam	14	16	30	10	16	26	24	32	56
13	„ German	..	2	2	..	..	..	..	2	2
14	„ Russian	9	11	20	..	..	..	9	11	20
15	„ Tamil	4	7	11	..	..	..	4	7	11
16	„ Linguistics	11	28	39	..	..	..	11	28	39
17	„ Mathematics	12	23	35	21	6	27	33	29	62
18	„ Statistics	14	14	28	..	..	..	14	14	28
19	„ Physics	NA	NA	14	18	6	24	NA	NA	38
20	„ Chemistry	..	..	..	7	13	20	7	13	20
21	„ Bio Chemistry	4	10	14	..	..	..	4	10	14
22	„ Botany	12	8	20	6	18	24	18	26	44
23	„ Zoology	..	..	..	5	11	16	5	11	16
24	„ Geology	14	2	16	..	..	..	14	2	16
25	„ Education	..	..	..	16	11	27	16	11	27
26	„ Commerce	..	..	..	27	3	30	27	3	30
27	„ Demography and Population Studies	5	5	10	..	..	..	5	5	10
28	„ Life Science	..	..	..	6	4	10	6	4	10
29	„ Philosophy	..	..	..	12	12	24	12	12	24
Total		526			214	196	410	960		

SECTION VII
EDUCATED MANPOWER—TECHNICAL AND PROFESSIONAL

TABLE 7.1

Progress of Technical Education Institutions in Kerala—Engineering Colleges—1980-81

Name of Institution	Year of establishment	Government/ Private	Courses started during the year of establishment	New Courses started	Year of new courses started
(1)	(2)	(3)	(4)	(5)	(6)
1. Engineering College, Trivandrum	1938-39	Government	Degree and Diploma courses in civil, Mechanical and Electrical (5 years integrated course and 3 years for graduates. But subsequently connected into 4 years course)	1. Diploma course subsequently transferred to Maharaja's Technological Institute, Trichur 2. Post graduate course in civil, Mechanical and Electrical (Hydraulics, structural Engineering Electrical Mechanic Design) 3. Degree course in Architecture 4. Part-time AMIE. 5. Part-time post graduate course 6. Degree course in Electronics (Tele-Communication) 7. Part-time Degree course in civil, Mechanical and Electrical 8. Post-graduate course in Electronics (Micro-wave Engineering)	1958-59 1961-62 1962-63 (But dropped) 1962-63 1964-65 1973-74 1973-74
2. Engineering College, Trichur	1958-59	Government	Degree course in Civil, Mechanical and Electrical Engineering	1. Degree course in Chemical Engineering 2. Part-Time AMIE. 3. Post graduate course in Civil, Mechanical and Electrical Engineering 4. Part-time Degree Course in civil, Mechanical and Electrical Engineering 5. Naval Architecture 6. Degree course in production-cum-plant Engineering	1961-62 1961-62 (But dropped) 1971-72 1974-75 1975-76 (But transferred to Cochin University) 1979-80
3. T.K.M. College of Engineering, Quilon	1958-59	Private	Degree Course in Civil, Mechanical and Electrical Engineering	1. Degree course in Electronics and Communication 2. Degree course in Chemical Engineering & production Engineering 3. Part-time degree course in Civil, Mechanical and Electrical Engineering	1977-78 1980-81 1980-81
4. M.A. College of Engineering, Kothamangalam	1961-62	Private	do.	..	..
5. N.S.S. College of Engineering, Palghat	1960-61	Private	do.	..	..
6. Regional Engineering college, Calicut	1960-61	Quasi Government	do.	1. Post graduate course in Civil, Mechanical Electrical 2. Degree course in Electronics (Preparatory Course for Non-Kerala Student)	1972-73 1980-81 Dropped during 1980-81

Source: Directorate of Technical Education.

37/1200/MC.

TABLE 7.2

Progress of Technical Education Institution in Kerala—Polytechnics—1981-82

Name of Institution	Year of establishment	Government/ Private	Courses started during the year of establishment	New courses started	Year of New courses started
(1)	(2)	(3)	(4)	(5)	(6)
1. Central Polytechnic, Tvm.	1958-59	Government	Diploma courses in Civil, Mechanical and Electrical	1. Part-time Diploma in Civil, Mechanical and Electrical 2. Textile Technology 3. Certificate course in Textile Technology 4. Diploma in Electronics 5. Post Diploma in Industrial Electronics 6. Post Diploma in Television Engineering	1970-71 (institute of Textile Technology integrated with Polytechnics) 1971-72 1976-77 1981-82
2. Government Polytechnic Kottayam	1960-61	Government	Diploma in Civil, Mechanical and Electrical	1. Diploma in commercial practice 2. Diploma in polymer Technology	1975-76 1977-78
3. Government Polytechnic, Kalamassery	1951-52	Government	Diploma in Civil, Mechanical, Electrical Automobile Fisheries and Food Technology	1. Fisheries and Food Technology transferred to Polytechnic, Calicut 2. Post Diploma in Refrigeration & Air Conditioning 3. Part-time Diploma in Civil, Mechanical and Electrical	1957-58 1977-78
4. Maharajas Technological Institute, Trichur	1947-48	Government	Diploma in Mechanical & Electrical	1. Part-time Diploma in Civil, Mechanical & Electrical 2. Post Diploma in Foundry.	1981-82
5. Sree Rama Polytechnic, Valapad	1958-59	Government	Diploma in Civil, Mechanical and Electrical	..	..
6. Government Polytechnic, Perinthalmanna	1961-62	Government	do.	..	..
7. Kerala Government Polytechnic, Calicut	1946-47	Government	Diploma in Civil, Mechanical & Electrical and chemical Engineering	1. Fisheries and Food Technology 2. Part Time diploma in Civil, Mechanical & Electrical	1957-58 (Subsequently dropped) 1957-58
8. Government Polytechnic, Cannanore	1958-59	Government	Diploma in Civil, Mechanical Electrical and Textile Technology	Wood Technology	1981-82 Sanctioned but not started
9. Government Polytechnic, Palghat	1980-81	Government	Diploma in Mechanical and Electronics	..	..
10. Government Polytechnic, Idukki	1980-81	Government	Courses not started during 1980-81	..	..
11. Sree Narayana Polytechnic Kottayam	1957-58	Private	Diploma in Civil, Mechanical and Electrical	..	..
12. N.S.S. Polytechnic, Pandalam	1958-59	Private	do.	..	..
13. Carmel Polytechnic, Alleppey	1958-59	Private	do.	..	..
14. Seethi Sahib Memorial Polytechnic, Tirur	1962-63	Private	do.	Electronics	1971-72
15. Thiagarajan Polytechnic, Alagappanagar	1956-57	Private	Diploma in Civil Mechanical & Electrical	..	..
16. Swami Nithyananda Polytechnic Kanhangad	1966-67	Private	Diploma in Mechanical Engineering	Automobile	1967-68
17. Women's Polytechnic, Trivandrum	1961-62	Government	Diploma in Secretarial practice and Stenography (Commercial practice) Civil Engineering, Draftsmanship and costum Design & Dress Making	1. Civil Engineering Draftsmanship 2. Secretarial practices connected into commercial practice 3. Instrument Technology	Dropped 1968-69 1973-74

