



FACT BOOK
ON
MANPOWER
FOR
GOA, DAMAN & DIU
(PART III)

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DEPARTMENT OF PLANNING & STATISTICS
GOVERNMENT OF GOA, DAMAN AND DIU



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P R E F A C E

This issue of the Fact Book on Manpower is the second in the series brought out by this Department. Manpower Planning means the total process by which proper development and wise utilisation of human resources of a nation is achieved in attaining the objective to which the nation has committed itself. For the purpose of developing manpower resources and to meet the needs of developing economy, it is essential that basic data on manpower and manpower - resources are presented systematically for the benefit of planners and administrators.

An attempt has been made in this publication to provide the available manpower statistics relating to this Territory and it is hoped that this publication would be of great utility to all those engaged on manpower planning and also on the study of manpower problems.

Part I of this publication has already been published in February, 1979. This volume presents Part III : Scientific and Technical Personnel. The remaining Part II : Education and Training is being printed separately and will be brought out shortly.

The Department of Planning & Statistics takes this opportunity to thank the different Departments of this Administration for the kind co-operation they have extended in bringing out this publication.

Panaji,
November, 1979.

S. K. GANDHE
Director of Planning and Statistics.

ABBREVIATIONS

- = Nil Information
- N.A. = Data not Available
- P. = Provisional

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PART III

SCIENTIFIC AND TECHNICAL PERSONNEL

SECTION - 1

Engineering and Technological Personnel

Engineers and technologists constitute an important category of professional and technical personnel of this Territory. The data regarding their stock, geographical and demographical distribution, employment and unemployment are presented in this section. The data on engineering and technological personnel are mainly compiled from 1971 Census publications.

In 1971 Census information regarding occupation was sought from all the workers and the occupations reported were coded according to N. C. O. 1968, for persons at work other than cultivation. The occupations relevant to engineering and technological personnel were considered while giving the figures of their stock, industrial and occupational distribution in the tables of this section. The occupations selected are:

N.C.O. Code No.	Occupations
020	Architects & Town Planners
021	Civil Engineers
022	Electrical & Electronic Engineers
023	Mechanical Engineers
024	Chemical Engineers
025	Metallurgists
026	Mining Engineers
027	Industrial Engineers
028	Surveyors
029	Architects, Engineers, Technologists & Surveyors n. e. c.
031	Civil Engineering Overseers and Technicians
032	Electrical & Electronic Engineer Overseers and Technicians
033	Mechanical Engineering Technicians
034	Chemical Engineering Technicians
035	Metallurgical Technicians
036	Mining Technicians
037	Survey Technicians
039	Engineering Technicians n. e. c.
041	Flight Engineers
044	Ship Engineers
049	Aircraft Engineers n. e. c.

It may be mentioned that engineering and technological personnel tabulated for the 1971 Census are those who are engaged in engineering and technological occupations irrespective of the fact whether they have or do not have degree/diploma.

Table 1.1 deals with the stock of engineering and technological personnel according to different occupations and locations. Distribution of personnel in urban areas who are having degree may be seen in Table 1.2 Distribution of persons by Census Industrial category and sex together with its percentage distribution, separately for rural and urban areas may be seen in tables 1.3 and 1.4.

Table 1.5 deals with the engineering and technological in rural and urban areas in each occupation by Census Industrial category while in tables no. 1.6, 1.7 and 1.8, the percentage distribution in each Census Industrial category by occupation for the total, rural and urban areas, is shown respectively. Similarly the percentage distribution of the same personnel in each occupation by Census Industrial category for the total, rural and urban workers is presented in tables no. 1.9, 1.10 and 1.11, respectively.

Table 1.12 shows unemployment among engineering degree and diploma holders on the Live Register of Employment Exchange by various types of occupation.

Tables 1.13 to 1.25 are compiled from the census publication. Degree Holders and Technical Personnel Part VII (i) and Part VII (ii). Table 1.13 deals with the Engineering and Technological personnel by educational level and by sex.

Table 1.14 presents the data in respect of degree holders in Engineering and Technological personnel by countries of their education. The data are further cross classified by Level of education and sex. Table 1.15 represents the percentage distribution of the same.

Table 1.16 represents the two way classification of Degree holders in Engineering and Technological personnel i. e. by educational level and status. The educational level includes 1 unspecified person also. Table 1.17 gives the percentage distribution of the same.

Table 1.18 covers the data of the employed degree holders in engineering and technological personnel other than self-employed. The same are further classified by type of organisation, sector of employment and by sex. (1 unspecified person is also included in educational level). Table 1.19 gives the percentage distribution of the same.

Table 1.20 gives the three way classification of the employed Degree holders in Engineering and Technological personnel. Here the Degree holders are classified by age groups

sector of employment and by monthly emoluments. In this table two more organisations i. e. (1) Other educational institutions and (2) Research and development organisation are added. Table No. 1.21 gives the percentage distribution of the same. Table 1.22 presents data in regard to the unemployed technical personnel with Engineering and Technology qualifications, further cross-classified by degrees and diploma levels and by subject of such degree and diploma. In both the levels namely degree and above, and Diploma, data are given for unemployed, technical personnel trying for jobs and unemployed. Technical personnel not trying for job. Table 1.23 gives the percentage distribution of the same.

Table 1.24 presents the data only of the unemployed Degree holders and Technical personnel who are seeking employment and presents data by level of Education and duration of unemployment in months.

TABLE 1.1

Engineering and Technological Personnel working in Rural and Urban Areas of Goa, Daman and Diu by Branches and Sex, According to 1971 Census

Branch	Rural			Urban			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
020 - Architects & Town Planners	3	3	-	51	50	1	54	53	1
021 - Civil Engineers	54	54	-	228	228	-	282	282	-
022 - Electrical & Electronic Engineers	33	33	-	109	108	1	142	141	1
023 - Mechanical Engineers ...	40	40	-	129	129	-	169	169	-
024 - Chemical Engineers ...	1	1	-	4	4	-	5	5	-
025 - Metallurgists	-	-	-	-	-	-	-	-	-
026 - Mining Engineers	61	61	-	27	27	-	88	88	-
027 - Industrial Engineers	-	-	-	1	1	-	1	1	-
028 - Surveyors	18	18	-	13	13	-	31	31	-
029 - Architects, Engineers, Technologists & Surveyors n. e. c.	6	6	-	3	3	-	9	9	-
031 - Civil Engineering, Overseers and Technicians ...	5	5	-	28	28	-	33	33	-
032 - Electrical & Electronic Engineering Overseers & Technicians	1	1	-	6	6	-	7	7	-
033 - Mechanical Engineering Technicians	2	2	-	7	7	-	9	9	-
034 - Chemical Engineering Technicians	1	1	-	1	1	-	2	2	-
035 - Metallurgical Technicians	-	-	-	2	2	-	2	2	-
036 - Mining Technicians	-	-	-	6	6	-	6	6	-
037 - Survey Technicians	265	265	-	121	120	1	386	385	1
039 - Engineering Technicians n. e. c.	-	-	-	9	9	-	9	9	-
041 - Flight Engineers	2	2	-	-	-	-	2	2	-
044 - Ship Engineers	-	-	-	117	117	-	117	117	-
049 - Aircraft Engineers n. e. c.	-	-	-	-	-	-	-	-	-
Total	492	492	-	862	859	3	1354	1351	3

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 1.2

Distribution of Persons Holding Degree in Engineering and Technology in Urban Areas of Goa, Daman and Diu by Census Industrial Category 1971

1971 Census Industrial Category	Engineering and Technology	
	Number	Percent
1	2	3
I. Cultivators	1	0.20
II. Agricultural Labourers	—	—
III. Livestock, Forestry, Fishing, Hunting and Plantation orchards and allied activities	2	0.39
IV. Mining and Quarrying	19	3.72
V. Manufacturing, Processing, Servicing and repairs:		
a) Household Industry		
b) Other than household Industry	46	9.00
VI. Construction	136	26.61
VII. Trade & Commerce	98	19.18
VIII. Transport, Storage & Communication	83	16.24
IX. Other Services	126	24.66
Total	511	100.00

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 1.3

Distribution of persons Engaged in Engineering and Technological Occupations in Rural and Urban Areas of Goa, Daman and Diu by Census Industrial category and Sex, 1971

1971 Census industrial	Rural			Urban			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
III. Livestock, Forestry, Fishing, Hunting & Plantations orchards and allied activities	-	-	-	2	2	-	2	2	-
IV. Mining & Quarrying ...	94	94	-	25	25	-	119	119	-
V. (b) Manufacturing, processing, Servicing & Repairs other than household Industry	25	25	-	67	67	-	92	92	-
VI. Construction	40	40	-	205	205	-	245	245	-
VII. Trade and Commerce ...	26	26	-	120	119	1	146	145	1
VIII. Transport, Storage and Communications	12	12	-	177	177	-	189	189	-
IX. Other Services	295	295	-	266	264	2	561	559	2
Total	492	492	-	862	859	3	1354	1351	3

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 1.4

Percentage Distribution of Persons Engaged in Engineering and Technological Occupations in Rural and Urban Areas of Goa, Daman and Diu by Census Industrial Category and Sex, 1971

1971 Census industrial	Rural			Urban			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
III. Livestock, Forestry, Fishing, Hunting & Plantations orchards and allied activities ...	—	—	—	0.23	0.23	—	0.15	0.15	—
IV. Mining & Quarrying	19.11	19.11	—	2.90	2.91	—	8.79	8.81	—
V. (b) Manufacturing, processing, servicing & repairs other than household Industry	5.08	5.08	—	7.77	7.80	—	6.80	6.81	—
VI. Construction	8.13	8.13	—	23.78	23.87	—	18.09	18.13	—
VII. Trade and Commerce	5.28	5.28	—	13.92	13.85	33.33	10.78	10.73	33.33
VIII. Transport Storage and Communication	2.44	2.44	—	20.54	20.61	—	13.96	13.99	—
IX. Other Services ..	59.96	59.96	—	30.86	30.73	66.67	41.43	41.38	66.67
Total ...	100.00	100.00	—	100.00	100.00	100.00	100.00	100.00	100.00
	492	492	—	862	859	3	1354	1351	3

Source: -- Census of India 1971. Goa, Daman and Diu.

TABLE 1.5

**Engineering and Technological Personnel in Rural and Urban Areas of
Goa, Daman and Diu, in each Occupation by Census
Industrial Category, 1971**

1971 Census Industrial Category/ Occupation		III	IV	V(b)	VI	VII	VIII	IX	Total
		Livestock, forestry, hunting and planta- tions, orchards and allied activities	Mining and quarring	Manufacturing, pro- cessing, servicing, re- pairs other than household industry	Construction	Trade and commerce	Transport storage and communications	Other services	
		2	3	4	5	6	7	8	9
020 - Architects & Town Plan- ners	T	-	-	-	16	23	-	15	54
	R	-	-	-	-	2	-	1	3
	U	-	-	-	16	21	-	14	51
021 - Civil Engineers	T	1	3	3	170	44	17	44	282
	R	-	3	-	29	8	1	13	54
	U	1	-	3	141	36	16	31	228
022 - Electrical & Electronic Engineers	T	-	5	17	10	16	16	78	142
	R	-	4	4	1	7	2	15	33
	U	-	1	13	9	9	14	63	109
023 - Mechanical Engineers ...	T	-	17	56	23	37	23	13	169
	R	-	11	13	5	6	3	2	40
	U	-	6	43	18	31	20	11	129
024 - Chemical Engineers	T	-	-	3	1	1	-	-	5
	R	-	-	1	-	-	-	-	1
	U	-	-	2	1	1	-	-	4
025 - Metallurgists	T	-	-	-	-	-	-	-	-
	R	-	-	-	-	-	-	-	-
	U	-	-	-	-	-	-	-	-
026 - Mining Engineers	T	-	74	-	-	13	-	1	88
	R	-	61	-	-	-	-	-	61
	U	-	13	-	-	13	-	1	27
027 - Industrial Engineers	T	-	-	-	-	-	-	1	1
	R	-	-	-	-	-	-	-	-
	U	-	-	-	-	-	-	1	1
028 - Surveyors	T	-	16	-	2	3	3	7	31
	R	-	15	-	-	-	-	3	18
	U	-	1	-	2	3	3	4	13
029 - Architects, Engineers, Technologists & Surve- yors n. e. c.	T	-	-	9	-	-	-	-	9
	R	-	-	6	-	-	-	-	6
	U	-	-	3	-	-	-	-	3
031 - Civil Engineers, Over- seers and Technicians ...	T	-	-	1	17	2	-	13	33
	R	-	-	-	3	2	-	-	5
	U	-	-	1	14	-	-	13	28
032 - Electrical & Electronic Engineering Overseers & Technicians	T	-	-	1	-	-	2	4	7
	R	-	-	1	-	-	-	-	1
	U	-	-	-	-	-	2	4	6

**Engineering and Technological Personnel in Rural and Urban Areas of
Goa, Daman and Diu, in each Occupation by Census
Industrial Category, 1971 (Concl'd.)**

1971 Census Industrial Category/ Occupation		III	IV	V	VI	VII	VIII	IX	Total
		Livestock, forestry, hunting and planta- tions, orchards and allied activities	Mining and quarring	Manufacturing, pro- cessing, servicing, re- pairs, other than household industry	Construction	Trade and commerce	Transport storage and communications	Other services	
1		2	3	4	5	6	7	8	9
033 - Mechanical Engineering Technicians	T	-	-	-	1	2	3	3	9
	R	-	-	-	1	1	-	-	2
	U	-	-	-	-	1	3	3	7
034 - Chemical Engineering Technicians	T	-	-	1	-	-	-	1	2
	R	-	-	-	-	-	-	1	1
	U	-	-	1	-	-	-	-	1
035 - Metallurgical Technicians	T	-	-	-	2	-	-	-	2
	R	-	-	-	-	-	-	-	-
	U	-	-	-	2	-	-	-	2
036 - Mining Technicians	T	-	4	-	-	2	-	-	6
	R	-	-	-	-	-	-	-	-
	U	-	4	-	-	2	-	-	6
037 - Survey Technicians	T	1	-	-	2	3	8	372	486
	R	-	-	-	1	-	4	260	265
	U	1	-	-	1	3	4	112	121
039 - Engineering Technicians	T	-	-	-	1	-	-	8	9
	R	-	-	-	-	-	-	-	-
	U	-	-	-	1	-	-	8	9
041 - Flight Engineers	T	-	-	-	-	-	2	-	2
	R	-	-	-	-	-	2	-	2
	U	-	-	-	-	-	-	-	-
044 - Ship Engineers	T	-	-	1	-	-	115	1	117
	R	-	-	-	-	-	-	-	-
	U	-	-	1	-	-	115	1	117
049 - Aircraft Engineers	T	-	-	-	-	-	-	-	-
	R	-	-	-	-	-	-	-	-
	U	-	-	-	-	-	-	-	-
Total	T	2	119	92	245	146	189	561	1354
	R	-	94	25	40	26	12	295	492
	U	2	25	67	205	120	177	266	862

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 1.6

Percentage Distribution of Engineering and Technological Personnel in Goa, Daman and Diu in Census Industrial Category by Occupations, 1971

1971 Census Industrial Category/ Occupation	III	IV	V(b)	VI	VII	VIII	IX	Total
	Livestock, forestry, fishing, hunting & plantations, orchard and allied activities	Mining and quarrying	Manufacturing, processing, servicing & repairs other than household industry	Construction	Trade and commerce	Transport, storage and communication	Other services	
1	2	3	4	5	6	7	8	9
020 - Architects and Town Planners	-	-	-	6.53	15.75	-	2.67	3.99
921 - Civil Engineer	100.00	2.52	3.26	69.39	30.14	8.99	7.84	20.83
022 - Electrical and Electronic Engineer	-	4.20	18.48	4.08	10.96	8.47	13.90	10.49
023 - Mechanical Engineers	-	14.29	60.87	9.39	25.34	12.17	2.32	12.48
024 - Chemical Engineers	-	-	3.26	0.41	0.69	-	-	0.37
025 - Metallurgists	-	-	-	-	-	-	-	-
026 - Mining Engineers	-	62.18	-	-	8.91	-	0.18	6.50
027 - Industrial Engineers	-	-	-	-	-	-	0.18	0.97
028 - Surveyors	-	13.45	-	0.82	2.05	1.59	1.25	2.29
029 - Architects, Engineers, Technologists Surveyors, n. e. c.	-	-	9.77	6.94	-	-	-	0.66
031 - Civil Engineering Overseas and Technicians	-	-	1.09	-	1.37	-	2.32	2.44
032 - Electrical and Electronic Engineering Overseas and Technicians	-	-	1.09	-	-	1.06	0.71	0.52
033 - Mechanical Engineering Overseas and Technicians	-	-	-	0.40	1.37	1.59	0.53	0.66
034 - Chemical Engineering Technicians	-	-	1.09	-	-	-	0.18	0.15
035 - Metallurgical Technicians	-	-	-	0.82	-	-	-	0.15
036 - Mining Technicians	-	-	-	-	1.37	-	-	0.44
037 - Survey Technicians	-	3.36	-	0.82	-	4.23	66.31	28.51
039 - Engineering Technicians n. e. c.	-	-	-	0.40	2.05	-	1.43	0.66
041 - Flight Engineers	-	-	-	-	-	1.06	-	0.15
044 - Ships Engineers	-	-	1.09	-	-	60.84	0.18	8.64
049 - Aircraft Engineer	-	-	-	-	-	-	-	-
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Actual Number	2	119	92	245	146	189	561	1354

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 1.7

Percentage Distribution of Engineering and Technological Personnel in Rural Areas of Goa, Daman and Diu in Census Industrial Category by Occupations, 1971

1971 Census Industrial Category/ Occupation	III	IV	V(b)	VI	VII	VIII	IX	Total
	Livestock, forestry, fishing, hunting & plantations, orchard and allied activities	Mining and quarrying	Manufacturing, processing, servicing & repairs other than household industry	Construction	Trade and commerce	Transport, storage and communication	Other services	
1	2	3	4	5	6	7	8	9
020 - Architects and Town Planners	-	-	-	-	7.69	-	0.34	0.61
921 - Civil Engineer	-	3.19	-	72.50	30.77	8.33	4.41	10.97
022 - Electrical and Electronic Engineer	-	4.26	16.00	2.50	26.93	16.67	5.08	6.71
023 - Mechanical Engineers	-	11.70	52.00	12.50	23.08	25.00	01.68	8.13
024 - Chemical Engineers	-	-	4.00	-	-	-	-	0.20
025 - Metallurgists	-	-	-	-	-	-	-	-
026 - Mining Engineers	-	64.89	-	-	-	-	-	12.40
027 - Industrial Engineers	-	-	-	-	-	-	-	-
028 - Surveyors	-	15.96	-	-	-	-	1.02	3.67
029 - Architects, Engineers, Technologists Surveyors, n. e. c.	-	-	24.00	-	-	-	-	1.22
031 - Civil Engineering Overseas and Technicians	-	-	-	7.50	7.69	-	-	1.02
032 - Electrical and Electronic Engineering Overseers and Technicians	-	-	4.00	-	-	-	-	0.20
033 - Mechanical Engineering Overseers and Technicians	-	-	-	2.50	3.84	-	-	0.40
034 - Chemical Engineering Technicians	-	-	-	-	-	-	0.34	0.20
035 - Metallurgical Technicians	-	-	-	-	-	-	-	-
036 - Mining Technicians	-	-	-	-	-	-	-	-
037 - Survey Technicians	-	-	-	2.50	-	33.33	88.13	53.86
039 - Engineering Technicians n. e. c.	-	-	-	-	-	-	-	-
041 - Flight Engineers	-	-	-	-	-	16.67	-	0.41
044 - Ships Engineers	-	-	-	-	-	-	-	-
049 - Aircraft Engineer	-	-	-	-	-	-	-	-
Total	-	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Actual Number	-	94	25	40	26	12	295	492