(1)	(2)	(3)	(4)	(5)	(6)	
18.	Women's Poly-technic, Trichur	1962-63	Government	Electronics, Secretarial practice, costum Design and Dress making	Commercial practice instead of secretarial practice	(1968-69)
19.	Women's Poly-technic, Calicut	1963-64	Government	Secretarial practice Civil Engineering draftsmanship and costume Design & Dress making	1. Civil Engineering 2. Commercial practice instead of secretarial practice	Dropped 1968-69
20.	Institute of Printing Technology, Shoranur	1967-68	Government	Printing Technology	Lithography	1981-82

Source: Directorate of Technical Education.

TABLE 7.3

Progress of Technical Education Institutions in Kerala—Junior Technical Schools 1981

Name of Institutions	Year of establishment	Government/ Private	Courses started during the year of establishment	Intake capacity 1980-81
(1)	(2)	(3)	(4)	(5)
1. Junior Technical School, Nedumangad	1962-63	Government	Engineering Trade Such as Turner, Welding, Fitting Smithy, Patternmaking, Moulding Machine, Shop etc. all JTs. and special Trades such as cabinet making, Electroplating, Agriculture, Building Technology etc.	80
2. Junior Technical School, Attingal	1960-61	"		80
3. Junior Technical School, Ezhukone	1962-63	"		80
4. Junior Technical School, Adoor	1960-61	"		80
5. Junior Technical School, Krishnapuram	1962-63	"		80
6. Junior Technical School, Sherthalai	1960-61	"		80
7. Junior Technical School, Pampady	1960-61	"		80
8. Junior Technical School, Palai	1961-62	"		80
9. Junior Technical School, Perumbavoor	1960-61	"		80
10. Junior Technical School, Koratty	1961-62	"		80
11. Junior Technical School, Kodungallur	1961-62	"		80
12. Junior Technical School, Trichur	1963-64	"		80
13. Junior Technical School, Kunnamangalam	1960-61	"		80
14. Junior Technical School, Shoranur	1960-61	"		80
15. Junior Technical School, Kuttippuram	1980-81	"		80(*)
16. Junior Technical School, Idukki	1980-81	"		80(*)
17. Junior Technical School, Chittoor	1960-61	"		80
18. Junior Technical School, Palghat	1980-81	"		80(*)
19. Junior Technical School, Calicut	1963-64	"		60
20. Junior Technical School, Badagara	1964-65	"		80
21. Junior Technical School, Manjeri	1960-61	"		80
22. Junior Technical School, Cannanore	1963-64	"		80(*)
23. Junior Technical School, Sulthanbattery	1980-81	"		80
24. Junior Technical School, Shoranur	1962-63	"		80
25. Junior Technical School, Mattannur	1962-63	"		80

Note: (*) Only the sanctioned intake.

Source: Directorate of Technical Education.

TABLE 7.6

Intake Capacity allotted in Engineering Institutions in Kerala for Diploma Course 1980-81

Sl.No.	Institution & District	Civil	Mechanical	Electrical	Electronics	Automobile technology	Textile technology	Polymer technology	Instrument technology	Chemical Engineering technology	Printing technology	Commercial practice	Total full time	Part-time Diploma		Total	
														Civil	Mechanical		Electrical
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	Central Poly Technic—Trivandrum District	46	43	39	40	..	30	..	..	..	..	..	198	24	24	24	72
2	Government Poly Technic—Kottayam District	33	34	29	..	..	..	10	..	..	..	30	136	..	..	..	..
3	Government Poly Technic—Kalamassery, Ernakulam District	56	55	47	..	30	..	..	..	20	..	..	208	16	16	16	48
4	S.R. Poly Technic Valapad, Trichur, District	46	43	39	..	..	..	..	..	..	..	..	128	16	16	16	48
5	M.T.I. Trichur—Trichur District	46	43	39	..	..	..	..	..	..	..	..	128	..	..	..	..
6	Government Poly Technic Perunthalamanna, Malappuram District	33	34	29	..	..	..	..	..	..	..	..	96	..	..	..	..
7	Government Poly Technic Calicut, Calicut District	90	84	74	..	..	..	..	..	30	..	..	278	16	16	16	48
8	Government Poly Technic Cannanore, Cannanore District	46	43	39	..	..	30	..	..	..	..	..	158	..	..	..	..
9	Government Poly Technic Palghat, Palghat District	..	15	..	15	..	..	..	..	..	..	..	30	..	..	..	..
10	Institute of Printing Technology, Shoranur Palghat District.	..	..	..	..	..	..	..	..	..	40	..	40	..	..	..	..
11	S.N. Poly Technic Kottiyam, Quilon District	64	62	54	..	..	..	..	..	..	..	..	180	..	..	..	..
12	Carmel Poly Technic Alleppey, Alleppey District	64	62	54	..	..	..	..	..	..	..	..	180	..	..	..	..
13	N.S.S. Poly Technic Pandalam, Alleppey District	64	62	54	..	..	..	..	..	..	..	..	180	..	..	..	..
14	Thyagaraja Poly Technic Alagappanagar, Trichur District	64	62	54	..	..	..	..	..	..	..	..	180	..	..	..	..
15	S.S.M. Poly Technic Tirur, Malappuram District	42	41	36	40	..	..	..	..	..	..	..	159	..	..	..	..
16	S. N. Poly Technic Kanhangad, Cannanore District	..	31	..	..	30	..	..	..	..	..	..	61	..	..	..	..
Total		694	714	587	95	60	60	10	..	50	40	30	2340	72	72	72	216

TABLE 7.7

Allotted intake in Engineering Institutions in Kerala for Diploma Courses in Polytechnics 1981-82

Sl.No.	Institution and District	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	Part-time Diploma			Total
																Civil	Mechanical	Electrical	
<i>Government</i>																			
1	Central Poly technic Trivandrum, Trivandrum District	46	43	39	40	..	30	..	..	..	..	..	..	..	198	..	..	..	..
2	Government Poly Technic, Kottayam Kottayam District	33	34	29	..	..	10	..	..	..	..	..	..	30	136	..	..	..	..
3	Government Poly Technic, Kalamassery, Ernakulam District	56	55	47	..	30	..	..	..	..	20	..	..	..	208	..	..	..	..
4	S. R. Poly Technic, Valapad, Trichur District	46	43	39	..	..	..	..	..	..	..	..	..	..	128	..	..	..	..
5	M. T. I. Trichur	50	43	50	..	..	..	..	..	..	..	..	..	..	143	..	..	..	..
6	Government Poly Technic Perinthalmanna, Malappuram District	33	34	29	..	..	..	..	..	..	..	..	..	..	96	..	..	..	..
7	Government Poly Technic Calicut, Calicut District	90	84	74	..	..	..	..	..	..	30	..	..	..	278	..	..	..	..
8	Government Poly Technic, Cannanore Cannanore District	46	43	39	..	..	30	..	..	..	..	..	..	..	158	..	..	..	..
9	Government Poly Technic, Palghat, Palghat District	..	15	..	15	..	..	15	..	..	..	..	..	..	45	..	..	..	..
10	Government Poly Technic, Idukki District	15	15	15	..	..	..	..	..	..	..	..	..	..	45	..	..	..	..
11	Institute of Printing Technology Shoranur, Palghat District	..	..	..	..	..	..	..	..	..	..	..	40	..	40	..	..	..	..
<i>Private</i>																			
12	S. N. Poly Technic, Kottiyam, Quilon District	70	68	60	..	..	..	..	..	..	..	..	..	..	198	..	..	..	..
13	Carnal Poly Technic, Alleppey, Alleppey District	64	62	54	..	..	..	..	..	..	..	..	..	..	180	..	..	..	..
14	N. S. S. Poly Technic, Pandalam, Alleppey District	84	62	54	..	..	..	..	..	..	..	..	..	..	200	..	..	..	..
15	Thyagaraja Poly Technic, Alagappanagar, Trichur District	64	62	54	..	..	..	..	..	..	..	..	..	..	180	..	..	..	..
16	S. S. M. Poly Technic, Tirur, Malappuram District	42	41	36	40	..	..	..	..	..	..	..	..	..	159	..	..	..	..
17	S. N. Poly technic, Kasargod, Cannanore District	..	50	..	..	30	..	..	..	..	..	..	..	..	80	..	..	..	..
Total		739	754	619	95	60	60	10	15	50	40	30	2472	..	..	..	..	..	..

TABLE 7.8

Intake Capacity of Diploma Courses in Women's Polytechnic in Kerala for the year 1980-81 and 1981-82

Name of Institution with District	Costumedesign & dress making		Electronics		Commercial practice		Instrument Technology		Total	
	1980-81	1981-82	1980-81	1981-82	1980-81	1981-82	1980-81	1981-82	1980-81	1981-82
	1. Women's Polytechnic, Trivandrum, Trivandrum District	30	30	50	15	15	95	95
2. Women's Polytechnic, Trichur, Trichur District	30	30	45	45	50	..	..	125	125	..
3. Women's Polytechnic, Calicut, Calicut District	30	30	..	..	50	..	..	80	80	..
Total	90	90	45	45	150	15	15	300	300	..

TABLE 7.9

District-wise total Strength of students in Polytechnic in Kerala 1980-81 (Excluding Women's Polytechnics)

District	Post Diploma			Full Diploma			Part-time Diploma			Certificate			Total strength of students			Total strength of SC/ST.		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Trivandrum	20	..	20	431	123	554	298	2	300	105	78	183	854	203	1057	57	14	71
Quilon	..	..	..	538	50	583	..	..	..	..	..	..	533	50	583	68	10	78
Alleppey	..	..	..	1034	84	1118	..	..	..	..	..	..	1034	84	1118	66	6	72
Kottayam	..	..	..	323	54	377	..	..	..	..	..	..	323	54	377	29	10	39
Idukki	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ernakulam	10	..	10	612	36	648	190	..	190	..	..	..	812	36	848	51	..	51
Trichur	..	..	..	148	161	1309	179	..	179	..	..	..	1327	161	1488	72	7	79
Palghat	..	..	..	113	31	144	..	..	..	..	..	..	113	31	144	10	4	14
Malappuram	..	..	..	724	26	750	..	..	..	..	..	..	724	26	750	33	1	34
Kozhikode	..	..	..	718	23	741	169	..	169	..	..	..	887	23	910	67	1	68
Cannanore	..	..	..	702	22	724	..	..	..	51	2	53	753	24	777	28	2	30
Total	30	..	30	6338	610	6948	836	2	838	156	80	236	7360	692	8052	481	55	536