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 1.8

**Percentage Distribution of Engineering and Technological Personnel in
Urban Areas of Goa, Daman and Diu, in Census Industrial
Category by occupations, 1971**

1971 Census Industrial Category/ Occupation	III	IV	V(b)	VI	VII	VIII	IX	Total
	Livestock, forestry, fishing, hunting & plantations, orchard and allied activities	Mining and quarrying	Manufacturing, pro- cessing, servicing & repairs other than household industry	Construction	Trade and commerce	Transport, storage and communication	Other services	
1	2	3	4	5	6	7	8	9
020 - Architects and Town Planners	-	-	-	7.80	17.50	-	5.26	5.92
021 - Civil Engineer	50.00	-	4.48	68.78	30.00	9.04	11.65	26.45
022 - Electrical and Elec- tronic Engineer	-	4.00	19.40	4.39	7.50	7.91	23.68	12.65
023 - Mechanical Engineers	-	24.00	64.18	8.78	25.83	11.30	4.13	14.96
024 - Chemical Engineers	-	-	2.99	0.49	0.83	-	-	0.46
025 - Metallurgists	-	-	-	-	-	-	-	-
026 - Mining Engineers	-	52.00	-	-	10.83	-	0.38	3.13
027 - Industrial Engineers	-	-	-	-	-	-	0.38	0.12
028 - Surveyors	-	4.00	-	0.97	2.50	1.70	1.50	1.51
029 - Architects, Engineers, Technologists Survey- ors, n. e. c.	-	-	4.48	-	-	-	-	0.35
031 - Civil Engineering Over- seas and Technicians	-	-	1.49	6.83	-	-	4.89	3.25
032 - Electrical and Electro- nic Engineering Ove- seers and Technicians	-	-	-	-	-	1.13	1.50	0.70
033 - Mechanical Engineers Technology	-	-	-	-	0.83	1.69	1.13	0.81
034 - Chemical Engineering Technicians	-	-	1.49	-	-	-	-	0.12
035 - Metallurgical Techni- cians	-	-	-	0.98	-	-	-	0.23
036 - Mining Technicians	-	16.00	-	-	1.67	-	-	0.70
037 - Survey Technicians	50.00	-	-	0.49	2.51	2.26	42.11	14.03
039 - Engineering Technici- ans n. e. c.	-	-	-	0.49	-	-	3.01	1.04
041 - Flight Engineers	-	-	-	-	-	-	-	-
044 - Ships Engineers	-	-	1.49	-	-	64.97	0.38	13.57
049 - Aircraft Engineer	-	-	-	-	-	-	-	-
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Actual Number	2	25	67	205	120	177	266	862

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE

**Percentage Distribution of Engineering and Technological
Censu Industrial**

1971 Census Industrial Category/ Occupation	Architect and Town planner (020)	Civil Engineer (021)	Electrical and Electro- nic Engineer (022)	Mechanical Engineer (023)	Chemical Engineer (024)	Metallurgist (025)	Mining Engineer (026)	Industrial Engineer (027)	Surveyors (028)
1	2	3	4	5	6	7	8	9	10
III. Livestock, Forestry, Fi- shing, Hunting and plan- tations orchards and allied activities	-	0.35	-	-	-	-	-	-	-
IV. Mining and Quarrying ...	-	1.07	3.52	10.06	-	-	84.09	-	51.61
V.(b) Manufacturing pro- cessing and repairs other than household Industry	-	1.07	11.97	33.14	60.00	-	-	-	-
VI. Construction	29.63	60.28	7.04	13.61	20.00	-	-	-	6.45
VII. Trade and commerce ...	42.59	15.60	11.27	21.89	20.00	-	14.77	-	9.68
VIII. Transport storage and communication	-	6.03	11.27	13.61	-	-	-	-	9.68
IX. Other services	27.78	15.60	54.93	7.69	-	-	1.14	-	22.58
Total	100.00	100.00	100.00	100.00	100.00	-	100.00	-	100.00
Actual Number ...	54	282	142	169	5	-	88	-	31

Source: — Census of India 1971. Goa, Daman and Diu.

1.9

Personnel in Goa, Damau and Diu in each Occupation by Category, 1971

Architects and Engineer Technologist and Surveyors n. e. c. (029)	Civil Engineer overseas and Technician (031)	Electrical and Electronic Engineer overseas Technician (032)	Mechanical Engineer Technician (033)	Chemical Engineer Technician (034)	Metallurgical Technicial Technician (035)	Mining Technician (036)	Survey Technician (037)	Engineering Technician (039)	Flight Engineer (041)	Ship Engineer (044)	Aircraft Engineer n. e. c. (049)	Total
11	12	13	14	15	16	17	18	19	20	21	22	23
-	-	-	-	-	-	-	0.26	-	-	-	-	0.15
-	-	-	-	-	-	66.67	-	-	-	-	-	8.79
100.00	3.03	14.29	-	50.00	-	-	-	-	-	8.85	-	6.79
-	51.52	-	11.11	-	100.00	-	0.52	11.11	-	-	-	18.10
-	6.06	-	22.23	-	-	33.33	0.78	-	-	-	-	10.78
-	-	28.57	33.33	-	-	-	2.07	-	100.00	98.29	-	13.96
-	39.39	57.14	33.33	50.00	-	-	96.37	88.89	-	0.86	-	41.43
100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	-	100.00
9	33	7	9	2	2	6	386	9	2	117	-	1354

**Percentage Distribution of Engineering and Technological
Occupation by Census**

Occupation/ 1971 Census Industrial Category	Architect and Town planner (020)	Civil Engineer (021)	Electrical and Electro- nic Engineer (022)	Mechanical Engineer (023)	Chemical Engineer (024)	Metallurgist (025)	Mining Engineer (026)	Industrial Engineer (027)	Surveyors (028)
1	2	3	4	5	6	7	8	9	10
III. Livestock, Forestry, Fi- shing, Hunting and plan- tations orchards and allied activities	-	-	-	-	-	-	-	-	-
IV. Mining and Quarrying ...	-	5.56	12.12	27.50	-	-	100.00	-	83.33
V.(b) Manufacturing pro- cessing and repairs other than household Industry	-	-	12.12	32.50	100.00	-	-	-	-
VI. Construction	-	53.70	3.03	12.50	-	-	-	-	-
VII. Trade and commerce ...	66.67	14.82	21.22	15.00	-	-	-	-	-
VIII. Transport storage and communication	-	1.85	6.06	7.50	-	-	-	-	-
IX. Other services	33.33	24.07	45.45	5.00	-	-	-	-	16.67
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Actual Number ...	3	54	33	40	1	-	61	-	18

Source: — Census of India 1971. Goa, Daman and Diu.

1.10

Personnel in Rural Areas of Goa, Daman and Diu in Each Industrial Category, 1971

Architect, Engineer, Techno-Surveyors n. e. c. (029)	Civil Engineer overseas and Technician (081)	Electrical and Electronic Engineer overseas Technician (082)	Mechanical Engineers Technician (083)	Chemical Engineer Technician (084)	Metallurgical Statistical Techno (085)	Mining Technician (086)	Survey Technician (087)	Engineering Technician (089)	Flight Engineering (041)	Ship Engineers (044)	Aircraft Engineers n. e. c. (049)	Total
11	12	13	14	15	16	17	18	19	20	21	22	23
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	19.11
100.00	-	100.00	-	-	-	-	-	-	-	-	-	5.08
-	60.00	-	50.00	-	-	-	0.38	-	-	-	-	8.13
-	40.00	-	50.00	-	-	-	-	-	-	-	-	5.28
-	-	-	-	-	-	-	1.51	-	100.00	-	-	2.44
-	-	-	-	100.00	-	-	98.11	-	-	-	-	59.66
100.00	100.00	100.00	10.000	100.00	10.000	100.00	100.00	100.00	100.00	100.00	100.00	100.00
6	5	1	2	1	-	-	265	-	2	-	-	492

**Percentage Distribution of Engineering and Technological
Occupation by Census**

Occupation/ 1971 Census Industrial Category	Architect uwo.L plus planner (020)	Civil Engineer (021)	Electrical and Electro- nic Engineer (022)	Mechanical Engineer (023)	Chemical Engineer (024)	Metallurgist (025)	Mining Engineer (026)	Industrial Engineer (027)	Surveyors (028)
1	2	3	4	5	6	7	8	9	10
III. Livestock, Forestry, Fi- shing, Hunting and plan- tations orchards and actvites	-	0.44	-	-	-	-	-	-	-
IV. Mining and Quarrying ...	-	-	0.92	4.65	-	-	48.15	-	7.69
V.(b) Manufacturing pro- cessing and repairs other than household Industry	-	1.31	11.93	33.33	50.00	-	-	-	-
VI. Construction	31.37	61.84	8.26	13.95	25.00	-	-	-	15.38
VII. Trade and commerce ...	41.18	15.79	8.26	24.04	25.00	-	48.15	-	23.08
VIII. Transport storage and communication	-	7.02	12.84	15.50	-	-	-	-	23.08
IX. Other services	27.45	13.60	57.79	8.53	-	-	3.70	100.00	30.77
Total	100.00	100.00	100.00	100.00	100.00	-	100.00	100.00	100.00
Actual Number ...	51	228	109	129	4	-	27	1	13

Source: — Census of India 1971. Goa, Daman and Diu.

1.11

Personnel in Urban Area of Goa, Daman and Diu in Each Industrial Category, 1971

Architects Technologist and Surveyors n. e. c.	Civil Engineer overseas and Technician	Electrical and Electronic Engi- neer Oversea Technician	Mechanical Engineer Technician	Chemical Engineer Technician	Metallur- gistical Technician	Mining Technician	Survey Technician	Engineering Technician	Flight Engineer	Ship Engineer	Aircraft Engineer	Total
(029)	(031)	(032)	(033)	(034)	(035)	(036)		(039)	(041)	(044)	(049)	
11	12	13	14	15	16	17	18	19	20	21	22	23
-	-	-	-	-	-	-	0.83	-	-	-	-	0.23
-	-	-	-	-	-	66.67	-	-	-	-	-	2.90
100.00	3.57	-	-	100.00	-	-	-	-	-	0.86	-	77.7
-	50.00	-	-	-	100.00	-	0.83	11.11	-	-	-	23.78
-	-	-	14.28	-	-	33.33	2.48	-	-	-	-	13.92
-	-	33.33	42.86	-	-	-	3.30	-	-	98.29	-	20.54
-	46.43	66.67	42.86	-	-	-	92.56	88.89	-	0.85	-	30.86
100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	-	100.00	-	100.00
3	28	6	7	1	2	6	121	9	-	117	-	862

TABLE 1.12

Distribution of work seekers Registered as Engineering and Technological Personnel in Goa, Daman and Diu, who were on the Live Register of Employment Exchange by Occupations 1972 to 1977

N. C. O. Code Number	Type of Occupations	1972	1973	1974	1975	1976	1977
	1	2	3	4	5	6	7
020.10	Architects	3	-	2	3		3
021.10	Civil Engineer, General	9	14	23	22	18	18
022.10	Electrical Engineers, General	33	25	25	21	46	43
023.10	Mechanical Engineers, General	61	47	46	53	46	22
023.40	Mechanical Engineers, Automobile	1	2	1	1	1	-
024.10	Chemical Engineers, General	-	1	2	5	2	1
025.10	Metallurgist Extrative	1	-	-	-	-	-
026.10	Mining Engineers, Ge- neral	1	-	-	-	-	-
029.45	Food Technologist	-	2	-	-	-	-
031.10	Overseers—Civil Engi- neering	12	1	-	-	-	-
044.30	Ships Engineer (3rd Engineership)	-	-	1	-	-	-
	Total	121	92	100	105	115	87

Source: — Employment Exchange, Panaji Goa.

TABLE 1.15

**Distribution of Degree Holders in Engineering and Technology
by Educational Level and Sex**

Sl. No.	Level of Education	Persons holding degree/diploma					
		Persons		Males		Females	
		Number	%	Number	%	Number	%
1	2	3	4	5	6	7	8
1.	Doctorate	2	0.21	2	0.21	-	-
2.	Masters degree	32	3.35	32	3.37	-	-
3.	Other Post Graduate Degree/Diploma	5	0.52	5	0.53	-	-
4.	Bachelors degree	432	45.14	425	44.78	7	87.50
5.	Bachelors equivalent	1	0.10	1	0.11	-	-
6.	Diploma	465	48.59	464	48.89	1	12.50
7.	Certificate	19	1.99	19	2.00	-	-
8.	Unspecified	1	0.10	1	0.11	-	-
	Total	957	100.00	949	100.00	8	100.00

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 1.14

**Distribution of Engineering and Technological Personnel according to
their countries of Education and by Level of degree and Sex**

Country of Education	Level of Education														
	Doctorate			Master and other Post Graduate			Bachelors Degree			Others and unspecified			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
India	1	1	-	25	25	-	407	400	7	471	470	1	904	896	8
U. K.	1	1	-	4	4	-	8	8	-	1	1	-	14	14	-
U. S. A.	-	-	-	4	4	-	-	-	-	3	3	-	7	7	-
Canada	-	-	-	-	-	-	2	2	-	-	-	-	2	2	-
U. S. S. R.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	1	1	-	2	2	-	1	1	-	4	4	-
France	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other European Countries	-	-	-	1	1	-	7	7	-	7	7	-	15	15	-
Australia/New Zealand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	1	1	-	4	4	-	-	-	-	5	5	-
Others	-	-	-	-	-	-	2	2	-	1	1	-	3	3	-
Not stated	-	-	-	1	1	-	1	1	-	1	1	-	3	3	-
Total	2	2	-	37	37	-	433	426	7	485	484	1	957	949	8

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 1.15

**Percentage Distribution of Engineering and Technological Personnel according to
their countries of Education and by Level of degree and Sex**

Country of Education	Level of Education															
	Doctorate			Master and other Post Graduate			Bachelors Degree			Others unspecified			Total			
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
India	50.00	50.00	-	67.57	67.57	-	93.98	93.88	100.00	97.11	97.10	100.00	94.46	94.42	100.00	
U. K.	50.00	50.00	-	10.82	10.82	-	1.85	1.88	-	0.21	0.21	-	1.46	1.48	-	
U. S. A.	-	-	-	10.81	10.81	-	-	-	-	0.62	0.62	-	0.73	0.74	-	
Canada	-	-	-	-	-	-	0.47	0.47	-	-	-	-	0.21	0.21	-	
U. S. S. R.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Germany	-	-	-	2.70	2.70	-	0.46	0.47	-	0.21	0.21	-	0.42	0.42	-	
France	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other European Countries	-	-	-	2.70	2.70	-	1.62	1.65	-	1.44	1.44	-	1.57	1.58	-	
Australia/New Zealand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Japan	-	-	-	2.70	2.70	-	0.93	0.94	-	-	-	-	0.52	0.53	-	
Others	-	-	-	-	-	-	0.46	0.47	-	0.20	0.21	-	0.32	0.31	-	
Not stated	-	-	-	2.70	2.70	-	0.23	0.24	-	-	-	-	0.21	0.31	-	
Total	100.00	100.00	-	100.00	100.00	-	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
		2	2		37	37		433	426	7	485	484	1	957	949	8

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 1.16
**Distribution of Engineering and Technology Personnel holding degree
 by Status and Level of Education**

Status	Level of Education																				
	Doctorate			Master's degree			Other Post Graduates degree or diploma			Bachelors			Equivalent			Diploma/Certificate unspecified			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Employees	2	2	-	29	29	-	3	3	-	328	325	3	1	1	-	388	387	1	751	747	
Self Employed	-	-	-	1	1	-	2	2	-	55	53	2	-	-	-	34	34	-	92	90	2
Students	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	-	3	3	-
Trainees	-	-	-	-	-	-	-	-	-	15	15	-	-	-	-	13	13	-	28	28	-
Apprentices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	2	2	-
Retired	-	-	-	1	1	-	-	-	-	15	15	-	-	-	-	7	7	-	23	23	-
Unemployed trying for job ...	-	-	-	-	-	-	-	-	-	17	16	1	-	-	-	30	30	-	47	46	1
Unemployed not trying for job	-	-	-	-	-	-	-	-	-	2	1	1	-	-	-	4	4	-	6	5	1
Unspecified	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	4	4	-	5	5	-
Total	2	2	-	32	32	-	5	5	-	432	425	7	1	1	-	485	484	1	957	949	8

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 1.17

**Percentage distribution of Engineering and Technological Personnel
Holding Degree by Status and Level of Education**

Status	Level of Education																				
	Doctorate			Master's Degree			Other Post Graduates degree or diploma			Bachelors Degree			Bachelors Equivalent			Diploma/Certificate/ unspecified			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Employees	100.00	-	-	90.63	90.63	-	60.00	60.00	-	75.93	76.47	42.86	100.00	100.00	-	80.00	79.96	100.00	73.71	78.48	50.00
Self Employed	-	-	-	3.13	3.13	-	40.00	40.00	-	12.73	12.47	28.57	-	-	-	7.01	7.02	-	9.48	9.61	25.00
Students	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.62	0.62	-	0.32	0.31	-
Trainees	-	-	-	-	-	-	-	-	-	3.47	3.53	-	-	-	-	2.68	2.69	-	2.95	2.93	-
Apprentices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.41	0.41	-	0.21	0.21	-
Retired	-	-	-	3.12	3.12	-	-	-	-	3.47	3.53	-	-	-	-	1.44	1.45	-	2.42	2.40	-
Unemployed trying for job	-	-	-	-	-	-	-	-	-	3.94	3.76	14.29	-	-	-	6.19	6.20	-	4.85	4.91	12.50
Unemployed and not trying for job	-	-	-	-	-	-	-	-	-	0.46	0.24	14.28	-	-	-	0.83	0.83	-	0.53	0.63	12.50
Unspecified	-	-	-	3.12	3.12	-	-	-	-	-	-	-	-	-	-	0.82	0.83	-	0.53	0.52	-
Total ...	100.00	100.00	-	100.00	100.00	-	100.00	100.00	-	100.00	100.00	100.00	100.00	100.00	-	100.00	100.00	100.00	100.00	100.00	100.00
Actual Nos. ...	(2)	(2)	-	(22)	(32)	-	(5)	(5)	-	(432)	(425)	(7)	(1)	(1)	-	(485)	(484)	(1)	(957)	(949)	(8)

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 1.18

**Distribution of Employed Engineering and Technological Personnel
(other than self employment) by type of Organisation sector and Sex**

Type of Organisations	Public sector			Private sector			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
1) University etc.	17	17	-	-	-	-	17	17	-
2) Polytechnic	19	19	-	-	-	-	19	19	-
3) Schools	6	6	-	2	1	1	8	7	1
4) Private coaching Institutions	-	-	-	-	-	-	-	-	-
5) Natural resources	-	-	-	5	5	-	5	5	-
6) Social and Developmental Organisations	9	9	-	-	-	-	9	9	-
7) Public sector-Industries ...	17	17	-	-	-	-	17	17	-
8) Other Govt. Organisations	367	365	2	-	-	-	367	365	2
9) Private sector Industries	-	-	-	190	189	1	190	189	1
10) Others	9	9	-	141	141	-	150	150	-
Total	444	442	2	338	336	2	782	778	4