TABLE 7.10

Strength of students in Women's Polytechnics in Kerala 1980-81

Name of Institution and District	Total strength of students (only girls)	Total strength of SC/ST. students
(1)	(2)	(3)
1. Women's Polytechnic, Trivandrum, Trivandrum District	228	34
2. Women's Polytechnic, Trichur—Trichur District	340	29
3. Women's Polytechnic, Calicut, Calicut District	193	11
Total	761	74

TABLE 7.11

Total strength of Students in various Engineering Colleges of Kerala 1980-81

Sl. No.	Name of College	P. G. Course			Full time degree course			Part-time degree course			Total strength of students			Total strength of SC/ST students		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1.	Engineering College, Trivandrum	69	27	96	901	336	1237	218	7	225	1188	370	1558	56	12	68
2.	Engineering College, Trichur	22	4	26	656	176	832	183	1	184	861	181	1042	51	2	53
3.	T.K.M. College of Engineering, Quilon	..	..	..	712	185	897	..	..	..	712	185	897	37	7	44
4.	M. A. College of Engineering, Kothamangalam	..	..	..	431	103	534	..	..	..	431	103	534	25	2	27
5.	N. S. S. College of Engineering, Palghat	..	..	..	472	82	554	..	..	..	472	82	554	12	1	13
6.	Regional Engineering College, Calicut	8	2	10	1013	89	1102	..	..	..	1021	91	1112	54	2	56
Total		99	33	132	4185	971	5156	401	8	409	4685	1012	5697	235	26	261

TABLE 7.12

District-wise total strength of students in Junior Technical Schools in Kerala 1980-81 (excluding PVTC)

District	Total strength of students			Total strength of SC/ST students		
	Boys	Girls	Total	Boys	Girls	Total
1. Trivandrum	412	31	443	58	6	64
2. Quilon	433	50	483	53	17	70
3. Alleppey	399	6	405	43	..	43
4. Kottayam	379	12	391	40	6	46
5. Idukki	13	..	13	1	..	1
6. Ernakulam	203	37	240	32	6	38
7. Trichur	857	39	896	111	9	120
8. Malappuram	208	13	221	34	6	40
9. Palghat	380	20	400	59	5	64
10. Kozhikode	308	19	327	33	12	45
11. Cannanore	622	47	669	36	7	43
Total	4214	274	4488	500	74	574

TABLE 7.13

Number of I.T.I. /I.T.C. and intake capacity of trainees District-wise as on August 1982

District	Government		Private		Total	
	No. of I.T.I.	Seat strength	No. of I.T.C.	Seat strength	No. of I.T.I./I.T.C.	Total seat strength
Trivandrum	4	2632	28	3460	32	6092
Quilon	1	696	33	6496	34	7192
Alleppey	1	744	39	6468	40	7212
Kottayam	2	864	16	2984	18	3848
Idukki	1	148	6	540	7	688
Ernakulam	1	700	30	4800	31	5500
Trichur	1	740	19	2312	20	3052
Palghat	1	732	3	272	4	1004
Malappuram	1	220	5	432	6	652
Calicut	2	740	9	1096	11	1836
Cannanore	1	808	7	672	8	1480
Wynad	1	16	1	48	2	642
Total Kerala	17	9040	196	29580	213	38620

TABLE 7.14

Distribution of Trainees According to Intake Capacity (sanctioned) in Each Trade in the I.T.I./I.T.C. as on August 1982

Trade	Number of Trainees		
	Government	Private	Total
1. Draftsman (Civil)	432	6160	6592
2. Draftsman (Mechanic)	192	784	976
3. Electrician	656	4688	5344
4. Electroplater	16	..	16
5. Mechanic Radio & Television	480	1648	2128
6. Mechanic Instrument	160	..	160
7. Mechanic Refrigeration & Air Conditioning	336	1328	1664
8. Surveyer	128	160	288
9. Fitter	1008	5792	6800
10. Turner	588	72	660
11. Machinist	588	64	652
12. Mechanic (Motor vehicle)	384	1104	1488
13. Wireman	720	1648	2368
14. Watch & Clock Maker	32	32	64
15. Electronics	496	1568	2064

Trade	Number of Trainees		
	Government	Private	Total
16. Blacksmith	336	48	384
17. Carpenter	384	32	416
18. Mechanic (Diesel)	112	208	320
19. Mechanic (Tractor)	64	..	64
20. Moulder	224	32	256
21. Painter	48	128	176
22. Plumber	256	1584	1840
23. Sheet Metal Worker	272	112	384
24. Welder	696	612	1308
25. Dressmaking	48	32	80
26. Cutting and Tailoring	..	208	208
27. Secretarial Practice	48	64	112
28. Stenography (English)	288	1216	1504
29. Stenography (Hindi)	32	..	32
30. Upholstry	16	48	64
31. Tools & Die Maker	..	96	96
32. Book Binding	..	32	32
33. Printing Mech. Operator	..	32	32
34. Bleaching & Dying	..	32	32
35. Hand Composing and Proof Reading	..	16	16
Total	9040	29580	38620

TABLE 7.15

Distribution of Students Appeared and Passed in Various Engineering Colleges of the State—1979-80 & 1980-81

Sl.No.	Name of Institution	1979-80						1980-81					
		Appeared			Passed			Appeared			Passed		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	Engg. College, Trivandrum	..	..	..	..	..	..	205	49	254	183	41	224
2	T.K.M. College of Engg., Quilon	..	..	..	..	..	..	132	21	153	103	13	116
3	M.A. College of Engg., Kothamangalam	..	..	..	..	..	..	85	14	99	70	14	84
4	Engg. College, Trichur	191	23	214	95	18	113	147	32	179	129	32	161
5	NSS College of Engg., Palghat	86	7	93	59	4	63	92	11	103	80	8	88
6	Regional Engg. College, Calicut	194	9	203	114	9	123	253	12	265	148	12	160
	Total	..	..	..	..	..	..	914	139	1053	713	120	833

Since the final year (8th semester) examination was not conducted in Kerala University during the period 1979-80, the details relating to three colleges under Kerala University are not furnished.

TABLE 7.16

Strength of Teachers in Various Engineering Colleges of the State during 1978-79, 1979-80 and 1980-81

Sl. No.	Name of Institutions	1978-79			1979-80			1980-81		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	Engg. College, Trivandrum	155	36	191	141	38	179	183	45	228
2	T.K.M. College of Engg., Quilon	168	7	175	167	15	182	176	23	204
3	M.A. College of Engg., Kothamangalam	59	4	63	60	5	65	61	10	71
4	Engg. College, Trichur	98	19	117	91	14	105	107	14	121
5	N.S.S. College of Engg., Palghat	70	2	72	62	2	64	66	3	69
6	Regional Engg. College, Calicut	104	2	106	113	4	117	112	6	118
	Total	654	70	724	634	78	712	705	106	811

TABLE 7.17

Strength of Teachers in Polytechnics in Kerala (District-wise) during 1978-79, 1979-80 and 1980-81

District	1978-79			1979-80			1980-81		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1. Trivandrum	72	29	101	80	23	103	74	19	93
2. Quilon	30	12	42	28	7	35	38	16	54
3. Alleppey	68	8	76	81	4	85	84	4	88
4. Kottayam	45	8	53	38	8	46	39	8	47
5. Ernakulam	81	8	89	81	8	89	87	19	106
6. Idukki	..	..	..	1	..	1	2	..	2
7. Trichur	103	39	142	104	35	139	151	22	173
8. Palghat	16	..	16	15	3	18	22	3	25
9. Malappuram	86	6	92	91	9	100	102	7	109
10. Kozhikode	97	8	105	120	8	128	144	6	150
11. Cannanore	56	1	57	69	3	72	71	2	73
Total	654	119	773	708	108	816	814	106	920

TABLE 7.18

Sanctioned and actual intake of Students in Post Graduate Courses in Engineering 1971-72 to 1980-81

Year	Sanctioned intake	Actual intake						Total
		Civil	Mechanical	Electrical	Chemical Engineering	Electronics		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
1971-72	85	22	28	33	6	..	89	
1972-73	104	..	..	..	..	..	..
1973-74	114	20	21	20	6	10	77	
1974-75	114	14	15	15	6	6	56	
1975-76	112	19	23	22	6	6	76	
1976-77	112	19	24	23	6	5	77	
1977-78	112	20	25	21	6	4	76	
1978-79	112	18	26	36	6	2	88	
1979-80	112	24	24	28	4	1	81	
1980-81	112	32	29	33	6	6	106	

Source: Directorate of Technical Education.

TABLE 7.19

Intake of Students for the B.Sc. (Engineering) Courses—Branch-wise 1970-71 to 1981-1982

Year	Sanctioned intake	Branch-wise actual intake										Total
		Civil	Mechanical	Electrical	Electronics and Telecommunication	Architecture	Chemical	Production cum Plant Engineering	Production Engineering	Instrumentation and Control systems	Applied Electronics	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1970-71	836	83	317	216	10	45	45	..	..	..	..	716
1971-72	830	96	279	172	5	45	45	..	..	..	..	642
1972-73	830	95	275	181	43	45	45	..	..	..	..	684
1973-74	922	267	287	287	45	10	36	..	..	..	..	932
1974-75	932	260	264	230	45	15	40	..	..	..	..	854
1975-76	937	270	268	267	45	11	40	..	..	..	..	901
1976-77	1023	260	304	267	46	15	40	..	..	..	..	932
1977-78	1112	316	341	330	75	15	40	..	..	..	..	1117
1978-79	1152	351	366	322	75	14	35	..	..	..	..	1163
1979-80	1311	392	428	385	79	17	50	15	..	..	..	1366
1980-81	1535	464	461	376	112	21	62	15	10	15	..	1536
1981-82	1905	560	570	495	115	30	65	25	15	15	15	1905

Note: 1977-78 onwards including the students in REC.

Source: Directorate of Technical Education.

TABLE 7.20

Outturn of Engineering Graduates—Branch-wise 1971-72 to 1978-79

Year	Branch-wise outturn						Total
	Civil	Mechanical	Electrical	Architecture	Electronics & Telecommunication	Chemical Engineering	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1971-72	80	234	162	18	29	29	552
1972-73	67	230	80	8	22	20	527
1973-74	57	245	185	..	28	29	544
1974-75	45	180	115	3	38	33	414
1975-76	197	311	231	8	17	15	779
1976-77	188	216	196	3	37	30	670
1977-78	247	255	251	11	42	37	843
1978-79	264	294	263	13	48	35	917
1979-80	..	..	..	..	..	..	..
1980-81	234	304	215	14	39	27	8330*

*Excluding Supplementary List.

Note: Final Examination was not conducted during 1979-80 in Engineering Colleges under the Kerala University.

Source: Directorate of Technical Education.

TABLE 7.21

Intake of Diploma Holders—Branch-wise 1970-71 to 1981-82

Year	Sanctioned intake	Civil	Mechanical	Electrical	Electronics & Telecommunication	Textile Technology	Automobile	Chemical Engineering Technology	Instrumentation	Commercial practice	Polymer Technology	Printing Technology	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1970-71	2179	568	587	484	60	60	60	50	..	..	..	30	1899
1971-72	2215	561	591	495	85	60	59	50	..	..	..	30	1931
1972-73	2124	..	1577	..	90	60	60	50	15	..	..	30	1882
1973-74	2124	..	1395	..	101	63	60	50	15	..	..	30	1714
1974-75	2129	..	1568	..	92	60	50	50	15	..	..	30	1865
1975-76	2490	654	641	616	125	60	50	50	15	24	..	30	2265
1976-77	2411	547	535	525	125	61	50	50	15	..	..	30	1938
1977-78	2579	..	1746	..	125	53	60	50	15	20	..	30	2099
1978-79	2802	684	660	519	122	63	61	49	15	23	10	30	2236
1979-80	2825	670	685	593	119	60	56	47	15	22	10	40	2317
1980-81	2640	694	714	587	95	60	60	50	..	30	10	40	2340
1981-82	2772	739	754	619	95	60	60	50	15	30	10	40	2472