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 1.19

Percentage distribution of Employed Engineering and Technological Personnel (other than self employment) by type of Organisation Sector and Sex

Type of Organisations	Public sector			Private sector			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
1) University etc....	3.83	3.84	-	-	-	-	2.18	2.18	-
2) Polytechnic	4.28	4.30	-	-	-	-	2.43	2.44	-
3) Schools	1.35	1.36	-	0.30	0.30	50.00	1.02	0.90	25.00
4) Private coaching Institutions	-	-	-	-	-	-	-	-	-
5) Natural Resources	-	-	-	1.48	1.49	-	0.64	0.64	-
6) Social and Developmental Organisations	2.03	2.04	-	-	-	-	1.15	1.16	-
7) Public sector Industries	3.83	3.85	-	-	-	-	2.17	2.19	-
8) Other Govt. Organisations	82.65	82.58	100.00	-	-	-	46.93	46.92	50.00
9) Private sector Industries	-	-	-	56.21	56.25	50.00	24.30	24.29	25.00
10) Others	2.03	2.04	-	41.71	41.96	-	19.18	19.28	-
Total ...	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Actual Nos. ...	444	442	2	338	336	2	782	778	4

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 1.20

Distribution of Degree holders in Engineering and Technology by Age group and sector of Employment classified by monthly Emoluments

Age-Group	Monthly emoluments in Rupees																				
	Less than 100			100-499			500-999			1000-1999			2000 and above			Unspecified			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
<i>Public Sector</i>																					
Less than 25 years ...	-	-	-	27	27	-	2	2	-	-	-	-	1	-	-	9	9	-	39	39	-
25 - 34 years	-	-	-	153	153	-	91	90	1	11	11	-	1	1	-	36	35	1	292	290	2
35 - 44 years	-	-	-	6	6	-	45	45	-	30	30	-	3	3	-	9	9	-	93	93	-
45 - 54 years	-	-	-	1	1	-	4	4	-	6	6	-	1	1	-	1	1	-	13	13	-
55 years & above ...	-	-	-	-	-	-	1	1	-	2	2	-	1	1	-	2	2	-	6	6	-
Age not stated	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1	-
Total	-	-	-	187	187	-	143	142	1	49	49	-	7	7	-	58	57	1	444	442	2
<i>Private Sector</i>																					
Less than 25 years ...	-	-	-	20	20	-	2	2	-	-	-	-	-	-	-	10	10	-	32	32	-
25 - 34 years	-	-	-	65	64	1	78	78	-	30	30	-	1	-	-	32	32	-	206	205	1
35 - 44 years	-	-	-	2	2	-	14	14	-	34	34	-	14	13	1	10	10	-	74	73	1
45 - 54 years	-	-	-	-	-	-	4	4	-	3	3	-	1	1	-	2	2	-	10	10	-
55 years & above ...	-	-	-	-	-	-	1	1	-	3	3	-	-	-	-	4	4	-	8	8	-
Age not stated	-	-	-	3	3	-	2	2	-	-	-	-	-	-	-	1	1	-	6	6	-
Total	-	-	-	90	89	1	101	101	-	70	70	-	16	15	1	59	59	-	336	334	2

Distribution of Degree holders in Engineering and Technology by Age group and sector of Employment classified by monthly Emoluments (Concl'd.)

Age-Group	Monthly emoluments in Rupees																					
	Less than 100			100-499			500-999			1000-1999			2000 and above			Unspecified			Total			
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
<i>Self - Employed</i>																						
Less than 25 years ...	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	8	8	-	10	10	-	
25 - 34 years	-	-	-	3	3	-	5	4	1	2	2	-	-	-	-	28	28	-	38	37	1	
35 - 44 years	-	-	-	-	-	-	1	1	-	2	2	-	2	2	-	24	24	-	29	29	-	
45 - 54 years	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	9	9	-	10	9	1	
55 years & above ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	2	2	-	
Age not stated	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	-	-	-	5	5	-	6	5	1	5	4	1	2	2	-	71	71	-	89	87	2	
<i>Total</i>																						
Less than 25 years ...	-	-	-	49	49	-	4	4	-	-	-	-	1	1	-	27	27	-	81	81	-	
25 - 34 years	-	-	-	221	220	1	174	172	2	43	43	-	2	2	-	96	95	1	536	532	4	
35 - 44 years	-	-	-	8	8	-	60	60	-	66	66	-	19	18	1	43	43	-	196	195	1	
45 - 54 years	-	-	-	1	1	-	8	8	-	10	9	1	2	2	-	12	12	-	33	32	1	
55 years & above ...	-	-	-	-	-	-	2	2	-	5	5	-	1	1	-	8	8	-	16	16	-	
Age not stated	-	-	-	3	3	-	2	2	-	-	-	-	-	-	-	2	2	-	7	7	-	
Total	-	-	-	282	281	1	250	248	2	124	123	1	25	24	1	188	187	1	869	863	6	

Source: — Census of India 1971. Goa, Daman and Diu.

Percentage distribution of Degree holders in Engineering and Technology

Age-Group	Emolu									
	Less than 100			100-499			500-999			
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	
1	2	3	4	5	6	7	8	9	10	
<i>Public Sector</i>										
Less than 25 years ...	-	-	-	14.44	14.44	-	1.40	1.41	-	-
25 - 34 years	-	-	-	81.82	81.82	-	63.63	63.38	100.00	-
35 - 44 years	-	-	-	3.21	3.21	-	31.47	31.69	-	-
45 - 54 years	-	-	-	0.53	0.53	-	2.80	2.82	-	-
55 years & above ...	-	-	-	-	-	-	0.70	0.70	-	-
Age not stated	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	100.00	100.00	-	100.00	100.00	100.00	-
<i>Private Sector</i>										
Less than 25 years ...	-	-	-	22.22	22.47	-	1.98	1.98	-	-
25 - 34 years	-	-	-	72.23	71.91	-	77.22	77.22	-	-
35 - 44 years	-	-	-	2.22	2.25	-	13.86	13.86	-	-
45 - 54 years	-	-	-	-	-	-	3.96	3.96	-	-
55 years & above ...	-	-	-	-	-	-	0.99	0.99	-	-
Age not stated	-	-	-	3.33	3.37	-	1.99	1.99	-	-
Total	-	-	-	100.00	100.00	-	100.00	100.00	-	-
<i>Self - Employed</i>										
Less than 25 years ...	-	-	-	60.00	60.00	-	-	-	-	-
25 - 34 years	-	-	-	40.00	40.00	-	83.33	80.00	100.00	-
35 - 44 years	-	-	-	-	-	-	16.67	20.00	-	-
45 - 54 years	-	-	-	-	-	-	-	-	-	-
55 years & above ...	-	-	-	-	-	-	-	-	-	-
Age not stated	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	100.00	100.00	-	100.00	100.00	100.00	-
<i>Total</i>										
Less than 25 years ...	-	-	-	17.38	17.44	-	1.60	1.61	-	-
25 - 34 years	-	-	-	78.37	78.29	100.00	69.60	69.35	100.00	-
35 - 44 years	-	-	-	2.84	2.85	-	24.00	24.19	-	-
45 - 54 years	-	-	-	0.35	0.35	-	3.20	3.23	-	-
55 years & above ...	-	-	-	-	-	-	0.80	0.81	-	-
Age not stated	-	-	-	1.06	1.07	-	0.80	0.81	-	-
Total	-	-	-	100.00	100.00	100.00	100.00	100.00	100.00	-

Source: — Population of India, 1971 census.

TABLE 1.22

Distribution of Unemployed Technical Personnel with Engineering & Technological Qualification classified by degree and Diploma levels and by subject of such Degree & Diploma

Subject	Unemployed persons with Engineering and Technology qualifications																				
	Total unemployed		Degree level and above									Diploma level									
			Total			Unemployed trying for job			Unemployed and not trying for job			Total			Unemployed trying for job			Unemployed and not trying for job			
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Architecture/Town & country Planning	2	-	2	2	-	2	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-
Civil	3	3	-	1	1	-	1	1	-	-	-	-	2	2	-	2	2	-	-	-	-
Electrical	11	11	-	6	6	-	6	6	-	-	-	-	5	5	-	4	4	-	1	1	-
Electronic/Tele-communication/Radio ..	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1	-	-	-	-
Mechanical	25	25	-	7	7	-	6	6	-	1	1	-	18	18	-	15	15	-	3	3	-
Chemical	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mining	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1	-	-	-	-
Metallurgy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Auto	2	2	-	1	1	-	1	1	-	-	-	-	1	1	-	1	1	-	-	-	-
Aero	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Health/Sanitary Engineering	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1	-	-	-	-
Production/Industrial Engineering	1	1	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Engineering & Technology	4	4	-	1	1	-	1	1	-	-	-	-	3	3	-	3	3	-	-	-	-
Total	51	49	2	19	17	2	17	16	1	2	1	1	32	32	-	28	28	-	4	4	-

Source: — Population of India, 1971 Census.

TABLE 1.23

**Percentage distribution of unemployed Technical Personnel with Engineering & Technological Qualifications
classified by Degree and Diploma level and by subject of each Degree & Diploma**

Subject	Unemployed persons with Engineering and Technology qualifications																				
	Total unemployed			Degree level and above									Diploma level								
				Total			Unemployed trying for job			Unemployed and not trying for job			Total			Unemployed trying for job			Unemployed and not trying for job		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Agriculture Engineering	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Architecture/Town & country Planning	3.92	-	100.00	10.53	-	100.00	5.88	-	100.00	50.00	-	100.00	-	-	-	-	-	-	-	-	-
Civil	5.88	6.12	-	5.26	5.88	-	5.88	6.25	-	-	-	-	6.24	6.24	-	7.14	7.14	-	-	-	-
Electrical	21.57	22.45	-	31.58	35.30	-	35.30	37.50	-	-	-	-	15.63	15.63	-	14.29	14.29	-	25.00	25.00	-
Electronic/Tele-communication/Radio ..	1.96	2.04	-	-	-	-	-	-	-	-	-	-	3.13	3.13	-	3.57	3.57	-	-	-	-
Mechanical	49.03	51.03	-	36.85	41.18	-	35.30	37.50	-	50.00	100.00	-	56.24	56.24	-	53.58	53.58	-	75.00	75.00	-
Chemical	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mining	1.96	2.04	-	-	-	-	-	-	-	-	-	-	3.13	3.13	-	3.57	3.57	-	-	-	-
Metallurgy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Auto	3.92	4.08	-	5.26	5.88	-	5.88	6.25	-	-	-	-	3.13	3.13	-	3.57	3.57	-	-	-	-
Aero	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Health/Sanitary Engineering	1.96	2.04	-	-	-	-	-	-	-	-	-	-	3.13	3.13	-	3.57	3.57	-	-	-	-
Production/Industrial Engineering	1.96	2.04	-	5.26	5.88	-	5.88	6.25	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Engineering & Technology	7.84	8.16	-	5.26	5.88	-	5.88	6.25	-	-	-	-	9.37	9.37	-	10.71	10.71	-	-	-	-
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	-	100.00	100.00	-	100.00	100.00	-
actual number ...	(51)	(49)	(2)	(19)	(17)	(2)	(17)	(16)	(1)	(2)	(1)	(1)	(32)	(32)	-	(28)	(28)	-	(4)	(4)	-

Source: — Population of India, 1971 Census.

TABLE 1.24

Unemployed Engineering and Technological Personnels (seeking employment) by period of unemployment, according to the level of Education and Sex

Duration of unemployment	Level of education														
	Doctorates			Master/Post graduates			Bachelors degree			Diploma and certificate			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Upto 6 months	-	-	-	-	-	-	10	9	1	5	5	-	15	14	1
7 - 12 months	-	-	-	-	-	-	3	3	-	4	4	-	7	7	-
13 - 24 months	-	-	-	-	-	-	1	1	-	3	3	-	4	4	-
25 and more	-	-	-	-	-	-	1	1	-	7	7	-	8	8	-
Period not stated	-	-	-	-	-	-	2	2	-	11	11	-	13	13	-
Total	-	-	-	-	-	-	17	16	1	30	30	-	47	46	1

Source: — Population of India, 1971 census.

TABLE 1.25

**Percentage distribution of unemployed Engineering and Technological Personnel (seeking Employment)
by Period of unemployment according to the level of Education and Sex**

Duration of unemployment	Level of Education												Total		
	Doctorates			Master/Post graduates			Bachelors degree			Diploma and certificates			Persons	Males	Females
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Upto 6 months	-	-	-	-	-	-	58.82	56.25	100.00	16.67	16.67	-	31.92	30.43	100.00
7 to 12 months	-	-	-	-	-	-	17.65	18.75	-	13.33	13.33	-	14.89	15.22	-
13 to 24 months	-	-	-	-	-	-	5.88	6.25	-	10.00	10.00	-	8.51	8.70	-
25 and more	-	-	-	-	-	-	5.88	6.25	-	23.33	23.33	-	17.02	17.39	-
Period not stated	-	-	-	-	-	-	11.77	12.50	-	36.67	36.67	-	27.66	28.26	-
Total	-	-	-	-	-	-	100.00	100.00	100.00	100.00	100.00	-	100.00	100.00	100.00

Source: — Population of India, 1971 census.

SECTION - II

Scientific Personnel

The categories Scientists covered by this section are indicated in the below code numbers and the description of the National classification of occupation : —

N. C. O. Code No.	Occupation
000	Physicists
001	Chemists (Excluding Pharmaceutical Chemists)
002	Geologists and Geophysicists
003	Meteorologists
009	Physical Scientists (not elsewhere classified)
050	Biologists, Zoologists, Botanists and Related Scientists
076	Pharmacists
100	Mathematicians
101/102	Statisticians and Actuaries

The data on scientific personnel have been gathered mainly from 1971 Census.

Table 2.1 depicts the stock of scientific personnel in Rural and Urban areas by occupation and sex. Distribution of this personnel by Census Industrial category and location is dealt with in table 2.2. Table 2.3 gives its percentage distribution by sex in rural and urban areas.

Occupation-wise distribution by Rural and Urban areas in each Census Industrial Category is given in table 2.4, while table 2.5 gives the corresponding percentage distribution. Table 2.6 deals with the percentage distribution in each occupation by Census Industrial Category for the Rural and Urban areas.

Data relating to unemployment in Scientific personnel as available on Live Register of Employment Exchange for the period 1972 to 1974 has been depicted in table 2.7.

Tables from 2.8 to 2.18 are compiled from the data census Publication i.e. "Degree holders and Technical Personnel" Part VII(i) and Part VII(ii).

In table 2.8 data about Science personnel holding degree by level of education and sex are given.

In table 2.9 these science personnel are further classified according to their countries of Education and also by level of Education. Table 2.10 represents the percentage distribution of the same.

The distribution of scientific personnel by Status and by Educational level are given in Table no. 2.11. Whereas table 2.12 presents the percentage of the same.

Table 2.13 to 2.16 gives the particulars about the employed scientific personnel. The first table gives the figures about the employed personnel other than self-employed; sub-classified by public and private sector and type of organisation. Table 2.14 gives the percentage distribution of the same. Table 2.15 gives the data about the employment scientific personnel classified by age-groups and monthly emoluments. While compiling the data about two more organisations i.e. (1) other Educational Institutions and Research and developmental organisation. The total of these two are added in the 'others' in table 2.13 and 2.14 of the respective sectors.

The last two tables of this section relate to the unemployment. Unemployed scientist seeking employment and duration of employment classified by level of Education is depicted in table 2.16. Table 2.17 gives the percentage distribution.

TABLE 2.1

Scientific Personnel Working in Rural and Urban Areas of Goa, Daman and Diu by each Occupation and Sex, according to 1971 census

Occupation	Rural			Urban			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
000 - Physicists	-	-	-	-	-	-	-	-	-
001 - Chemists (Excluding Pharmaceutical Chemists)	39	38	1	72	71	1	111	109	2
002 - Geologists & Geophysicists	14	14	-	6	6	-	20	20	-
003 - Meteorologists	-	-	-	5	5	-	5	5	-
009 - Physical Scientists n. e. c.	1	1	-	21	21	-	22	22	-
050 - Biologists, Zoologists, Botanists & Related Scientists	-	-	-	8	8	-	8	8	-
076 - Pharmacists	168	163	5	123	112	11	291	275	16
100 - Mathematicians	-	-	-	-	-	-	-	-	-
101/102 - Statisticians and Actuaries	-	-	-	-	-	-	-	-	-
Total	222	216	6	235	223	12	457	4391	8

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 2.2

**Distribution of Scientific Personnel in Rural and Urban Areas of Goa,
Daman and Diu by Census Industrial Category and Sex, 1971**

1971 Census Industrial Category	Rural			Urban			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
III - In Livestock, Forestry, Hunting and Plantations Orchards and allied activities	-	-	-	2	2	-	2	2	-
IV - Mining and Quarrying	44	44	-	2	2	-	46	46	-
V - (a) Manufacturing, Processing, Servicing & Repairs in Household Industry	1	1	-	-	-	-	1	1	-
V - (b) Manufacturing, Processing, Servicing, & Repairs other than Household Industry	11	11	-	19	19	-	30	30	-
VI - Construction	-	-	-	-	-	-	-	-	-
VII - Trade & Commerce	27	25	2	51	46	5	78	71	7
VIII - Transport, Storage and Communications	1	1	-	1	-	1	2	1	1
IX - Other Services	138	134	4	160	154	6	298	288	10
Total	222	216	6	235	223	12	457	439	18

Source: — Census of India 1971, Goa, Daman and Diu.

TABLE 2.3

**Percentage distribution of Scientific Personnel in Rural and Urban Areas
of Goa, Daman and Diu by Census Industrial Category and Sex, 1971**

1971 Census Industrial Category	Rural			Urban			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
III - Livestock, Forestry, Fishing, Hunting and Plantations Orchards and Allied Activities	—	—	—	0.85	0.90	—	0.44	0.46	—
IV - Mining and Quarrying	19.82	20.37	—	0.85	0.90	—	10.06	10.48	—
V - (a) Manufacturing, Processing, Servicing and Repairs in Household Industry ...	0.45	0.46	—	—	—	—	0.22	0.23	—
V - (b) Manufacturing, Processing, Servicing and Repairs other than Household Industry	4.96	5.09	—	8.09	8.52	—	6.56	6.83	—
VI - Construction	—	—	—	—	—	—	—	—	—
VII - Trade and Commerce	12.16	11.58	33.33	21.70	20.63	41.67	17.07	16.17	38.89
VIII - Transport, Storage and Communications ...	0.45	0.46	—	0.43	—	8.33	0.44	0.23	5.56
IX - Other Services	62.16	62.04	66.67	68.08	69.05	50.00	65.21	65.60	55.55
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Actual Number	222	216	6	235	223	12	457	439	18

Source: — Population of India, 1971 census.

Scientific Personnel in Rural and Urban Areas of Goa, Daman and Diu in each Occupation by Census Industrial Category, 1971 (Concl'd.)