TABLE 7.22

Out turn of Diploma Holders—Branch-wise 1970-71 to 1978-79

Year	Branch-wise actual out-turn								Total
	Civil	Mechanical	Electrical	Telecommuni- cation	Chemical Engineering	Chemical Technology	Automobile Engineering	Textile Technology	
1970-71	233	383	291	28	22	21	35	23	1036
1971-72	134	293	225	32	18	11	35	24	772
1972-73	110	200	185	16	10	11	21	26	579
1973-74	124	145	175	15	10	7	3	21	502
1974-75	87	139	132	13	3	8	24	29	435
1975-76	303	240	362	71	15	15	25	36	1067
1976-77	223	220	378	45	13	17	34	35	965
1977-78	432	345	418	97	34		27	36	1389*
1978-79	395	365	388	107	45		34	43	1377*
1979-80	..	..	..	..	..	..	..	..	..
1980-81	..	..	..	..	..	..	..	..	..

Note: *Including Supplementary result also.

Source: Directorate of Technical Education.

TABLE 7.23

Number and sanctioned intake of various Technical Institutions in Kerala 1978-79, 1979-80 and 1980-81

	1978-79		1979-80		1980-81	
	Number of Institution	Sancti- oned intake	No. of Insti- tution	Sancti- oned intake	No. of insti- tution	Sanc- tioned intake
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. Engineering College	6	1324	6	1486	6	1782
2. Polytechnics—general	14	2587	16	2601	16	2632
3. Polytechnics Institute of Printing Technology	1	30	1	40	1	40
4. Women's Polytechnics	3	300	3	300	3	300
5. College of Fine Arts	1	30	1	30	1	30
6. Institute of Fine Arts	2	165	2	230	2	230
7. Junior Technical Schools	21	1390	21	1390	25	1980
8. Pre-vocational Training Centre	4	120	13	390	13	390
9. Government Industrial School	2	40	2	40	2	40
10. Commercial Institute	4	210	4	210	6	330
11. T.G.M.T. Centre	11	320	22	540	22	540
12. Tailoring Trade School	2	40	2	40	2	40

	(1)	(2)	(3)	(4)
13. Tailoring Training Centre	7	140	7	140
14. Weaving Training Centre	1	20	1	20
15. Composing and Printing Centre	1	30	1	30
16. Book Binding Centre	2	60	2	60
17. Rattan Training Centre	1	15	1	15
18. Food Craft Institute	1	220	1	220
19. Food Craft Extension Centre	..	..	1	80

TABLE 7.24

Intake and outturn of Medical graduates (M.B.B.S.) from the Medical Colleges in Kerala 1971-82

Year	Number of Colleges	Intake	Outturn
1971	4	542	426
1972	4	543	488
1973	4	541	486
1974	4	521	483
1975	4	525	464
1976	4	525	546
1977	4	525	466
1978	4	525	572
1979	4	555	427
1980	4	600	474
1981	4	600	595
1982	5	700	454

Source: Directorate of Health Services.

TABLE 7.25

Post-graduate course in Medical Colleges and sanctioned intake capacity 1980-81

Sl. No.	Name of course	Number of seats			
		Tvm.	Qn.	Kzd.	Total
1.	M.D. General Medicine	13	2	6	21
2.	M.D. Obstetrics & Gynaecology	8	2	4	14
3.	M.D. Paediatrics	3	3	3	9
4.	M.S. Anatomy	2	..	2	4
5.	M.D. Physiology	2	2	3	7
6.	M.D. Biochemistry	2	..	2	4
7.	M.D. Pharmacology	4	..	2	6
8.	M.D. Pathology	6	..	2	8
9.	M.D. Forensic Medicine	2	..	2	4
10.	M.S. General Surgery	20	2	6	28
11.	M.S. Ophthalmology	4	..	2	6
12.	M.S. Orthopaedics	2	..	2	4
13.	M.D. Microbiology	2	..	2	4
14.	M.D. Social and Preventive Medicine	3	..	2	5
15.	M.D. Anaesthesia	4	1	1	6
16.	M.D. Radio diagnosis	2	..	..	2
17.	M.D. Radiotherapy	2	..	..	2
18.	M.D. Dermatology & Venereology	2	..	2	4
19.	M.S.E.N.T.	2	..	2	4

Source: D.H.S., Trivandrum.

TABLE 7.26

Post-graduate Diploma courses in the Medical College and sanctioned intake 1980-81

Sl. No.	Name of course	Number of seats			
		Tvm.	Qn.	Kzd.	Total
(1)	(2)	(3)			
1.	Diploma in Clinical Pathology	3	..	4	7
2.	Diploma in Gynaecology and Obstetrics	6	6	8	20
3.	Diploma in Child Health	6	6	6	18
4.	Diploma in Ophthalmology	3	..	6	9
5.	Diploma in Orthopaedic Surgery	3	..	4	7
6.	Diploma in Laryngology & Otology	3	..	3	6
7.	Diploma in Public Health	12	..	..	12
8.	Diploma in Anaesthesiology	8	6	2	16

(1)	(2)	(3)			
9.	Diploma in Dermatology and Venereology	..	2	2	
10.	Diploma in Psychiatric Medicine	6	..	6	
11.	Diploma in Physical Medicine & Rehabilitation	4	..	4	
12.	D.T.C.D.	2	..	2	4
13.	D.M.R.D.	..	..	2	2
14.	D.M.R.T.	..	..	2	2

Source: D.H.S., Trivandrum.

TABLE 7.27

Paramedical graduate courses in Kerala 1980-81 & 1981-82

Name of college	Name of courses	Number of seats	
		1980-81	1981-82
Medical College, Trivandrum	B.D.S.	30	40
	B. Pharm	25	25
	B.Sc. Nursing	25	25
Medical College, Calicut.	B.D.S.	..	30
	B.Sc. Nursing	..	25

Source: D.H.S., Trivandrum

TABLE 7.28

Other Para-medical certificate courses in different centres and sanctioned intake in 1980-81

I. Health worker (F) Training Courses:—

(a) Health Worker (F) Schools (Private)	Sanctioned intake
1. L.M.S.B.B. Hospital, Kundara	15
2. N.S.S. Medical Mission, Pandalam	30
3. St. Thomas Mission Hospital, Kattanam	30
4. I.H. M. Hospital, Bharananganam	15
5. Lourdes Hospital, Kidangoor	15
6. N.S.S. Medical Mission, Kummannoor	15
7. S.N. Medical Mission Hospital, Sherthalai	30
8. S.N. Trust Medical, mission Quilon	20
9. S.S.N. Mission Hospital, Varkala	29
10. M.G.D.M. Hospital, Kangazha	15
11. K.V.M.S. Hospital, Ponkunnam	15
12. Pushpagiri Hospital, Thiruvalla	30
	259
(b) Health Workers' Government Schools	
1. Health Workers School, Quilon	35
2. Health Workers School, Kottayam	38
3. Health Workers School, Trichur	32
4. Health Workers School, Malappuram	35
	140

	Sanctioned intake	Government Schools	Intake
(c) Health supervisions (F) Training at Public Health Training School, Trivandrum	30		
II Nursing Course			
(a) Hospitals attached private Nursing Schools			
1. S.R.K. Ashramam Charitable Hospital, Sasthamangalam, Trivandrum	15	1. School of Nursing, Trivandrum	27
2. Sivagiri Sree Narayana Medical Mission, Varkala	10	2. School of Nursing, Quilon	30
3. Benzigar Hospital, Beach Road, Quilon	30	3. School of Nursing, Alleppey	25
4. S.N. Trust Medical Mission, Quilon	20	4. School of Nursing, Kottayam	28
5. Holy cross Hospital, Kottiyam P.O., Quilon	40	5. School of Nursing, Ernakulam	27
6. St. Thomas Mission Hospital, Kattanam, Kayamkulam	17	6. School of Nursing, Trichur	26
7. N.S.S. Medical Mission Hospital, Pandalam	20	7. School of Nursing, Palghat	22
8. Puspagiri Hospital, Thiruvalla	30	8. School of Nursing, Kozhikode	49
9. Thiruvalla Medical Mission, Thiruvalla	40	9. School of Nursing, Cannanore	36
10. St. Thomas Hospital, Chettipuzha, Changanacherry	20		<hr/> 270 <hr/>
11. M.G.D.M. Hospital, Devagiri, Kangazha, Kanjirampara	30	III Medical Laboratory Technician Course	
12. Karithas Hospital, Thallakom P.O. Kottayam	24	1. Medical College, Trivandrum	24
13. Mandiram Hospital, Manganam P.O., Kottayam	17	2. Medical College, Calicut	30
14. St. Mary's Hospital, Manarcaud, Kottayam	12	3. Mundakapadam, Mandiram Hospital, Manganam, Kottayam	10
15. IBM Hospital, Bharananganam	20	4. Nirmala Hospital, Mankunnu P.O., Calicut	4
16. Holy Ghost Mission Hospital, Muthuchira, Kottayam	10	5. Jubilee Mission Hospital, Trichur	10
17. S.R. General Hospital, Green Gardens, Sherthalai	20	6. Samaritan Hospital, School of Medical Technology, Kizhekkumbalam, Alwaye	10
18. St. Joseph Hospital, Dharmagiri, Kothamangalam	25	7. M.G.D.M. Hospital, Kangazha, Kottayam	6
19. Mar Baselions Medical Mission Hospital, Kothamangalam	12	8. Lisie Medical Mission Hospital, Ernakulam	14
20. M.O.S.C.H.M. Hospital, Kolencherry, Ernakulam District	30		<hr/> 108 <hr/>
21. Lisie Hospital, Ernakulam, Cochin-18	36	IV Pharmacist Course	
22. Lourdes Hospital, Ernakulam	24	1. Medical College, Alleppey	25
23. Medical Trust Hospital, Ernakulam	30	2. Medical College, Kottayam	30
24. Mar Augustine Jubilee Hospital, Edappally, Cochin-24	17	3. Medical College, Calicut	40
25. Samaritan Hospital, Arogyapuram, Kizhekkumbalam	20	4. Medical College, Trivandrum	24
26. Little Flower Hospital, Angamaly	30		<hr/> 119 <hr/>
27. Sacred Heart Hospital, P.O. Pulloor, Irringalakkuda	15	V Health Inspector Training Course	
28. Elite Mission Hospital Koorkancheri, Trichur-5	20	1. Medical College, Trivandrum	70
29. Jubilee Mission Hospital, Trichur	25	2. Medical College, Kottayam	60
30. St. Joseph's Hospital, Choodal, Trichur	15	3. Medical College Calicut	70
31. Mata Connes Hospital, Puzhakal, Trichur	10		<hr/> 200 <hr/>
32. Bishop Allapat Hospital, Karanchira, Trichur	10	VI Dental Mechanic Course	
33. Nirmala Hospital, Marikunnu, Calicut	25	Dental College, Trivandrum	5
34. PVS Hospital, Rly. Station Road, Calicut	10	VII Certified Radiological Assistants Course	
35. Malik Deevan Chartitable Hospital, Kasargod	15	Medical College, Trivandrum	20
36. St. John's Hospital, Kattappana	15	VIII Diploma course for Ophthalmic Assistants	
37. Holy Family Hospital, Thodupuzha	15	School of Optometry, Trivandrum	20
38. Lal Memorial Hospital, Irringalakkuda	10	IX T.B. Health Visitor Course	
39. Janatha Hospital, Badagara	10	1. T.B. Centre, Trivandrum	Number seats as per requirement
40. Koyili Hospital, Cannanore	10	X Leprosy Health Visitors' Centre	
41. Mary Queen Mission Hospital, Kanjirappally	15	Leprosy Training Centre, Noornad, Alleppey	30
42. St. Martins Hospital, Cherukunnu	15		
43. Marian Medical Centre, Palai	15		