Code Number	1971 Census Industrial Category Occupation		III	IV	V(A)	V(B)	VI	VII	VIII	IX	Total
			Livestock, forestry, fishing, hunting, plantation and allied activities	Mining and quarrying	Manufacturing, Processing Servicing and Repairs		Cons. truction	Trade and commerce	Transport storage and communications	Other services	
1	2	3	4	5	6	7					8
076	Pharmacists	T	--	8	1	13	--	56	1	202	291
		R	--	8	1	7	--	26	--	126	168
		U	--	--	--	6	--	40	1	76	123
100	Mathematicians	T	--	--	--	--	--	--	--	--	--
		R	--	--	--	--	--	--	--	--	--
		U	--	--	--	--	--	--	--	--	--
101/ 102	Statisticians and Actuaries	T	--	--	--	--	--	--	--	--	--
		R	--	--	--	--	--	--	--	--	--
		U	--	--	--	--	--	--	--	--	--
Total		T	2	46	1	30	--	78	2	298	457
		R	--	44	1	11	--	27	1	138	222
		U	2	2	--	19	--	51	1	160	235

Source:-- Census of India 1971, Goa, Daman and Diu.

TABLE 25

**Percentage Distribution of Scientific Personnel in Rural and Urban Areas of Goa, Daman and Diu,
in each Census Industrial Category by Occupation, 1971**

Code Number	1971 Census Industrial Category/ Occupation		III	IV	V(A)	V(B)	VI	VII	VIII	IX	Total
			Livestock, fo- restry, fishing, hunting, plan- tation, orchards and allied activities	Mining and quarrying	Manufacturing, Processing or Ser- vicing and Repairs		Cons- truction	Trade and commerce	Transport storage and communi- cations	Other services	
1	2	3	4	a) House- hold Industry	b) Other than Household Industry	7					8
000	Physicists	Total	—	—	—	—	—	—	—	—	—
		Rural	—	—	—	—	—	—	—	—	—
		Urban	—	—	—	—	—	—	—	—	—
001	Chemists, (Excluding Pharmaceuti- cal Chemists)	T	100.00	63.04	—	56.67	—	8.97	50.00	18.46	24.29
		R	—	61.36	—	36.36	—	3.70	100.00	4.35	17.57
		U	100.00	100.00	—	68.42	—	11.77	—	30.63	30.64
002	Geologists and Geophysicists	T	—	19.57	—	—	—	6.41	—	2.01	4.38
		R	—	20.46	—	—	—	—	—	3.62	6.31
		U	—	—	—	—	—	9.80	—	0.63	2.55
003	Meteorologists	T	—	—	—	—	—	—	—	1.68	1.09
		R	—	—	—	—	—	—	—	—	—
		U	—	—	—	—	—	—	—	3.12	2.13
009	Physical Scientists n. e. c.	T	—	—	—	—	—	—	—	7.38	4.81
		R	—	—	—	—	—	—	—	0.73	0.45
		U	—	—	—	—	—	—	—	13.12	8.94
050	Biologists, Zoologists, Botanists & Related Scientists	T	—	—	—	—	—	—	—	2.68	1.75
		R	—	—	—	—	—	—	—	—	—
		U	—	—	—	—	—	—	—	5.00	3.40

**Percentage Distribution of Scientific Personnel in Rural and Urban Areas of Goa, Daman and Diu,
in each Census Industrial Category by Occupation, 1971 (Concl'd.)**

Code Number	1971 Census Industrial Category Occupation		Livestock, forestry, fishing, hunting, plantation orchards and allied activities	IV	V(A)	V(B)	VI	VII	VIII	IX	Total
				Mining and quarrying	Manufacturing, Processing Servicing and		Cons. truction	Trade and commerce	Transport storage and communications	Other services	
1	2	3	4	a) Household Industry	b) Other than Household Industry	7					8
076	Pharmacists	T	—	17.39	100.00	43.33	—	84.62	50.00	67.79	63.63
		R	—	18.18	100.00	63.64	—	96.30	—	91.30	75.67
		U	—	—	—	31.58	—	78.43	100.00	47.50	52.34
100	Mathematicians	T	—	—	—	—	—	—	—	—	—
		R	—	—	—	—	—	—	—	—	—
		U	—	—	—	—	—	—	—	—	—
101/ 102	Statisticians and Actuaries	T	—	—	—	—	—	—	—	—	—
		R	—	—	—	—	—	—	—	—	—
		U	—	—	—	—	—	—	—	—	—
	Total	T	100.00	100.00	100.00	100.00	—	100.00	100.00	100.00	100.00
		R	—	100.00	100.00	100.00	—	100.00	100.00	100.00	100.00
		U	100.00	100.00	—	100.00	—	100.00	100.00	100.00	100.00
	Actual Number	T	2	46	1	30	—	78	2	298	457
		R	—	44	1	11	—	27	1	138	222
		U	2	2	—	19	—	51	1	160	235

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 2.6

**Percentage Distribution of Scientific Personnel in Goa, Damann and Diu, in Rural and Urban Areas,
in each Occupation by Census Industrial Category, 1971**

Occupation/ 1971 Census		Physicists (000)	Chemists (excluding pharmaceutical chemists) (001)	Geologists & Geophysicists (002)	Meteorologists (008)	Physical n. e. c. (009)	Biologists, Zoologists, Botanist's & Related Scientists (050)	Pharmacists (076)	Mathema- ticians (100)	Statisticians & Actuaries (101/102)	Total
1		2	3	4	5	6	7	8	9	10	11
III - Livestock, Forestry, Fishing, Hunting and Plantations, Orchards & Allied Acti- vities	T	—	1.80	—	—	—	—	—	—	—	0.44
	R	—	—	—	—	—	—	—	—	—	—
	U	—	2.78	—	—	—	—	—	—	—	0.87
IV - Mining and Quarrying	T	—	26.13	45.00	—	—	—	2.75	—	—	10.06
	R	—	69.23	64.29	—	—	—	4.76	—	—	19.82
	U	—	2.78	—	—	—	—	—	—	—	0.87
V - Manufacturing, Processing, Servicing & Repairs:	T	—	—	—	—	—	—	0.34	—	—	0.22
	R	—	—	—	—	—	—	0.59	—	—	0.45
	U	—	—	—	—	—	—	—	—	—	—
v. a) Household Industry	T	—	15.31	—	—	—	—	4.47	—	—	6.56
	R	—	10.26	—	—	—	—	4.17	—	—	4.96
	U	—	18.06	—	—	—	—	4.88	—	—	8.26
v. b) Other than Household Industry ...	T	—	—	—	—	—	—	—	—	—	—
	R	—	—	—	—	—	—	—	—	—	—
	U	—	—	—	—	—	—	—	—	—	—
VI - Construction	T	—	—	—	—	—	—	—	—	—	—
	R	—	—	—	—	—	—	—	—	—	—
	U	—	—	—	—	—	—	—	—	—	—
VII - Trade and Commerce	T	—	6.31	25.00	—	—	—	22.68	—	—	17.07
	R	—	2.56	—	—	—	—	15.48	—	—	12.16
	U	—	8.33	—	—	—	—	32.52	—	—	20.00

**Percentage Distribution of Scientific Personnel in Goa, Damann and Diu, in Rural and Urban Areas,
in each Occupation by Census Industrial Category, 1971 (Concl'd.)**

Occupation/ 1971 Census		Physicists (000)	Chemists (excluding pharmaceutical chemists) (001)	Geologists & Geophysicists (002)	Meteorologists (008)	Physical n. e. c. (009)	Biologists, Zoologists, Botanists & Related Scientists (050)	Pharmacists (076)	Mathema- ticians (100)	Statisticians & Actuaries (101/102)	Total
1		2	3	4	5	6	7	8	9	10	11
VIII - Transport, Storage & Communications	T	—	0.90	—	—	—	—	0.34	—	—	0.44
	R	—	2.56	—	—	—	—	—	—	—	0.45
	U	—	—	—	—	—	—	0.81	—	—	0.43
IX - Other Services	T	—	49.55	30.00	100.00	100.00	100.00	69.42	—	—	65.21
	R	—	15.39	35.71	—	100.00	—	75.00	—	—	62.16
	U	—	68.05	100.00	100.00	100.00	100.00	61.79	—	—	69.57
Total	T	—	100.00	100.00	100.00	100.00	100.00	100.00	—	—	100.00
	R	—	100.00	100.00	—	100.00	—	100.00	—	—	100.00
	U	—	100.00	100.00	100.00	100.00	100.00	100.00	—	—	100.00
Actual Number	T	—	111	20	5	22	8	291	—	—	457
	R	—	39	24	—	1	—	168	—	—	222
	U	—	72	6	5	21	8	123	—	—	235

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 27

Distribution of work seekers Registered as Scientists in Goa, Daman and Diu who were on the Live Register of Employment Exchange, by Occupations by 1972 to 1977

Code Number	Occupation	1972	1973	1974	1975	1976	1977
001.00	Chemists except Pharmaceutical chemists	3	7	2	1	2	5
002.00	Geologist and Geophysicists	—	—	1	—	—	—
050.00	Biologists, Zoologist, Botanists and Selected Scientists	1	—	—	—	1	—
076.00	Chemists-Pharmaceutical	—	—	31	40	50	44
	Total	4	7	34	41	53	49

Source: Employment Exchange, Panaji-Goa.

TABLE 2.8

Distribution of Science personnel holding degree by level of Education and Sex

Level of Education	Persons holding degree Science					
	Persons		Males		Females	
	Number	%	Number	%	Number	%
1	2	3	4	5	6	7
Doctorate	15	0.93	15	1.17	—	—
Master Degree	230	14.21	193	15.02	37	11.08
Other Post Graduate Degree/ Diploma	2	0.12	2	0.16	—	—
Bachelors degree	1,304	80.54	1,027	79.92	277	82.93
Bachelors equivalent	2	0.12	1	0.08	1	0.30
Diploma	63	3.89	44	3.42	19	5.69
Certificate	3	0.19	3	0.23	—	—
Unspecified	—	—	—	—	—	—
Total	1,619	100.00	1,285	100.00	334	100.00

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 2.9

Distribution of Science Personnel according to their countries of Education and by Level of degree and Sex

Country of Education	Level of Education														
	Doctorate			Master and other post graduate			Bachelors degree			Others			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
India	10	10	—	224	189	35	1301	1024	277	62	45	17	1597	1268	329
U. K.	1	1	—	—	—	—	1	1	—	—	—	—	2	2	—
U. S. A.	3	3	—	3	2	1	1	1	—	—	—	—	7	6	1
Canada	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
U. S. S. R.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other European Countries	1	1	—	4	3	1	1	1	—	4	2	2	10	7	3
Australia/New Zealand	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Japan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Others	—	—	—	1	1	—	2	1	1	—	—	—	3	2	1
Not stated	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	15	15	—	232	195	37	1306	1028	278	66	47	19	1619	1285	334

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 2.10
Percentage Distribution of Science Personnel According to their Countries of Education
by Level of Degree and Sex

Country of Education	Level of Education														
	Doctorate			Master and other Post Graduate			Bachelors Degree			Others			Total		
	Females	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
India	66.67	66.67	—	96.55	96.94	94.60	99.61	99.60	99.64	93.94	95.74	89.47	98.63	98.65	98.50
U. K.	6.67	6.67	—	—	—	—	0.08	0.10	—	—	—	—	0.13	0.16	—
U. S. A.	20.00	20.00	—	1.29	1.02	2.70	0.08	0.10	—	—	—	—	0.43	0.47	0.30
Canada	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
U. S. S. R.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other European Countries	6.66	6.66	—	1.73	1.53	2.70	0.08	0.10	—	6.06	4.26	10.53	0.62	0.54	0.90
Australia/New Zealand	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Japan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Others	—	—	—	0.43	0.51	—	0.15	0.10	0.36	—	—	—	0.19	0.15	0.30
Not stated	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	100.00	100.00	—	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Actual Number	15	15	—	232	195	37	1306	1028	278	66	47	19	1619	1285	334

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 2.11

Distribution of Scientists Personnel holding Degree by status and Level of Education

Status	Level of Education																				
	Doctorate			Masters Degree			Other Post Graduate Degree/Diploma			Bachelors Degree			Bachelors equivalent			Diploma/Certificate			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Employees	13	13	-	183	161	22	2	2	-	893	752	141	-	-	-	30	24	6	1121	952	169
Self Employed	-	-	-	11	11	-	-	-	-	112	106	6	-	-	-	18	15	3	141	132	9
Students	1	1	-	3	2	1	-	-	-	70	56	14	-	-	-	-	-	-	74	59	15
Trainees	-	-	-	4	4	-	-	-	-	5	5	-	-	-	-	-	-	-	9	9	-
Apprentices	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	1	-	1	4	3	1
Retired	-	-	-	2	2	-	-	-	-	7	6	1	1	1	-	4	3	1	14	12	2
Unemployed trying for job	1	1	-	18	11	7	-	-	-	127	84	43	-	-	-	4	2	2	150	98	52
Unemployed and not trying for job	-	-	-	6	-	6	-	-	-	81	11	70	1	-	1	7	1	6	95	12	83
Unspecified	-	-	-	3	2	1	-	-	-	6	4	2	-	-	-	2	2	-	11	8	3
Total	15	15	-	230	193	37	2	2	-	1304	1027	277	2	1	1	66	47	19	1619	1285	334

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 2.12
Percentage Distribution of Scientific Personnel Holding Degree by Status and Level of Education

Status	Level of Education																				
	Doctorate			Masters Degree			Other Post-Graduate Degree/Diploma			Bachelors degree			Bachelors equivalent			Diploma/Certificate			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	17	17	18	19	20	21	22
Employees	86.66	86.66	-	79.57	83.42	59.46	100.00	100.00	-	68.48	73.22	50.90	-	-	-	45.45	51.06	31.58	69.24	74.09	50.60
Self Employed	-	-	-	4.78	5.70	-	-	-	-	8.59	10.32	2.17	-	-	-	27.27	31.92	15.80	8.71	10.27	2.69
Students	6.67	6.67	-	1.31	1.04	2.70	-	-	-	5.37	5.45	5.05	-	-	-	-	-	-	4.57	4.59	4.49
Trainees	-	-	-	1.74	2.06	-	-	-	-	0.38	0.50	-	-	-	-	-	-	-	0.56	0.70	-
Apprentices	-	-	-	-	-	-	-	-	-	0.23	0.29	-	-	-	-	1.52	-	5.26	0.25	0.24	0.30
Retired	-	-	-	0.87	1.04	-	-	-	-	0.54	0.58	0.36	50.00	100.00	-	6.06	6.38	5.26	0.87	0.93	0.60
Unemployed trying for job	6.67	6.67	-	7.82	5.70	18.92	-	-	-	9.74	8.18	15.53	-	-	-	6.06	4.26	10.52	9.26	7.63	15.57
Unemployed and not trying for job ...	-	-	-	2.61	-	16.22	-	-	-	6.21	1.07	25.27	50.00	-	100.00	10.61	2.12	31.58	5.87	0.93	24.85
Unspecified	-	-	-	1.39	1.04	2.70	-	-	-	0.46	0.39	0.72	-	-	-	3.03	4.26	-	0.67	0.62	0.90
Total	100.00	100.00	-	100.00	100.00	100.00	100.00	-	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Actual Number	15	15	-	230	193	37	2	2	-	1304	1027	277	2	1	1	66	47	19	1619	1285	334

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 2.13

**Distribution of Employed Scientist (other than self-employment)
by type of organisation sector and by Sex**

Type of organisation	Public sector			Private sector			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
1 — University etc.	40	32	8	-	-	-	40	32	8
2 — Polytechnic	2	2	-	-	-	-	2	2	-
3 — Schools	53	36	17	241	165	76	294	201	93
4 — Private coaching Institutions	-	-	-	1	1	-	1	1	-
5 — Natural Resources	8	7	1	5	5	-	13	12	1
6 — Social and Development Organisations	12	12	-	-	-	-	12	12	-
7 — Public Sector Industries	15	15	-	-	-	-	15	15	-
8 — Other Govt. Organisation	374	338	36	-	-	-	374	338	36
9 — Private Sector Industries	-	-	-	150	148	2	150	148	2
10 — Others	37	36	1	183	158	25	220	194	26
Total	541	478	63	580	477	103	1121	955	166

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 2.14

Percentage Distribution of Employed Scientist (Other than Self-Employment) by type of Organisation Sector and by Sex

Type of organisation	Public sector			Private sector			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
1 - University etc.	7.39	6.70	12.70	-	-	-	3.57	3.35	4.82
2 - Polytechnic	0.37	0.42	-	-	-	-	0.18	0.21	-
3 - Schools	9.80	7.53	26.98	41.55	34.59	73.79	26.23	21.05	56.02
4 - Private coaching Institutions	-	-	-	0.18	0.21	-	0.09	0.10	-
5 - Natural Resources	1.48	1.46	1.59	0.86	1.05	-	1.16	1.26	0.60
6 - Social and Development Organisations	2.22	2.51	-	-	-	-	1.07	1.26	-
7 - Public Sector Industries	2.77	3.14	-	-	-	-	1.34	1.57	-
8 - Other Govt. Organisation	69.13	71.71	57.14	-	-	-	33.36	35.39	21.69
9 - Private Sector Industries	-	-	-	25.86	31.03	1.94	13.38	15.50	1.21
10 - Others	6.84	7.53	1.59	31.55	33.12	24.27	18.62	20.31	15.66
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Actual Number	(541)	(478)	(63)	(580)	(477)	(103)	(1121)	(955)	(66)

Source: — Census of India 1971. Goa, Daman and Diu.

Distribution of Degree Holders in Science by Age Group and

Age-Group	Emoluments								
	Less than 100			100-499			500-999		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7			
Public Sector									
Less than 25 years	-	-	-	53	32	21	4	3	1
25 — 34 years	-	-	-	180	157	23	83	80	3
35 — 44 years	-	-	-	30	26	4	62	60	2
45 — 54 years	-	-	-	1	-	1	11	11	-
55 years and above	-	-	-	2	2	-	2	2	-
Age not stated	-	-	-	3	3	-	1	1	-
Total	-	-	-	269	220	49	168	157	6
Private Sector									
Less than 25 years	-	-	-	68	43	25	2	2	-
25 — 34 years	-	-	-	178	140	38	74	70	4
35 — 44 years	-	-	-	33	30	3	52	48	4
45 — 54 years	-	-	-	9	8	1	11	11	-
55 years and above	-	-	-	9	9	-	1	1	-
Age not stated	-	-	-	3	3	-	-	-	-
Total	-	-	-	300	233	67	140	132	8
Self-Employed									
Less than 25 years	-	-	-	1	1	-	-	-	-
25 — 34 years	-	-	-	2	2	-	2	2	-
35 — 44 years	-	-	-	3	3	-	2	2	-
45 — 54 years	-	-	-	2	1	1	1	1	-
55 years and above	-	-	-	1	1	-	2	2	-
Age not stated	-	-	-	-	-	-	-	-	-
Total	-	-	-	9	8	1	7	7	-
Total									
Less than 25 years	-	-	-	122	76	46	6	5	1
25 — 34 years	-	-	-	366	299	61	159	152	7
35 — 44 years	-	-	-	66	59	7	116	110	6
45 — 54 years	-	-	-	12	9	3	23	23	-
55 years and above	-	-	-	12	12	-	5	5	-
Age not stated	-	-	-	6	6	-	1	1	-
Total	-	-	-	578	461	117	310	296	14

Source: — Census of India 1971. Goa, Daman and Diu.

2.15

Sector of Employment Classified by monthly Emoluments

in Rs.