TABLE 7.29

Intake and out-turn of Degree and Diploma holders in Ayurveda 1970-71 to 1980-81

Year	Sanctioned intake		Actual intake		Out-turn	
	BAM	DAM	BAM	DAM	BAM	DAM
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1970-71	50	140	50	140	25	59
1971-72	80	40	80	40	23	51
1972-73	110	..	110	discontinued from 1971-72 onwards	21	51
1973-74	110	..	111	..	11	51
1974-75	110	..	110	..	38	66
1975-76	110	..	110	..	36	..
1976-77	110	..	110	..	45	..
1977-78	140	..	140	..	78	..
1978-79	140	..	140	..	40	..
1979-80	140	..	140	..	42	..
1980-81	140	..	140	..	32	..

Source: Directorate of Indian systems of Medicine, Trivandrum.

TABLE 7.30

Ayurveda Colleges and Research Centres and Sanctioned intake in different courses of studies—1980-81

Name of Institution	Course of study	Sanctioned intake
(1)	(2)	(3)
1. Post graduate research centre, Poojappura, Trivandrum	M.D. (Ayurveda) (Kayachikitsa)	20
	M.D. (Ayurveda) (Dravyaguna)	20
2. Government Ayurveda College, Trivandrum	DAM	50
3. Government Ayurveda College, Trippunithura	BAM	30
4. Ayurveda College, Kottakkal (Private)	BAM	30
5. Ayurveda College, Shoranur (Private)	BAM	30

Source: Directorate of Indian Systems of Medicine, Trivandrum.

TABLE 7.31

Homeopathic colleges in the State and Sanctioned intake 1981-82

Name of Institution	Course of study	Sanctioned intake
(1)	(2)	(3)
1. Athurashramam NSS Homoeo Medical College, Kurichy, Kottayam	D.H.M.S	100
2. Sree, Vidyadhiraja, Homoeo Medical College, Trivandrum	D.H.M.S	60
3. Dr. Padiar Memorial Homoeopathic medical college, Ernakulam	D.H.M.S	60
4. Government Homoeopathic Medical College, Kozhikode	B.H.M.S.	50

Source: Directorate of Homeopathic Medicine, Trivandrum.

TABLE 7.32

Institutions for studies in Agricultural and Veterinary subjects and intake capacity 1981-82

Name of Institution	Course of study	Actual Intake
(1)	(2)	(3)
1. College of Agriculture vellayani, Trivandrum	(a) B.Sc. (Agriculture)	74
	(b) M.Sc. (Agriculture)	36
	(c) Phd. (Agriculture)	5
2. College of Horticulture, Vellanikara	(a) B.Sc. (Agriculture)	76
	(b) M.Sc. (Agriculture)	21
	(c) Phd. (Agriculture)	3
	(d) B.Sc. (Horticulture)	40
	(e) M.Sc. (Horticulture)	14
	(f) PHD (Horticulture)	6
3. College of Veterinary and Animal Science Mannuthy, Trichur	(a) BVSC & A.H.	80
	(b) MVSc.	18
	(c) PHD (Veterinary and Animal Science)	3

Source:

TABLE 7.33

Intake and Out-turn of Agricultural (Agri. + Horticulture) graduates and post graduates—1970-71 to 1980-81*

Year	Actual Intake			Out-turn		
	B.Sc. (Agri. + Horti.)	MSC. (Agri. + Horti.)	Ph.D. (Agri. + Horti.)	B.Sc. (Agri. + Horti.)	M.Sc. (Agri. + Horti.)	Ph.D.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1970-71	58	21	..	52	20	..
1971-72	50	..	..	32	22	2
1972-73	83	24	..	60	17	..
1973-74	102	24	10	70	..	..
1974-75	103	10	18	51	..	..
1975-76	110	17	11	63	19	..
1976-77	142	54	7	63	17	..
1977-78	140	49	7	97	17	2
1978-79	159	82	8	97	35	3
1979-80	189	74	10	123	29	4
1980-81	168	66	17	114	51	2

Note: 4 year B.Sc. (Horticulture) started in 1972-73 at Mannuthy. The duration of the Agriculture graduates course has been enhanced from 3 years to 4 years from 1972 onwards.
*Provisional

TABLE 7.34

**Intake and out turn of veterinary graduates and
post graduates***

Year	Actual Intake			Out turn		
	B.VSc.	MVSc.	Ph.D.	B.VSc.	M.VSc.	Ph.D.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1970-71	39	6	..	36	7	..
1971-72	40	7	..	42	8	..
1972-73	46	..	..	40	..	..
1973-74	42	18	2	21	..	..
1974-75	44	13	2	37	..	..
1975-76	43	10	2	24	7	..
1976-77	53	19	..	31	15	..
1977-78	54	24	2	20	18	..
1978-79	61	25	8	38	13	1
1979-80	70	36	2	47	12	2
1980-81	77	18	..	50	12	2

*Provisional

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TABLE

of the results of the experiments on the
effect of the temperature on the
rate of the reaction

Time (min)	Temperature (°C)		Rate of reaction
	(1)	(2)	
0	20	20	0
5	20	25	0.1
10	20	30	0.2
15	20	35	0.3
20	20	40	0.4
25	20	45	0.5
30	20	50	0.6
35	20	55	0.7
40	20	60	0.8
45	20	65	0.9
50	20	70	1.0
55	20	75	1.1
60	20	80	1.2
65	20	85	1.3
70	20	90	1.4
75	20	95	1.5
80	20	100	1.6
85	20	105	1.7
90	20	110	1.8
95	20	115	1.9
100	20	120	2.0

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