1000-1999			2000 and above			Unspecified			Total		
Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
11	12	13	14	15	16	17	18	19	20	21	22
-	-	-	-	-	-	15	12	3	72	47	25
9	9	-	-	-	-	29	27	2	301	273	28
21	21	-	-	-	-	14	11	3	127	118	9
13	13	-	1	1	-	4	4	-	30	29	1
-	-	-	1	1	-	2	2	-	7	7	-
-	-	-	-	-	-	-	-	-	4	4	-
43	43	-	2	2	-	64	56	8	541	478	63
-	-	-	-	-	-	16	9	7	86	54	32
10	10	-	1	1	-	47	36	11	310	257	53
20	20	-	4	4	-	15	9	6	124	111	13
7	7	-	4	4	-	10	7	3	41	37	4
1	-	1	2	2	-	2	2	-	15	14	1
-	-	-	-	-	-	1	1	-	4	4	-
38	37	1	11	11	-	91	64	27	580	477	103
-	-	-	-	-	-	6	5	1	7	6	1
-	-	-	-	-	-	36	35	1	40	39	1
4	4	-	1	1	-	45	43	2	55	53	2
1	-	1	-	-	-	15	13	2	19	15	4
-	-	-	-	-	-	17	16	1	20	19	1
-	-	-	-	-	-	1	1	-	1	1	-
5	4	1	1	1	-	120	113	7	142	133	9
-	-	-	-	-	-	37	26	11	165	107	58
19	19	-	1	1	-	112	98	14	651	569	82
45	45	-	5	5	-	74	63	11	306	282	24
21	20	1	5	5	-	29	24	5	90	81	9
1	-	1	3	3	-	21	20	1	42	40	2
-	-	-	-	-	-	2	2	-	9	9	-
86	84	2	14	14	-	275	233	42	1263	1088	175

Percentage Distribution of Degree Holders in Science by age Groups

Age-Group and sector	Emoluments								
	Less than 100			100-499			500-999		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
Public Sector									
Less than 25 years	—	—	—	19.70	14.55	42.86	2.45	1.91	16.67
25—34 years	—	—	—	66.92	71.36	46.84	50.92	50.95	50.00
35—44 years	—	—	—	11.15	11.82	8.16	38.04	38.22	33.33
45—54 years	—	—	—	0.37	-	2.04	6.75	7.01	-
55 years and above	—	—	—	0.74	0.91	-	1.23	1.27	-
Age not stated	—	—	—	1.12	1.36	-	0.61	0.64	-
Total	—	—	—	100.00	100.00	100.00	100.00	100.00	100.00
Private Sector									
Less than 25 years	—	—	—	22.67	18.45	37.31	1.43	1.52	-
25—34 years	—	—	—	59.33	60.09	56.72	52.86	53.03	60.00
35—44 years	—	—	—	11.00	12.88	4.48	37.14	36.36	60.00
45—54 years	—	—	—	3.00	3.43	1.49	7.86	8.33	-
55 years and above	—	—	—	3.00	3.86	-	0.71	0.76	-
Age not stated	—	—	—	1.00	1.29	-	-	-	-
Total	—	—	—	100.00	100.00	100.00	100.00	100.00	100.00
Self-Employed									
Less than 25 years	—	—	—	11.11	12.50	-	-	-	-
25—34 years	—	—	—	22.22	25.00	-	28.57	28.57	-
35—44 years	—	—	—	33.34	37.50	-	28.57	28.57	-
45—54 years	—	—	—	22.22	12.50	100.00	14.29	14.29	-
55 years and above	—	—	—	11.11	12.50	-	28.57	28.57	-
Age not stated	—	—	—	-	-	-	-	-	-
Total	—	—	—	100.00	100.00	100.00	100.00	100.00	-
Less than 25 years	—	—	—	21.11	16.49	39.32	1.94	1.69	7.14
25—34 years	—	—	—	62.28	64.85	52.14	51.29	51.35	50.00
35—44 years	—	—	—	11.42	12.80	5.98	37.42	37.16	42.86
45—54 years	—	—	—	2.08	1.95	2.56	7.42	7.77	-
55 years and above	—	—	—	2.08	2.60	-	1.61	1.69	-
Age not stated	—	—	—	1.03	1.31	-	0.32	0.34	-
Total	—	—	—	100.00	100.00	100.00	100.00	100.00	100.00

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 2.17

Unemployed Scientists (Seeking Employment) by period of unemployment, according to the Level of Education and Sex

Duration of unemployment	Level of Education												Total		
	Doctorates			Master/Post Graduates			Bachelors Degree			Diploma and Certificates					
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Upto 6 months	1	1	-	3	2	1	16	13	3	-	-	-	20	16	4
7 to 12 months	-	-	-	4	3	1	68	46	22	1	1	-	73	50	23
13 to 24 months	-	-	-	2	1	1	12	8	4	-	-	-	14	9	5
25 and more	-	-	-	6	2	4	16	9	7	1	1	-	23	12	11
Period not stated	-	-	-	3	3	-	15	8	7	2	-	2	20	11	9
Total	1	1	-	18	11	7	127	84	43	4	2	2	150	98	52

Source: — Census of India 1971, Goa, Daman and Diu.

TABLE 2.18

Percentage Distribution of unemployed Scientists (Seeking employment) by period of unemployment, according to the level of Education and Sex

Duration of unemployment	Level of Education												Total		
	Doctorates			Master/Post Graduates			Bachelors Degree			Diploma and Certificates					
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Upto 6 months	100.00	100.00	-	16.67	18.18	14.29	12.60	15.48	6.98	-	-	-	13.34	16.33	7.69
7 to 12 months	-	-	-	22.22	27.27	14.29	53.54	54.76	51.16	25.00	50.00	-	48.66	51.02	44.23
13 to 24 months	-	-	-	11.11	9.10	14.29	9.45	9.52	9.30	-	-	-	9.33	9.18	9.62
25 and more	-	-	-	33.33	18.18	57.13	12.60	10.72	16.28	25.00	50.00	-	15.33	12.25	21.15
Period not stated	-	-	-	16.67	27.27	-	11.81	9.52	16.28	50.00	-	100.00	13.34	11.22	17.31
Total	100.00	100.00	-	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Actual Number ...	1	1	-	18	11	7	127	84	43	4	2	2	150	98	52

Source: — Census of India 1971. Goa, Daman and Diu.

SECTION 3

Health and Medical Personnel

This section provides data relating health and medical personnel. The data are mainly gathered from 1971 census. The category of health and medical personnel covered by this section as per 1968 N. C. O. are indicated below:

N. C. O. Code	Occupation
051	Bacteriologists, Pharmacologists and Related Workers
070	Physicians and Surgeons — Allopathic
071	Physicians and Surgeons — Ayurvedic
072	Physicians and Surgeons — Homeopathic
074	Dental Surgeon
075	Veterinarians
077	Dieticians and Nutritionists
078	Public Health Physicians
084	Nurses

Table 3.1 gives the details on the previous working in various occupations as per the 1971 census by Rural and Urban. Details regarding persons holding degree in medicine in urban areas are dealt with in table 3.2.

Tables 3.3 and 3.4 deal with the distribution of health and medical personnel by Census Industrial Category and the percentage distribution of the same by sex in Urban and Rural areas.

Distribution of Health and Medical personnel by occupation in each Census Industrial Category both for Rural and Urban areas is depicted in table 3.5. The percentage distribution of this personnel in each Census Industrial Category by occupation for the Rural and Urban areas is dealt with table 3.7.

Similarly the percentage distribution of the personnel in each occupation by Census Industrial category for Rural and Urban areas is worked out in table 3.7.

Details about work seekers registered as health and medical personnel who were on the Live Register of Employment Exchange of this territory by various occupations for the period 1972 to 1974 are recorded in table 3.8.

The tables from 3.9 to 3.19 are depicted from the special Census publication i. e. "Degree Holders and Technical Personnel" Part VII(i) and Part VII(ii).

In table 3.9 data regarding Health and Medical personnel holding degree by level of Education and Sex are given.

In table 3.10 these Health and medical personnel are classified by countries of their Education and sex. Table 3.11 gives the percentage distribution of the same.

In table number 3.12 degree holders in Health and medicine together with their educational level by status and sex are depicted. The percentage distribution of the same is depicted in table 3.13.

Employed Degree holders in Health and medicine are depicted in table 3.14 to 3.17, in which table 3.14 gives the data about employed Health and medical personnel other than self employed by type of organisation. Similarly table 3.15 gives the percentage distribution of the same. In other two tables of the employed personnel the data about the Health and medical personnel by sector of employment and monthly emoluments is depicted. Table 3.17 gives the percentage distribution of the same. In Table 3.14 'Others' two more categories of organisation are clubbed together. They are (1) other Educational Institution (2) Research and Development organisation.

The last two tables is about unemployed Health and medical personnel, these who are seeking employment and by period of unemployment. Table 3.19 depicts the percentage distribution of the same.

TABLE 3.1

Health and Medical Personnel Working in Rural and Urban Areas of Goa, Daman and Diu by Occupation and Sex, According to 1971 Census

Code No.	Occupation	Rural			Urban			Total		
		Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11
051 - Bacteriologists, Pharmacologists & Related workers		1	1	-	7	7	-	8	8	-
070 - Physicians & Surgeons - Allopathic		227	213	14	353	282	71	580	495	85
071 - Physicians & Surgeons Ayurvedic		9	9	-	9	9	-	18	18	-
072 - Physicians & Surgeons Homeopathic		18	16	2	7	6	1	25	22	3
074 - Dental Surgeons		7	6	1	11	10	1	18	16	2
075 - Veterinarians		10	10	-	9	9	-	19	19	-
077 - Dieticians & Nutritionists		1	1	-	1	-	1	2	1	1
078 - Public Health Physicians		4	3	1	14	13	1	18	16	2
084 - Nurses		223	22	201	438	65	373	661	87	574
Total		500	281	219	849	401	448	1349	682	667

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 3.2

**Distribution of Persons Holding Degree in Medicine in Urban Areas of
Goa, Daman and Diu by Census Industrial Category, 1971**

1971 Census Industrial Category	Medical					
	Persons		Males		Females	
	Number	Percentage	Number	Percentage	Number	Percentage
1	2	3	4	5	6	7
I. As Cultivators	1	0.19	1	0.24	—	—
II. As Agricultural Labourers ...	—	—	—	—	—	—
III. Livestock, Forestry, Fishing, Hunting, Plantation & allied activities	1	0.19	1	0.24	—	—
IV. Mining & Quarrying	—	—	—	—	—	—
V. Manufacturing, Processing Services & Repairs a) House- hold Industry	—	—	—	—	—	—
V. b) Other than household In- dustry	7	1.35	6	1.43	1	1.01
VI. Construction	3	0.58	3	0.72	—	—
VII. Trade of Commerce	25	4.83	21	5.01	4	4.04
VIII. Transport, Storage and Com- munications	3	0.58	3	0.72	—	—
IX. Other Services	478	92.28	384	91.64	94	94.95
Total	518	100.00	419	100.00	99	100.00

Source: — Census of India 1971, Goa, Daman and Diu.

TABLE 3.3

**Distribution of Health and Medical Personnel in Rural and Urban Areas
of Goa, Daman and Diu by Census Industrial Category and Sex, 1971**

1971 Census Industrial Category	Rural			Urban			Total		
	Persons	Females	Males	Persons	Females	Males	Persons	Females	Males
1	2	3	4	5	6	7	8	9	10
III - Livestock, forestry, fishing, hunting and plantations orchards and allied activities	2	2	—	—	—	—	2	2	—
IV - Mining and Quarrying ...	3	2	1	—	—	—	3	2	1
V - a) Manufacturing, processing, servicing and repairs in household Industry	2	2	—	—	—	—	2	2	—
V - b) Manufacturing, processing, servicing and repairs other than household Industry ...	—	—	—	2	2	—	2	2	—
VI - Construction	—	—	—	2	1	1	2	1	1
VII - Trade and Commerce ...	—	—	—	1	1	—	1	1	—
VIII - Transport, Storage Communications	2	1	1	4	4	—	6	5	1
IX - Other Services	491	274	217	840	393	447	1331	667	664
Total	500	281	219	849	401	448	1349	682	667

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 3.4

Percentage Distribution of Health and Medical Personnel in Rural and Urban Area of Goa Daman & Diu by Census Industrial Category and Sex, 1971

1971 Census Industrial Category	Rural			Urban			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
III - Livestock, Forestry, Fishing, Hunting, plantation, orchards & allied activities	0.40	0.71	—	—	—	—	0.15	0.29	—
IV - Mining & Quarrying	0.60	0.71	0.46	—	—	—	0.22	0.29	0.15
V - a) Manufacturing, processing, servicing & Repairs in household Industry	0.40	0.71	—	—	—	—	0.15	0.29	—
b) Manufacturing, processing, servicing & Repairs other than household Industry	—	—	—	0.24	0.50	—	0.15	0.29	—
VI - Construction	—	—	—	0.24	0.25	0.22	0.15	0.15	0.15
VII - Trade and Commerce	—	—	—	0.11	0.25	—	0.07	0.15	—
VIII - Transport, storage & communications	0.40	0.36	0.46	0.47	1.00	—	0.44	0.74	0.15
IX - Other Services	98.20	97.51	99.08	98.94	98.00	99.78	98.67	97.80	99.55
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Actual Number	500	281	219	849	401	448	1349	682	667

Source:—Census of India 1971, Goa, Daman and Diu.

TABLE 3.5

**Health and Medical personnel in Rural and Urban Area of Goa, Daman and Diu in each occupation
by Census Industrial Category and sex 1971**

Occupation		III	IV	V(a)	V(b)	VI	VII	VIII	IX	Total
		Livestock, forestry, fishing, hunting, plantations, orchards and allied activities	Mining and quar- rying	Household industry	Manufacturing, pro- cessing, servicing and repairs Other than household industry	Construction	Trade and commerce	Transport storage and com- munication	Other services	
1		2	3	4	5	6	7	8	9	10
070 - Physicians surgeons Allopathic	T	—	2	—	—	1	1	5	571	580
	R	—	2	—	—	—	—	1	224	227
	U	—	—	—	—	1	1	4	347	353
071 - Physicians & surgeons Ayurvedic	T	—	—	2	2	—	—	—	14	18
	R	—	—	2	—	—	—	—	7	9
	U	—	—	—	2	—	—	—	7	9
072 - Physicians, surgeons Homeopathic ...	T	—	—	—	—	—	—	—	25	25
	R	—	—	—	—	—	—	—	18	18
	U	—	—	—	—	—	—	—	7	7
074 - Dental Surgeons	T	—	—	—	—	—	—	—	18	18
	R	—	—	—	—	—	—	—	7	7
	U	—	—	—	—	—	—	—	11	11
075 - Veterinarians	T	2	—	—	—	—	—	—	17	19
	R	2	—	—	—	—	—	—	8	10
	U	—	—	—	—	—	—	—	9	9

**Health and Medical personnel in Rural and Urban Area of Goa, Daman and Diu in each occupation
by Census Industrial Category and sex 1971 (Concl'd.)**

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Occupation		III	IV	V(a)	V(b)	VI	VII	VIII	IX	Total
		Livestock, forestry, fishing, hunting, plantations, orchards and allied activities	Mining and quarrying	Manufacturing, pro- cessing, servicing and repairs		Construction	Trade and commerce	Transport storage and com- munication	Other services	
1		2	3	4	5	6	7	8	9	10
051 - Bacteriologists, Pharmacologists and Related Scientists	T	--	--	--	--	--	--	--	8	8
	R	--	--	--	--	--	--	--	1	1
	U	--	--	--	--	--	--	--	7	7
077 - Dieticians & Nutritionists	T	--	--	--	--	--	--	--	2	2
	R	--	--	--	--	--	--	--	1	1
	U	--	--	--	--	--	--	--	1	1
078 - Public Health Physicians	T	--	--	--	--	--	--	--	18	18
	R	--	--	--	--	--	--	--	4	4
	U	--	--	--	--	--	--	--	14	14
081 - Nurses	T	--	1	--	--	1	--	1	658	661
	R	--	1	--	--	--	--	1	221	223
	U	--	--	--	--	1	--	--	437	438
Total	T	2	3	2	2	2	1	6	1331	1349
	R	2	3	2	--	--	--	2	491	500
	U	--	--	--	2	2	1	4	840	849

Source: -- Census of India 1971, Goa, Daman and Diu.

TABLE 3.6

Percentage Distribution of Health and Medical Personnel in Goa, Daman and Diu in each Census Industrial Category by Occupation, 1971

1971 Census Industrial Category/ Occupation		II	IV	V		VI	VII	VIII	IX	Total
		Livestock, forestry, fishing, hunting and plantations and orchard and allied activities	Mining and quarrying	Manufacturing, pro- cessing, servicing and repairs		Cons- truction	Trade and Commerce	Transport storage and com- muni- cation	Other services	
				(a)	(b)					
				Household industry	Other than household industry					
1	2	3	4	5	6	7	8	9	10	
070 - Physicians surgeons Allopathic	T	—	66.67	—	—	50.00	100.00	83.33	42.90	43.00
	R	—	66.67	—	—	—	—	50.00	45.62	45.40
	U	—	—	—	—	50.00	100.00	100.00	41.31	41.58
071 - Physicians & surgeons Ayurvedic	T	—	—	100.00	100.00	—	—	—	1.05	1.33
	R	—	—	100.00	—	—	—	—	1.43	1.80
	U	—	—	—	100.00	—	—	—	0.83	1.06
072 - Physicians, surgeons Homeopathic ...	T	—	—	—	—	—	—	—	1.88	1.86
	R	—	—	—	—	—	—	—	3.67	3.60
	U	—	—	—	—	—	—	—	0.83	0.82
074 - Dental Surgeon	T	—	—	—	—	—	—	—	1.35	1.33
	R	—	—	—	—	—	—	—	1.43	1.40
	U	—	—	—	—	—	—	—	1.31	1.30
075 - Veterinarians	T	100.00	—	—	—	—	—	—	1.28	1.41
	R	100.00	—	—	—	—	—	—	1.63	2.00
	U	—	—	—	—	—	—	—	1.07	1.06

**Percentage Distribution of Health and Medical Personnel in Goa, Daman and Diu in each Census
Industrial Category by Occupation, 1971 (Concl'd.)**

1971 Census Industrial Category/ Occupation		II	IV	V		VI	VII	VIII	IX	Total
		Livestock, forestry, fishing, hunting and plantations and orchard and allied activities	Mining and quarrying	Manufacturing, pro- cessing, servicing and repairs		Cons- truction	Trade and Commerce	Transport storage and com- munic- ation	Other services	
				(a)	(b)					
				Household industry	Other than household industry					
1		2	3	4	5	6	7	8	9	10
051 - Bacteriologists, Pharmacologists and Related Scientists	T	—	—	—	—	—	—	—	0.60	0.59
	R	—	—	—	—	—	—	—	0.20	0.20
	U	—	—	—	—	—	—	—	0.83	0.82
077 - Dieticians & Nutritionists	T	—	—	—	—	—	—	—	0.15	0.15
	R	—	—	—	—	—	—	—	0.20	0.20
	U	—	—	—	—	—	—	—	0.12	0.12
078 - Public Health Physicians	T	—	—	—	—	—	—	—	1.35	1.33
	R	—	—	—	—	—	—	—	0.81	0.80
	U	—	—	—	—	—	—	—	1.67	1.65
084 - Nurses	T	—	33.33	—	—	50.00	—	16.67	49.44	49.00
	R	—	33.33	—	—	—	—	50.00	45.01	44.60
	U	—	—	—	—	50.00	—	—	52.03	51.59
Total	T	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
	R	100.00	100.00	100.00	—	—	—	100.00	100.00	100.00
	U	—	—	—	100.00	100.00	100.00	100.00	100.00	100.00
Actual Number	T	2	3	2	2	2	1	6	1331	1349
	R	2	3	2	—	—	—	2	491	500
	U	—	—	—	2	2	1	4	840	849

Source: — Census of India 1971, Goa, Daman and Diu.

TABLE 3.7

**Percentage Distribution of Health and Medical Personnel in Goa, Daman and Diu in each occupation
by Census Industrial Category, 1971**

1971 Census Industrial Category	Total Rural Urban	Physicians surgeons and allo. pathic (070)	Physicians surgeons (ayurvedic) (071)	Physicians surgeons (homeopathic) (72)	Dental surgeons (074)	Veterinarians (075)	Bacteriologists pharmacologists and related scientists (051)	Dieticians and nutritionists (077)	Public health physicians (078)	Nurses (084)	Total
1	2	3	4	5	6	7	8	9	10	11	12
III - Livestock, Forestry, Fishing, Hunting and plantation Orchards and allied activities	T	—	—	—	—	10.53	—	—	—	—	0.15
	R	—	—	—	—	20.00	—	—	—	—	0.40
	U	—	—	—	—	—	—	—	—	—	—
IV - Mining and Quarrying	T	0.35	—	—	—	—	—	—	—	0.15	0.22
	R	0.88	—	—	—	—	—	—	—	0.45	0.60
	U	—	—	—	—	—	—	—	—	—	—
V - Manufacturing, Processing and repairs: a) Household Industry	T	—	11.11	—	—	—	—	—	—	—	0.15
	R	—	22.22	—	—	—	—	—	—	—	0.40
	U	—	—	—	—	—	—	—	—	—	—
b) Other than Household Industry	T	—	11.11	—	—	—	—	—	—	—	0.15
	R	—	—	—	—	—	—	—	—	—	—
	U	—	22.22	—	—	—	—	—	—	—	0.24
VI - Construction	T	0.17	—	—	—	—	—	—	—	0.15	0.15
	R	—	—	—	—	—	—	—	—	—	—
	U	0.28	—	—	—	—	—	—	—	0.23	0.24
VII - Trade and Commerce ...	T	0.17	—	—	—	—	—	—	—	—	0.07
	R	—	—	—	—	—	—	—	—	—	—
	U	0.28	—	—	—	—	—	—	—	—	0.11
VIII - Transport, Storage and Communications	T	0.86	—	—	—	—	—	—	—	0.15	0.44
	R	0.44	—	—	—	—	—	—	—	0.45	0.40
	U	1.14	—	—	—	—	—	—	—	—	0.47

**Percentage Distribution of Health and Medical Personnel in Goa, Daman and Diu in each occupation
by Census Industrial Category, 1971 (Concl'd.)**

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1971 Census Industrial Category	Total Rural Urban	Physicians surgeons and allopathic (070)	Physicians surgeons (Ayurvedic) (071)	Physicians surgeons (Homoepathic) (072)	Dental surgeons (074)	Veterinarians (075)	Bacteriologists pharmacologists and related scientists (051)	Dietician and nutritionists (077)	Public Health Physicians (078)	Nurses (084)	Total
1	2	3	4	5	6	7	8	9	10	11	12
IX - Other Services	T	98.45	77.78	100.00	100.00	89.47	100.00	100.00	100.00	99.55	98.67
	R	98.68	77.78	100.00	100.00	80.00	100.00	100.00	100.00	99.10	98.20
	U	98.30	77.78	100.00	100.00	100.00	100.00	100.00	100.00	99.77	98.94
Total	T	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
	R	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
	U	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Actual Number	T	580	18	25	18	19	8	2	18	661	1349
	R	227	9	18	7	10	1	1	4	223	500
	U	353	9	7	11	9	7	1	14	438	849

Source: - Census of India 1971. Goa, Daman and Diu.

TABLE 3.8

**Distribution of work seekers Registered as Health and Medical Personnel
in Goa, Daman and Diu who were on the Live Register of Employment
Exchange, by Occupation 1972 to 1977**

Code Number	Title of occupation	1972	1973	1974	1975	1976	1977
1	2	3	4	5	6	7	8
070.00	Physicians and Surgeons Allopathic ...	19	37	72	63	102	78
071.10	Physicians Ayurvedic	1	—	1	—	—	1
072.10	Physicians Homeopathic	—	2	2	2	3	1
074.10	Dentists	—	1	1	2	2	2
079.00	Physicians, Surgeons n. e. o.	1	1	—	—	—	—
084.00	Nurses	13	12	13	15	13	14
	Total	34	53	89	82	120	96

Sources: — Employment Exchange, Panaji, Goa.

TABLE 3.9

Distribution of Health and Medical Personnel holding Degree by Level of Education and Sex

Level of Education	Persons Holding Degree/Diploma																		
	Medicine						Nursing						Total						
	Persons		Males		Females		Persons		Males		Females		Persons		Males		Females		
	No	%	No	%	No	%	No	%	No	%	No	%	No	%	No	%	No	%	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
1) Doctorate	2	0.29	2	0.35	-	-	-	-	-	-	-	-	-	2	0.28	2	0.35	-	-
2) Masters Degree ...	79	11.53	68	11.81	11	10.09	1	4.76	-	-	1	5.56	80	11.33	68	11.74	12	9.45	
3) Other Post Graduates Degree/Diploma	13	1.90	9	1.56	4	3.67	1	4.76	-	-	1	5.55	14	1.98	9	1.55	5	3.94	
4) Bachelors Degree	539	78.69	452	78.47	87	79.82	1	4.76	-	-	1	5.55	540	76.49	452	78.07	88	69.19	
5) Bachelors equivalent	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6) Diploma	39	5.69	34	5.90	5	4.59	14	66.67	2	66.67	12	6.66	53	7.51	36	6.22	17	13.38	
7) Certificate	13	1.90	11	1.91	2	1.83	4	19.05	1	33.33	3	16.67	17	2.41	12	2.07	5	3.94	
8) Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	685	100.00	576	100.00	109	100.00	21	100.00	3	100.00	18	100.00	706	100.00	579	100.00	127	100.00	

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 3.10

**Distribution of Health and Medical Personnel According to their Countries
of Education and by Level of Degree and Sex**

Country of Education	Level of Education														
	Doctorate			Master and other Post Graduate			Bachelors Degree			Others			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
India	2	2	-	64	49	15	525	440	85	70	48	22	661	539	122
U. K.	-	-	-	12	12	-	-	-	-	-	-	-	12	12	-
U. S. A.	-	-	-	5	4	1	1	-	1	-	-	-	6	4	2
Canada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
U. S. S. R.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	4	4	-	1	1	-	-	-	-	5	5	-
France	-	-	-	-	-	-	1	-	1	-	-	-	1	-	1
Other European Countries	-	-	-	7	7	-	11	10	1	-	-	-	18	17	1
Australia/New Zealand	-	-	-	1	1	-	-	-	-	-	-	-	1	1	-
Japan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	1	-	1	1	1	-	-	-	-	2	1	1
Not Stated	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	2	2	-	94	77	17	540	452	88	70	48	22	706	579	127

Source: — Census of India 1971, Goa, Daman and Diu.

TABLE 3.11

Percentage Distribution of Health & Medical Personnel According to Their Countries of Education & by level of Degree and Sex

Country of Education	Level of Education														
	Doctorate			Master and other Post Graduate			Bachelors Degree			Others			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
India	100.00	100.00	-	68.08	63.64	88.24	97.22	97.35	96.58	100.00	100.00	100.00	93.63	93.09	96.06
U. K.	-	-	-	12.77	15.59	-	-	-	-	-	-	-	1.70	2.07	-
U. S. A.	-	-	-	5.32	5.19	5.88	0.19	-	1.14	-	-	-	0.85	0.69	1.57
Canada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
U. S. S. R.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	4.26	5.19	-	0.19	0.22	-	-	-	-	0.71	0.87	-
France	-	-	-	-	-	-	0.18	-	1.14	-	-	-	0.14	-	0.79
Other European Countries	-	-	-	7.45	9.09	-	2.04	2.21	1.14	-	-	-	2.55	2.94	0.79
Australia/New Zealand	-	-	-	1.06	1.30	-	-	-	-	-	-	-	0.14	0.17	-

Percentage Distribution of Health & Medical Personnel According to Their Countries of Education & by level of Degree and Sex (Concl'd.)

Country of Education	Level of Education														
	Doctorate			Master and other Post Graduate			Bachelors Degree			Others			Total		
	Females	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Japan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	1.06	-	5.88	0.18	0.22	-	-	-	-	0.28	0.17	0.79
Not Stated	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	100.00	100.00	-	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Actual Number	2	2	-	94	77	17	540	452	88	70	48	22	706	579	127

Source: — Censu of India 1971, Goa, Daman and Diu.

TABLE

Distribution of Health and Medical Personnel

Status	Level of								
	Doctorate			Master's Degree			Other Post-Graduate Degree or Diploma		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
Employees	2	2	-	52	43	9	5	4	1
Self Employed	-	-	-	19	18	1	7	5	2
Students	-	-	-	1	1	-	1	-	1
Trainees	-	-	-	-	-	-	-	-	-
Apprentices	-	-	-	-	-	-	-	-	-
Retired	-	-	-	2	2	-	-	-	-
Unemployed trying for job	-	-	-	5	4	1	1	-	1
Unemployed and not trying for job	-	-	-	1	-	1	-	-	-
Unspecified	-	-	-	-	-	-	-	-	-
Total	2	2	-	80	68	12	14	9	5

Source: — Census of India 1971, Goa, Daman and Diu.

3.12

Holding Degree by Status and Level of Education

Education											
Bachelors Degree			Bachelors equivalent			Diploma/Certificate			Total		
Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
11	12	13	14	15	16	17	18	19	20	21	22
210	173	37	-	-	-	15	9	6	284	231	53
211	191	20	-	-	-	36	31	5	273	245	28
42	27	15	-	-	-	-	-	-	44	28	16
3	2	1	-	-	-	-	-	-	3	2	1
2	2	-	-	-	-	-	-	-	2	2	-
48	44	4	-	-	-	8	7	1	58	53	5
7	3	4	-	-	-	2	-	2	15	7	8
17	10	7	-	-	-	7	1	6	25	11	14
-	-	-	-	-	-	2	-	2	2	-	2
540	452	88	-	-	-	70	48	22	706	579	127

TABLE

Percentage Distribution of Health and Medical Personnel

Status	Level of								
	Doctorate			Master's Degree			Other Post-Graduate Degree or Diploma		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
Employees	100.00	100.00	-	65.00	63.24	75.01	35.72	44.44	20.00
Self Employed	-	-	-	23.75	26.47	8.33	50.00	55.56	40.00
Students	-	-	-	1.25	1.47	-	7.14	-	20.00
Trainees	-	-	-	-	-	-	-	-	-
Apprentices	-	-	-	-	-	-	-	-	-
Retired	-	-	-	2.50	2.94	-	-	-	-
Unemployed trying for job	-	-	-	6.25	5.88	8.33	7.14	-	20.00
Unemployed and not trying for job	-	-	-	1.25	-	8.33	-	-	-
Unspecified	-	-	-	-	-	-	-	-	-
Total	100.00	100.00	-	100.00	100.70	100.00	100.00	100.00	100.00
Actual Number	2	2	-	80	68	12	14	9	5

Source: — Census of India 1971. Goa, Daman and Diu.

3.13

Holding Degree by Status and Level of Education

Education

Bachelors Degree			Bachelors equivalent			Diploma/Certificate			Total		
Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
11	12	13	14	15	16	17	18	19	20	21	22
38.89	38.28	42.05	-	-	-	21.43	18.75	27.27	40.23	39.90	41.73
39.07	42.26	22.73	-	-	-	51.43	64.58	22.73	38.67	42.31	22.05
7.78	5.97	17.05	-	-	-	-	-	-	6.23	4.83	12.60
0.56	0.44	1.14	-	-	-	-	-	-	0.43	0.35	0.79
0.37	0.44	-	-	-	-	-	-	-	0.28	0.35	-
8.89	9.74	4.54	-	-	-	11.42	14.58	4.55	8.22	9.15	3.94
1.29	0.66	4.54	-	-	-	2.86	-	9.09	2.12	1.21	6.30
8.15	2.21	7.95	-	-	-	10.00	2.09	27.27	3.54	1.90	11.02
-	-	-	-	-	-	2.86	-	9.09	0.28	-	1.57
100.00	100.00	100.00	-	-	-	100.00	100.00	100.00	100.00	100.00	100.00
540	452	88	-	-	-	70	48	22	706	579	127

TABLE 3.14

Distribution of Employed Health and Medical Personnel (other than self Employment) by Type of Organisation Sector and Sex

Type of organisations	Public sector			Private sector			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
1) University etc. ...	81	61	20	-	-	-	81	61	20
2) Polytechnic	-	-	-	1	1	-	1	1	-
3) Schools	2	2	-	-	-	-	2	2	-
4) Private Coaching Institutions	-	-	-	-	-	-	-	-	-
5) Natural Resources	-	-	-	-	-	-	-	-	-
6) Social and Development Organisations	23	15	8	5	3	2	28	18	10
7) Public Sector Industries	2	2	-	-	-	-	2	2	-
8) Other Govt. Organisation	132	115	17	-	-	-	132	115	17
9) Private Sector Industries	-	-	-	7	7	-	7	7	-
10) Others	9	7	2	20	16	4	29	23	6
Total	249	202	47	33	27	6	282	229	53

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 3.15

**Percentage Distribution of Employed Health and Medical Personnel
(Other than Self-Employment) by Type of Organisations Sector and Sex**

Type of organisations	Public sector			Private sector			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
1) University etc. ...	32.53	30.20	42.55	-	-	-	28.72	26.64	37.74
2) Polytechnic	-	-	-	3.03	3.70	-	0.36	0.44	-
3) Schools	0.80	0.99	-	-	-	-	0.71	0.87	-
4) Private Coaching Institutions	-	-	-	-	-	-	-	-	-
5) Natural Resources	-	-	-	-	-	-	-	-	-
6) Social and Deve- lopment Organi- sations	9.24	7.42	17.02	15.15	11.11	33.33	9.93	7.86	18.87
7) Public Sector In- dustries	0.80	0.99	-	-	-	-	0.71	0.87	-
8) Other Govt. Or- ganisation	53.01	56.93	36.17	-	-	-	46.81	50.22	32.07
9) Private Sector Industries	-	-	-	21.21	25.93	-	2.48	3.06	-
10) Others	3.62	3.47	4.26	60.61	59.26	66.67	10.28	10.04	11.32
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Actual Number ..	249	202	47	33	27	6	282	229	53

Source: — Census of India 1971. Goa, Daman and Diu.

Distribution of Degree Holders in Health and Medicine by Age Groups

Sector/Age group	Emoluments								
	Less than 100			100-449			500-999		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
<i>Public Sector:</i>									
Less than 25 years	-	-	-	5	3	2	2	1	1
25 - 34 years	-	-	-	25	16	9	64	48	16
35 - 44 years	-	-	-	6	6	-	40	34	6
45 - 54 years	-	-	-	2	1	1	17	17	-
55 years and above	-	-	-	1	1	-	3	3	-
Age not Stated	-	-	-	1	-	1	3	3	-
Total	-	-	-	40	27	13	129	106	23
<i>Private Sector:</i>									
Less than 25 years	-	-	-	-	-	-	-	-	-
25 - 34 years	-	-	-	5	2	3	5	5	-
35 - 44 years	-	-	-	2	1	1	3	3	-
45 - 54 years	-	-	-	1	1	-	2	2	-
55 years and above	-	-	-	2	2	-	2	2	-
Age not Stated	-	-	-	-	-	-	-	-	-
Total	-	-	-	10	6	4	12	12	-
<i>Self-Employed:</i>									
Less than 25 years	-	-	-	-	-	-	-	-	-
25 - 34 years	-	-	-	7	4	3	4	3	1
35 - 44 years	-	-	-	1	1	-	4	4	-
45 - 54 years	-	-	-	-	-	-	-	-	-
55 years and above	-	-	-	7	7	-	4	4	-
Age not Stated	-	-	-	-	-	-	-	-	-
Total	-	-	-	15	12	3	12	11	1
<i>Total:</i>									
Less than 25 years	-	-	-	5	3	2	2	1	1
25 - 34 years	-	-	-	37	22	15	73	56	17
35 - 44 years	-	-	-	9	8	1	47	41	6
45 - 54 years	-	-	-	3	2	1	19	19	-
55 years and above	-	-	-	10	10	-	9	9	-
Age not Stated	-	-	-	1	-	1	3	3	-
Total	-	-	-	65	45	20	153	129	24

Source: — Census of India 1971. Goa, Daman and Diu.

3.16

and Sector of Employment Classified by Monthly Emoluments

in Rs.											
1900-1999			2000 and above			Unspecified			Total		
Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
11	12	13	14	15	16	17	18	19	20	21	22
-	-	-	-	-	-	-	-	-	7	4	3
3	3	-	-	-	-	23	15	8	115	82	33
21	19	2	-	-	-	8	7	1	75	66	9
12	12	-	3	3	-	5	5	-	39	38	1
4	4	-	-	-	-	1	1	-	9	9	-
-	-	-	-	-	-	-	-	-	4	3	1
40	38	2	3	3	-	37	28	9	249	202	47
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	1	1	-	2	2	-	13	10	3
2	2	-	1	1	-	4	2	2	12	9	3
-	-	-	-	-	-	1	1	-	4	4	-
-	-	-	-	-	-	-	-	-	4	4	-
-	-	-	-	-	-	-	-	-	-	-	-
2	2	-	2	2	-	7	5	2	33	27	6
-	-	-	-	-	-	1	1	-	1	1	-
2	2	-	1	1	-	50	36	14	64	46	18
5	5	-	2	1	1	49	45	4	61	56	5
2	2	-	-	-	-	42	40	2	44	42	2
1	1	-	-	-	-	88	85	3	100	97	3
-	-	-	-	-	-	4	4	-	4	4	-
10	10	-	3	2	1	234	211	23	274	246	28
-	-	-	-	-	-	1	1	-	8	5	3
5	5	-	2	2	-	75	53	22	192	138	54
28	26	2	3	2	1	61	54	7	148	131	17
14	14	-	3	3	-	48	46	2	87	84	3
5	5	-	-	-	-	89	86	3	113	110	3
-	-	-	-	-	-	4	4	-	8	7	1
52	50	2	8	7	1	278	244	34	556	475	81

Percentage Distribution of Degree Holders in Health and Medicine by Age

Sector/Age group	Emoluments								
	Less than 100			100-449			500-999		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
Public Sector:									
Less than 25 years	—	—	—	12.50	11.11	15.39	1.55	0.94	4.35
25 - 34 years	—	—	—	62.50	59.26	69.23	49.61	45.28	69.56
35 - 44 years	—	—	—	15.00	22.22	-	21.00	32.08	26.09
45 - 54 years	—	—	—	5.00	3.71	7.69	13.18	16.04	-
55 years and above	—	—	—	2.50	3.70	-	2.33	2.83	-
Age not Stated	—	—	—	2.50	-	7.69	2.33	2.83	-
Total	—	—	—	100.00	100.00	100.00	100.00	100.00	100.00
Private Sector:									
Less than 25 years	—	—	—	-	-	-	-	-	-
25 - 34 years	—	—	—	50.00	33.33	75.00	41.66	41.66	-
35 - 44 years	—	—	—	20.00	16.67	25.00	25.00	25.00	-
45 - 54 years	—	—	—	10.00	16.67	-	16.67	16.67	-
55 years and above	—	—	—	20.00	33.33	-	16.67	16.67	-
Age not Stated	—	—	—	-	-	-	-	-	-
Total	—	—	—	100.00	100.00	100.00	100.00	100.00	-
Self-Employed:									
Less than 25 years	—	—	—	-	-	-	-	-	-
25 - 34 years	—	—	—	46.67	33.33	100.00	33.33	27.28	100.00
35 - 44 years	—	—	—	6.66	8.33	-	33.33	36.36	-
45 - 54 years	—	—	—	-	-	-	-	-	-
55 years and above	—	—	—	46.67	58.34	-	33.34	36.36	-
Age not Stated	—	—	—	-	-	-	-	-	-
Total	—	—	—	100.00	100.00	100.00	100.00	100.00	100.00
Total:									
Less than 25 years	—	—	—	7.69	6.67	10.00	1.31	0.77	4.17
25 - 34 years	—	—	—	56.92	48.89	75.00	47.71	43.41	70.83
35 - 44 years	—	—	—	13.85	17.78	5.00	30.72	31.78	25.00
45 - 54 years	—	—	—	4.62	4.44	5.00	12.42	14.73	-
55 years and above	—	—	—	15.38	22.22	-	5.88	6.98	-
Age not Stated	—	—	—	1.54	-	5.00	1.96	2.33	-
Total	—	—	—	100.00	100.00	100.00	100.00	100.00	100.00

Source:— Census of India 1971. Goa, Daman and Diu.

TABLE 3.18

**Unemployed Health and Medical personnels (seeking Employment) by period of unemployment,
according to the level of Education and Sex**

Duration of unemployment	Level of Education														
	Doctors			Master/Post Graduates			Bachelors Degree			Diploma and certificates			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Up to 6 months	-	-	-	3	2	1	1	-	1	-	-	-	4	2	2
7 to 12 months	-	-	-	2	2	-	2	1	1	-	-	-	4	3	1
13 to 24 months	-	-	-	1	-	1	1	-	1	1	-	1	3	-	3
25 and more	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Period not Stated	-	-	-	-	-	-	3	2	1	1	-	1	4	2	2
Total	-	-	-	6	4	2	7	3	4	2	-	2	15	7	8

Source: Census of India 1971, Goa, Daman and Diu.

TABLE 3.19

Percentage distribution of unemployed health and Medical Personnel (Seeing Employment) by Period of Unemployment according to the level of Education and Sex

Duration of unemployment	Level of Education														
	Doctorates			Master/Post Graduates			Bachelors Degree			Diploma and certificates			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Up to 6 months	—	—	—	50.00	50.00	50.00	14.29	-	25.00	-	-	-	26.67	28.56	25.00
7 to 12 months	—	—	—	33.33	50.00	-	28.56	33.33	25.00	-	-	-	26.67	42.88	12.50
13 to 24 months	—	—	—	16.67	-	50.00	14.29	-	25.00	50.00	100.00	-	20.00	-	37.50
25 and more	—	—	—	-	-	-	-	-	-	-	-	-	-	-	-
Period not Stated	—	—	—	-	-	-	42.86	66.67	25.00	50.00	-	100.00	26.66	28.56	25.00
Total	—	—	—	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Source: — Census of India 1971, Goa, Daman and Diu.

SECTION - 4

Agricultural & Allied Personnel

The present section dealing with scientific, technical and managerial persons engaged in Agriculture and Allied Activities mainly comprises of the data collected from 1971 census for the occupations shown below: —

Code No.	Occupation
052	Silviculturists.
053	Agronomists and Agricultural Scientists.
059	Life Scientists n. e. c.
600	Farm Managers and Supervisors Crop Production.
602	Farm Managers/Horticulture.

The stock of Agricultural and Allied Personnel according to 1971 Census by Occupations is dealt in Table 4.1. Table 4.2 gives industrial distribution of such persons who hold technical degree in agriculture. Such details are available for urban areas only. The persons holding degree in Veterinary and Dairy are also included in this table.

Distribution Agricultural and Allied Personnel by Census Industrial Category and sex together with its percentage distribution in rural and urban areas is shown in Tables 4.3 and 4.4 respectively.

Distribution of personnel in each occupation by Census Industrial Category for Rural and Urban areas may be seen in Table 4.5. The percentage distribution in each census industrial category by occupation and also percentage distribution in each occupation by census industrial category for rural and urban areas is worked out in Tables 4.6 and 4.7, respectively.

The position of work seekers who were registered in Employment Exchange for the years 1972 to 1974 is given in Table 4.8.

All the remaining tables from 4.9 to 4.19 are depicted from the 1971 Census publication named Degree Holders and Technical Personnel. Tables Part VII(i) and Part VII(ii).

Table 4.9 presents the data about Agriculture and Veterinary Science medicine personnel classified by education level and sex.

The cross classification of this Agriculture and Veterinary personnel by countries of their education and sex depicted in Table 4.10. The same data are presented by percentage distribution in Table 4.11. Table No. 4.12 sub-classifies these degree holders by status and level of Education. Table 4.13 gives the percentage distribution of the same.

The employed personnel in Agriculture and Veterinary Science are depicted in Tables 4.14 to 4.17. The distribution of employed personnel, employed in different type of organisations in public and private sectors are given in Table 4.14. Table 4.15 gives the percentage distribution.

In other two Tables i. e. 4.16 and 4.17 the same data are classified into monthly emolument and by age-groups.

Data relating to unemployment among Agriculture and Allied personnel and those who are seeking Employment are presented in Table 4.18. The same data are presented by percentage in Table 4.19.

TABLE 4.1

Agricultural and Allied Personnel Working in Rural & Urban Areas of Goa, Daman and Diu by Occupation & Sex, According to 1971 Census

Occupation	Rural			Urban			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
052 — Silviculturists	-	-	-	-	-	-	-	-	-
053 — Agronomists & Agricultural Scientists	26	26	-	41	41	-	67	67	-
059 — Life Scientists n. e. c. ...	-	-	-	1	1	-	1	1	-
600 — Farm manager & supervisors crop production	40	38	2	17	17	-	57	55	2
602 — Farm Managers / Horticulture	2	2	-	1	1	-	3	3	-
Total	68	66	2	60	60	-	128	126	2

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 4.2

Distribution of Persons Holding Technical Degree in Agriculture, Veterinary & Dairying in Urban Areas of Goa, Daman and Diu by Census Industrial category & Sex, 1971

1971 Census Industrial Category	Persons		Male		Female	
	Number	Percent	Number	Percent	Number	Percent
1	2	3	4	5	6	7
I. As cultivators	-	-	-	-	-	-
II. As agricultural Labourers	-	-	-	-	-	-
III. In Livestock, Forestry, Fishing, Hunting, plantations and allied activities	6	15.39	6	15.39	-	-
IV. Mining & Quarrying ...	1	2.56	1	2.56	-	-
V. Manufacturing, processing, servicing & repairs as household Industry	-	-	-	-	-	-
V. b Other than household Industry	2	5.13	2	5.13	-	-
VI. Construction	1	2.56	1	2.56	-	-
VII. Trade & Commerce ...	1	2.56	1	2.56	-	-
VIII. Transport, storage and communications	-	-	-	-	-	-
IX. Other services	28	71.80	28	71.80	-	-
ToTtal	39	100.00	39	100.00	-	-

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 4.3

Distribution of Agricultural and Allied Personnel in Rural and Urban Areas of Goa, Daman and Diu by Census Industrial Category and sex, 1971

1971 Census Industrial Category	Rural			Urban			Total		
	Persons	Male	Female	Persons	Male	Female	Persons	Male	Female
1	2	3	4	5	6	7	8	9	10
III. Livestock, Forestry, Fishing, Hunting, plantation, orchards & allied activities	32	30	2	27	27	-	59	57	2
IV. Mining & Quarrying	-	-	-	-	-	-	-	-	-
IV. Manufacturing, processing, servicing, repairs									
a) household industry	-	-	-	-	-	-	-	-	-
b) Other than household industry	-	-	-	2	2	-	2	2	-
VI. Construction	-	-	-	-	-	-	-	-	-
VII. Trade and commerce	-	-	-	1	1	-	1	1	-
VIII. Transport, storage & communications	-	-	-	-	-	-	-	-	-
IX. Other services	36	36	-	30	30	-	66	66	-
Total	68	66	2	60	60	-	128	126	2

Source: — Census of India 1971, Goa, Daman and Diu.

TABLE 4.4

Percentage Distribution of Agricultural and Allied Personnel in Rural and Urban Areas of Goa, Daman and Diu by Census Industrial category and sex, 1971

1971 Census Industrial Category	Rural			Urban			Total		
	Persons	Male	Female	Persons	Male	Female	Persons	Male	Female
1	2	3	4	5	6	7	8	9	10
III. Livestock, Forestry, Fishing, hunting and plantation orchards & allied activities	47.06	45.45	100.00	45.00	45.00	-	46.10	45.24	100.00
IV. Mining & Quarrying	-	-	-	-	-	-	-	-	-
V. Manufacturing, processing, servicing & Repairs									
a) In household Industry	-	-	-	-	-	-	-	-	-
b) Other than household Industry	-	-	-	3.33	3.33	-	1.56	1.59	-
VI. Construction	-	-	-	-	-	-	-	-	-
VII. Trade and commerce	-	-	-	1.67	1.67	-	0.78	0.79	-
VIII. Transport, storage & communications	-	-	-	-	-	-	-	-	-
IX. Other services	52.94	54.55	-	50.00	50.00	-	51.56	52.38	-
Total	100.00	100.00	100.00	100.00	100.00	-	100.00	100.00	100.00
Actual Number ...	68	66	2	60	60	-	128	126	2

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 4.5

Agricultural and Allied Personnel in Rural and Urban Areas of Goa, Daman and Diu in each Occupation by Census Industrial Category, 1971

Occupation		III	IV	V		VI	VII	VIII	IX	Total
		Livestock, Forestry, Fishing, Hunting, Plantation, Orchards and allied activities	Mining and Quarrying	Household Industry	Other than Household industry	Manufacturing processing and repairs	Construction	Trade and Commerce	Transport Storage and Communication	
	1	2	3	4	5	6	7	8	9	10
052 Silviculturists	T	-	-	-	-	-	-	-	-	-
	R	-	-	-	-	-	-	-	-	-
	U	-	-	-	-	-	-	-	-	-
053 Agronomists & Agricultural Scientists	T	17	-	-	2	-	1	-	47	67
	R	2	-	-	-	-	-	-	24	26
	U	15	-	-	2	-	1	-	23	41
059 Life Scientists n.e.c.	T	-	-	-	-	-	-	-	1	1
	R	-	-	-	-	-	-	-	-	-
	U	-	-	-	-	-	-	-	1	1
600 Farm Manager, Supervisor, Crop-production	T	39	-	-	-	-	-	-	18	57
	R	28	-	-	-	-	-	-	12	40
	U	11	-	-	-	-	-	-	6	17
602 Farm Manager / Horticulture	T	3	-	-	-	-	-	-	-	3
	R	2	-	-	-	-	-	-	-	2
	U	1	-	-	-	-	-	-	-	1
Total	T	59	-	-	2	-	1	-	66	128
	R	32	-	-	-	-	-	-	36	68
	U	27	-	-	2	-	1	-	30	60

Source: - Census of India 1971, Goa, Daman and Diu.

TABLE 4.6

Percentage Distribution of Agricultural and Allied Personnel in Goa, Daman and Diu in each Census Industrial category by occupations, 1971

1971 Census Industrial Category/ Occupation		III	IV	V	VI	VII	VIII	IX	Total	
		Livestock, Forestry, Fishing, Hunting, Plantation, Orchards and allied activities	Mining and Quarrying	Manufacturing processes and repairs a) House hold Industry b) Other than House-hold Industry	Construction	Trade and Commerce	Transport Storage and Communication	Other Services		
		2	3	4	5	6	7	8	9	10
052 Silviculturists	T	-	-	-	-	-	-	-	-	-
	R	-	-	-	-	-	-	-	-	-
	U	-	-	-	-	-	-	-	-	-
053 Agronomists & Agricultural Scientists	T	28.81	-	-	100.00	-	100.00	-	71.21	52.35
	R	6.25	-	-	-	-	-	-	66.67	38.24
	U	55.56	-	-	100.00	-	100.00	-	76.67	68.33
059 Life Scientists n.e.c. ...	T	-	-	-	-	-	-	-	1.52	0.78
	R	-	-	-	-	-	-	-	-	-
	U	-	-	-	-	-	-	-	3.33	1.67
600 Farm Manager, Supervisor, & Crop-production	T	66.10	-	-	-	-	-	-	27.27	44.53
	R	87.50	-	-	-	-	-	-	33.33	58.82
	U	40.74	-	-	-	-	-	-	20.00	28.33
602 Farm Manager / Horticulture	T	5.09	-	-	-	-	-	-	-	2.34
	R	6.25	-	-	-	-	-	-	-	2.94
	U	3.70	-	-	-	-	-	-	-	1.67
Total	T	100.00	-	-	100.00	-	100.00	-	100.00	100.00
	R	100.00	-	-	-	-	-	-	100.00	100.00
	U	100.00	-	-	100.00	-	100.00	-	100.00	100.00
Actual Number	T	59	-	-	2	-	1	-	66	128
	R	32	-	-	-	-	-	-	36	68
	U	27	-	-	2	-	1	-	30	60

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 4.7

Percentage Distribution of Agricultural and Allied Personnel in Goa, Daman and Diu, in each Occupation by Census Industrial Category, 1971

1971 Census Industrial Category		Silviculturists	Agronomists and Agricultural Scientists	Life Scientists n.e.c.	Farm Managers and Supervisors and crop production	Farm Managers/ Horticulture	Total
		052	053	059	600	602	
		2	3	4	5	6	7
III. Livestock, Forestry, Fishing, Hunting, Plantation, Orchard and allied activi- ties	T	-	25.37	-	68.42	100.00	46.10
	R	-	7.69	-	70.00	100.00	47.06
	U	-	36.58	-	64.71	100.00	45.00
VI. Mining and Quarry- ing	T	-	-	-	-	-	-
	R	-	-	-	-	-	-
	U	-	-	-	-	-	-
V. Manufacturing, Pro- cessing, Servicing & repairs.							
	a) Household In- dustry	T	-	-	-	-	-
	R	-	-	-	-	-	-
U	-	-	-	-	-	-	
b) Other than household In- dustry	T	-	2.49	-	-	-	1.56
R	-	-	-	-	-	-	-
U	-	-	4.88	-	-	-	3.33
VI. Construction	T	-	-	-	-	-	-
	R	-	-	-	-	-	-
	U	-	-	-	-	-	-
VII. Trade and Com- merce	T	-	1.49	-	-	-	0.79
	R	-	-	-	-	-	-
	U	-	2.44	-	-	-	1.67
VIII. Transport, Storage & Communication	T	-	-	-	-	-	-
	R	-	-	-	-	-	-
	U	-	-	-	-	-	-
IX. Other Services	T	-	70.15	100.00	31.58	-	51.56
	R	-	92.31	-	30.00	-	52.94
	U	-	56.10	100.00	35.29	-	50.50
Total	T	-	100.00	100.00	100.00	100.00	100.00
	R	-	100.00	-	100.00	100.00	100.00
	U	-	100.00	100.00	100.00	100.00	100.00
Actual Number ..	T	-	67	1	57	3	128
	R	-	26	-	40	2	68
	U	-	41	1	17	1	60

Source: — Census of India 1971, Goa, Daman and Diu.

TABLE 4.8

Distribution of work seekers Registered as Agricultural and Allied Personnel in Goa, Daman and Diu who were on the Live Register of Employment Exchange by occupation 1972 to 1977

Year	Farm Manager and Supervision crop production (600)
1	2
1972	—
1973	3
1974	3
1975	2
1976	2
1977	4

Source: — Employment Exchange, Panaji Goa.

TABLE 4.9

Distribution of Agriculture and Allied Personnel holding Degree by Level of Education

Level of Education	Persons Holding Degree																	
	Agriculture						Animal Husbandry and Veterinary Services						Total					
	Persons		Males		Females		Persons		Males		Females		Persons		Males		Females	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1. Doctorate	1	1.37	-	-	1	1.39	-	-	-	-	-	-	1	1.21	1	1.23	-	-
2. Masters Degree	6	8.22	-	-	5	6.95	-	-	-	-	-	-	6	7.32	5	6.17	1	100.00
3. Other Post Graduate Degree/Diploma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. Bachelors degree	60	82.19	-	-	60	83.33	9	100.00	9	100.00	-	-	69	84.15	69	85.18	-	-
5. Bachelors equivalent	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. Diploma	6	8.22	-	-	6	8.33	-	-	-	-	-	-	6	7.32	6	7.41	-	-
7. Certificate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	73	100.00	-	-	72	100.00	9	100.00	9	100.00	-	-	82	100.00	81	100.00	1	100.00

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 4.10

**Distribution of Agriculture and veterinary Personnel according to their countries
of education and level of degree and sex**

Country of Education	Level of Education														
	Doctorate			Master and other Post Graduate			Bachelors Degree			Others			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
India	-	-	-	6	5	1	66	66	-	6	6	-	78	77	1
U. K.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
U. S. A.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
U. S. S. R.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Germany	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other European Countries	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Australia/New Zealand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	1	1	-	-	-	-	1	1	-
Others	-	-	-	-	-	-	2	2	-	-	-	-	2	2	-
Not stated	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	1	1	-	6	5	1	69	69	-	6	6	-	81	80	1

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 4.11
Percentage distribution of Agriculture and Veterinary Personnel according to their
countries of Education by level of degree and sex

Country of Education	Level of Education														
	Doctorate			Master and other Post Graduate			Bachelors Degree			Others			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
India	-	-	-	100.00	100.00	100.00	95.65	95.65	-	100.00	100.00	-	96.30	96.25	100.00
U. K.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
U. S. A.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
U. S. S. R.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Germany	100.00	100.00	-	-	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other European Countries	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Australia/New Zealand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	1.45	1.45	-	-	-	-	1.23	1.25	-
Others	-	-	-	-	-	-	2.90	2.90	-	-	-	-	2.47	2.50	-
Not stated	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	100.00	100.00	-	100.00	100.00	100.00	100.00	100.00	-	100.00	100.00	-	100.00	100.00	100.00

TABLE 4.12

Distribution of Agriculture and Veterinary Personnel holding degree by status and level of Education

Status	Level of Education																				
	Doctorate			Master's degree			Other Post Graduates degree or diploma			Bachelor's Degree			Bachelors Equivalent			Diploma/Certificate			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Employees	1	1	-	6	5	1	-	-	-	55	55	-	-	-	-	4	4	-	66	65	1
Self Employed	-	-	-	-	-	-	-	-	-	7	7	-	-	-	-	-	-	-	7	7	-
Students	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trainees	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apprentices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Retired	-	-	-	-	-	-	-	-	-	5	5	-	-	-	-	1	1	-	6	6	-
Unemployed trying for job	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1	-
Unemployed not trying for job	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	1	1	-
Unspecified	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	1	1	-
Total	1	1	-	6	5	1	-	-	-	69	69	-	-	-	-	6	6	-	82	81	1

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 4.13

Percentage Distribution of Agriculture and Veterinary personnel holding degree by status and level of Education

Status	Level of Education																				
	Doctorate			Masters Degree			Other Post-Graduate Degree/Diploma			Bachelors degree			Bachelors equivalent			Diploma/Certificate			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Employees	100.00	100.00	-	100.00	100.00	100.00	-	-	-	79.71	79.71	-	-	-	-	66.67	66.67	-	80.49	80.25	100.00
Self Employed	-	-	-	-	-	-	-	-	-	10.14	10.14	-	-	-	-	-	-	-	8.53	8.64	-
Students	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trainees	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apprentices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Retired	-	-	-	-	-	-	-	-	-	7.25	7.25	-	-	-	-	16.67	16.67	-	7.32	7.41	-
Unemployed trying for job	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.22	1.23	-
Unemployed and not trying for job	-	-	-	-	-	-	-	-	-	1.45	1.45	-	-	-	-	16.66	16.66	-	1.22	1.23	-
Unspecified	-	-	-	-	-	-	-	-	-	1.45	1.45	-	-	-	-	-	-	-	1.22	1.24	-
Total	100.00	100.00	-	100.00	100.00	100.00	-	-	-	100.00	100.00	-	-	-	-	100.00	100.00	-	100.00	100.00	100.00

TABLE 4.14

Distribution of employed Agriculture and Veterinary Personnel (other than self employment) by type of organisation sector and sex

Type of organisation	Public sector			Private sector			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
1— University etc.	1	1	-	-	-	-	1	1	-
2— Polytechnic	-	-	-	-	-	-	-	-	-
3— Schools	-	-	-	1	1	-	1	1	-
4— Private coaching Institutions	-	-	-	-	-	-	-	-	-
5— Natural Resources	-	-	-	-	-	-	-	-	-
6— Social and Development Organisations	7	7	-	1	1	-	8	8	-
7— Public Sector Industries	2	2	-	-	-	-	2	2	-
8— Other Govt. Organisation	43	43	-	-	-	-	43	43	-
9— Private Sector Industries	-	-	-	4	3	1	4	3	1
10— Others	4	4	-	3	3	-	7	7	-
Total	57	57	-	9	8	1	66	65	1

Source: — Census of India 1971, Goa, Daman and Diu.

TABLE 4.15

Percentage distribution of employed Agriculture and Veterinary Personnel (other than Self-employment) by type of Organisation, Sector and Sex

Type of organisation	Public sector			Private sector			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
1 - University etc.	1.75	1.75	-	-	-	-	1.51	1.54	-
2 - Polytechnic	-	-	-	-	-	-	-	-	-
3 - Schools	-	-	-	11.11	12.50	-	1.51	1.54	-
4 - Private coaching Institutions	-	-	-	-	-	-	-	-	-
5 - Natural Resources	-	-	-	-	-	-	-	-	-
6 - Social and Development Organisations	12.28	12.28	-	11.11	12.50	-	12.12	12.31	-
7 - Public Sector Industries	3.51	3.51	-	-	-	-	3.03	3.08	-
8 - Other Govt. Organisation	75.44	75.44	-	-	-	-	65.15	66.15	-
9 - Private Sector Industries	-	-	-	44.45	37.50	100.00	6.07	4.61	100.00
10 - Others	7.02	7.02	-	33.33	37.50	-	10.61	10.77	-
Total	100.00	100.00	-	100.00	100.00	100.00	100.00	100.00	100.00

Source: — Census of India 1971, Goa, Daman and Diu.

TABLE

**Distribution of Degree holders in Agriculture and Veterinary
classified by**

Age-Group	Emoluments									
	Less than 100			100-499			500-999			
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	
1	2	3	4	5	6	7	8	9	10	
Public Sector										
Less than 25 years	-	-	-	10	10	-	-	-	-	-
25—34 years	-	-	-	16	16	-	4	4	-	-
35—44 years	-	-	-	2	2	-	15	15	-	-
45—54 years	-	-	-	-	-	-	2	2	-	-
55 years and above	-	-	-	-	-	-	1	1	-	-
Age not stated	-	-	-	1	1	-	-	-	-	-
Total	-	-	-	29	29	-	22	22	-	-
Private Sector										
Less than 25 years	-	-	-	1	1	-	-	-	-	-
25—34 years	-	-	-	2	2	-	1	1	-	-
35—44 years	-	-	-	-	-	-	-	-	-	-
45—54 years	-	-	-	1	1	-	-	-	-	-
55 years and above	-	-	-	-	-	-	-	-	-	-
Age not stated	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	4	4	-	1	1	-	-
Self-Employed										
Less than 25 years	-	-	-	-	-	-	-	-	-	-
25—34 years	-	-	-	-	-	-	1	1	-	-
35—44 years	-	-	-	-	-	-	1	1	-	-
45—54 years	-	-	-	-	-	-	-	-	-	-
55 years and above	-	-	-	-	-	-	-	-	-	-
Age not stated	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	2	2	-	-
Total										
Less than 25 years	-	-	-	11	11	-	-	-	-	-
25—34 years	-	-	-	18	18	-	6	6	-	-
35—44 years	-	-	-	2	2	-	16	16	-	-
45—54 years	-	-	-	1	1	-	2	2	-	-
55 years and above	-	-	-	-	-	-	1	1	-	-
Age not stated	-	-	-	1	1	-	-	-	-	-
Total	-	-	-	33	33	-	25	25	-	-

Source:— Census of India 1971, Goa, Daman and Diu,

4.16

**Science Medicine by age-group and Sector of Employment
monthly Emoluments**

in Rs.

1000-1999			2000 and above			Unspecified			Total		
Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
11	12	13	14	15	16	17	18	19	20	21	22
-	-	-	-	-	-	1	1	-	11	11	-
-	-	-	-	-	-	3	3	-	23	23	-
1	1	-	-	-	-	1	1	-	19	19	-
-	-	-	-	-	-	-	-	-	2	2	-
-	-	-	-	-	-	-	-	-	1	1	-
-	-	-	-	-	-	-	-	-	1	1	-
1	1	-	-	-	-	5	5	-	57	57	-
-	-	-	-	-	-	-	-	-	1	1	-
-	-	-	-	-	-	-	-	-	3	3	-
1	1	-	-	-	-	1	-	1	2	1	1
-	-	-	-	-	-	1	1	-	2	2	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	1	1	-	1	1	-
1	1	-	-	-	-	3	2	1	9	8	1
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	1	1	-	2	2	-
-	-	-	-	-	-	2	2	-	3	3	-
-	-	-	-	-	-	1	1	-	1	1	-
-	-	-	-	-	-	1	1	-	1	1	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	5	5	-	7	7	-
-	-	-	-	-	-	1	1	-	12	12	-
-	-	-	-	-	-	4	4	-	28	28	-
2	2	-	-	-	-	4	3	1	24	23	1
-	-	-	-	-	-	2	2	-	5	5	-
-	-	-	-	-	-	1	1	-	2	2	-
-	-	-	-	-	-	1	1	-	2	2	-
2	2	-	-	-	-	13	12	1	73	72	1

TABLE

**Percentage Distribution of Degree holders in Agriculture
of Employment classified**

Age-Group and sector	Emoluments									
	Less than 100			100-499			500-999			
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	
1	2	3	4	5	6	7	8	9	10	
Public Sector										
Less than 25 years	—	—	—	34.48	34.48	-	-	-	-	-
25—34 years	—	—	—	55.17	55.17	-	18.18	18.18	-	-
35—44 years	—	—	—	6.90	6.90	-	68.18	68.18	-	-
45—54 years	—	—	—	-	-	-	9.19	9.19	-	-
55 years and above	—	—	—	-	-	-	4.54	4.54	-	-
Age not stated	—	—	—	3.45	3.45	-	-	-	-	-
Total	—	—	—	100.00	-	-	100.00	100.00	-	-
Private Sector										
Less than 25 years	—	—	—	25.00	25.00	-	-	-	-	-
25—34 years	—	—	—	50.00	50.00	-	100.00	100.00	-	-
35—44 years	—	—	—	-	-	-	-	-	-	-
45—54 years	—	—	—	25.00	25.00	-	-	-	-	-
55 years and above	—	—	—	-	-	-	-	-	-	-
Age not stated	—	—	—	-	-	-	-	-	-	-
Total	—	—	—	100.00	100.00	-	100.00	100.00	-	-
Self-Employed										
Less than 25 years	—	—	—	-	-	-	50.00	50.00	-	-
25—34 years	—	—	—	-	-	-	50.00	50.00	-	-
35—44 years	—	—	—	-	-	-	-	-	-	-
45—54 years	—	—	—	-	-	-	-	-	-	-
55 years and above	—	—	—	-	-	-	-	-	-	-
Age not stated	—	—	—	-	-	-	-	-	-	-
Total	—	—	—	-	-	-	100.00	100.00	-	-
Less than 25 years	—	—	—	23.33	23.33	-	-	-	-	-
25—34 years	—	—	—	54.54	54.54	-	24.00	24.00	-	-
35—44 years	—	—	—	6.06	6.06	-	64.00	64.00	-	-
45—54 years	—	—	—	3.03	3.03	-	8.00	8.00	-	-
55 years and above	—	—	—	-	-	-	4.00	4.00	-	-
Age not stated	—	—	—	3.03	3.03	-	-	-	-	-
Total	—	—	—	100.00	100.00	-	100.00	100.00	-	-

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE No. 4.18

**Unemployed Agriculture and Veterinary Personnel by period of unemployment,
according to the level of Education and Sex**

Duration of unemployment	Level of Education												Total		
	Doctorates			Master/Post Graduates			Bachelors Degree			Diploma and Certificates					
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Upto 6 months	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7 to 12 months	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13 to 24 months	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25 and more	-	-	-	-	-	-	-	-	-	1	1	-	1	1	-
Period not stated	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	1	1	-	1	1	-

Source: -- Census of India 1971, Goa, Daman and Diu.

TABLE No. 4.19

**Percentage distribution of unemployed Agriculture and Veterinary Personnel by period of unemployment,
according to the level of Education and Sex**

Duration of unemployment	Level of Education												Total			
	Doctorates			Master/Post graduates			Bachelors degree			Diploma and certificates			Persons	Males	Females	
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Upto 6 months	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7 to 12 months	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13 to 24 months	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25 and more	-	-	-	-	-	-	-	-	-	100.00	100.00	-	100.00	100.00	-	
Period not stated	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	100.00	100.00	-	100.00	100.00	-	

Source: — Population of India, 1971 census.

SECTION - 5

Teaching Personnel

The present section deals with teachers in schools and colleges. The main sources of the information are: — Directorate of Education (including Statistics on Education in India — Ministry of Education Form - A) Census of India - 1971, Post Graduate Research Centre and various colleges. Tables in this section generally have 3 years as reference period i. e. 1967-68, 1970-71 and latest year for which data from different sources were available.

The first table deals with the distribution of teachers in Rural and Urban areas of this territory according to 1971 census. The occupational categories given in census publication conform to various educational stages. Table 5.2 is an abstract of General Education for a time series of 1962-63 to 1977-78.

Table 5.3 to 5.12 relate to teachers for general school education by type of education and institutions etc. The schools for general education in this territory are grouped up into (i) Primary schools (ii) Middle schools (iii) High/Higher Secondary schools. The school wise break up of teachers by sex is shown in table 5.3. Distribution of teacher by professional training and its percentage distribution for Primary, Middle and Secondary section is dealt with in tables 5.4 and 5.5 respectively.

Table 5.6 gives the break up of the teachers by professional training for the various educational stages and by sex including teachers in Pre-Primary stage. The Rural and Urban break up by professional training and stages for 1971-72 may be seen in table 5.7.

Educational level and professional training of the teacher for different stages of school education is dealt with in tables 5.8 and 5.9. These tables are obtained from Form A prescribed by the Ministry and Education. The Educational levels of teachers has been broadly classified into four standards (i) Below Matric (ii) Matriculate and Intermediate (iii) Graduate (iv) Post-Graduate. Training particulars of teachers by educational level have been collected for the years 1967-68, to 1977-78 and the same are given in table 5.9

Further details on the teachers for the general school education by type of organisation and sex are depicted in tables 5.10 and 5.11. The former table gives data on different type of organisation for the schools while the later supplies the details on the teachers under different organisation by Educational level. Table 5.12 deals with the stock of teachers in different talukas in Goa, Daman and Diu. Teachers in vocational, technical and professional education is compiled in table 5.13.

Distribution of teaching personnel for the University Education comprising of colleges for general education, professional education, teachers training etc. is shown in table 5.14. Taluka-wise distribution of the teachers in colleges may be seen in table 5.15. Details on teachers in various types of colleges in Goa, Daman and Diu for the years 1967-68 to 1977-78 are shown in Table 5.16.

Table 5.17 gives the distribution of teachers in colleges by salary group and type of education for the years 1972-73 to 1976-77.

The situation of unemployment based on work seekers enrolled on the Live Register of Employment Exchange for various teaching occupations during the years 1972 to 1977 is recorded in the last table of this section.

TABLE 5.1

Teaching Personnel Working in Rural and Urban Areas of Goa, Daman and Diu by Educational Stages and Sex, According to 1971 Census

Educational Stage	Rural			Urban			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
Teachers University and College	60	41	19	274	222	52	334	263	71
Teachers Higher Secondary and High School.	685	451	234	686	359	327	1,371	810	561
Teachers-Middle School.	1,002	429	573	310	130	180	1,312	559	753
Teachers-Primary	2,142	1,381	761	953	334	619	3,095	1,715	1,380
Teachers Pre-primary ...	13	-	13	19	-	19	32	-	32
Teachers Craft	10	4	6	16	2	14	26	6	20
Teachers n. c. c.	114	97	17	91	57	34	205	154	51
Total	4,026	2,403	1,623	2,349	1,104	1,245	6,375	3,507	2,868

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 5.2

Teachers in Goa, Daman and Diu by type of Education, 1962-63 to 1977-78

Year	Number of teachers		
	General Education (Schools)	College and university Education	Total
1	2	3	4
1962-63	2,560	49	2,609
1963-64	3,103	85	3,188
1964-65	3,858	116	3,974
1965-66	4,215	139	4,354
1966-67	4,448	168	4,616
1967-68	4,837	344	5,181
1968-69	4,990	343	5,333
1969-70	5,387	342	5,729
1970-71	5,866	442	6,100
1971-72	6,093	412	6,505
1972-73	6,480	450	6,930
1973-74	7,009	579	7,588
1974-75	7,532	634	8,166
1975-76	7,721	584	8,305
1976-77	7,946	626	8,572
1977-78	8,010	643	8,653

Source: — Directorate of Education, Panaji.

TABLE 5.3

**Teachers in Schools for General Education in Goa, Daman and Diu by Type of Institutions and Sex
1967-68, 1970-71, 1973-74 and 1976-77**

Type of Institution	1967-68			1970-71			1973-74			1976-77		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13
1 - Pre-Primary Schools	87	-	87	117	-	117	120	-	120	220	-	220
2 - Primary Schools	1,451	854	597	18,78	1,028	850	2,133	1,131	1,002	2,684	1,425	1,259
3 - Middle Schools	1,139	677	462	12,14	650	564	1,159	714	445	1,058	615	443
4 - High/Higher Secondary Schools	2,160	1,061	1,099	2,455	1,376	1,079	3,717	1,975	1,742	4,204	2,138	2,066
Total	4,837	2,592	2,235	5,664	3,054	2,610	7,129	3,820	3,309	8,166	4,178	3,988

Source: — Directorate of Education, Panaji.

TABLE 5.4

**Teachers in Schools for General Educations in Goa, Daman and Diu by
Professional Training 1964-65 to 1977-78**

Year	Primary Section			Middle Section			Secondary Section		
	Total	Train- ed	Un- trained	Total	Trained	Un- trained	Total	Trained	Un- trained
1	2	3	4	5	6	7	8	9	10
1964 - 65	2487	505	1982	750	260	490	586	308	278
1965 - 66	2539	622	1917	875	392	483	633	342	291
1966 - 67	2426	754	1672	1539	555	484	790	469	321
1967 - 68	2496	833	1663	1135	615	520	1067	562	505
1968 - 69	2416	959	1457	1306	752	554	1122	643	479
1969 - 70	2431	1080	1351	1478	849	629	1276	677	599
1970 - 71	2643	1446	1197	1460	906	554	1351	882	469
1971 - 72	2725	1514	1211	1624	1062	562	1577	1013	564
1972 - 73	2995	1808	1187	1738	1085	653	1747	1096	651
1973 - 74	3311	2211	1100	1866	189	677	1832	1180	652
1974 - 75	3615	2490	1125	1961	1302	659	1956	1310	646
1975 - 76	3770	2701	1069	2020	1341	679	1931	1315	616
1976 - 77	3909	2827	1082	2035	1317	718	2002	1472	530
1977 - 78	3927	2927	1000	2060	1406	654	2023	1558	465

Source: — Directorate of Education, Panaji.

TABLE 5.5

**Percentage Distribution of Teachers in Schools for General Education in
Goa, Daman and Diu by Professional Training 1964-65 to 1977-78**

Year	Primary Section			Middle Section			Secondary Section		
	Total	Trained Per- cent	Un- trained Percent	Total	Trained Per- cent	Un- trained Percent	Total	Trained Percent	Untrained Percent
1	2	3	4	5	6	7	8	9	10
1964 - 65	2,487	20.31	79.69	750	34.67	65.33	589	52.56	47.44
1965 - 66	2,539	24.50	75.50	875	44.60	55.20	633	54.03	45.97
1966 - 67	2,426	31.08	68.92	1,039	53.42	46.58	790	59.37	40.63
1967 - 68	2,496	33.37	66.63	1,135	54.19	45.81	1,09	52.67	47.33
1968 - 69	2,416	39.69	60.31	1,301	57.58	42.42	1,122	57.31	42.69
1969 - 70	2,431	44.43	55.57	1,478	57.44	42.56	1,276	53.09	46.94
1970 - 71	2,643	54.71	45.29	1,460	62.05	37.95	1,351	65.28	34.72
1971 - 72 (P)	2,728	56.89	43.11	1,553	67.35	32.65	1,580	64.56	35.44
1972 - 73 (P)	2,995	60.37	39.63	1,738	62.43	37.57	1,747	62.74	37.26
1973 - 74 (P)	3,311	66.78	33.22	1,866	63.72	36.28	1,832	64.41	35.59
1974 - 75	3,615	68.88	31.12	1,961	66.39	33.61	1,956	66.97	33.03
1975 - 76	3,770	71.64	28.36	2,020	66.39	33.61	1,931	68.10	31.90
1976 - 77	3,909	72.32	27.68	2,035	64.72	35.28	2,002	73.53	26.47
1977 - 78	39,27	74.54	25.46	2,060	68.25	31.75	2,023	77.01	22.99

Source: — Directorate of Education, Panaji.

TABLE 5.6

**Teachers in Schools for General Education in Goa, Daman and Diu by Educational Stages and Sex
1967-68 to 1977-78**

Stage of Education	1967-68			1968-69			1969-70			1970-71			1971-72		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Pre-Primary Section	139	10	129	147	15	132	202	17	185	210	22	188	232	24	208
Trained	8	1	7	6	-	6	-	-	-	-	-	-	-	-	-
Un-Trained	131	9	122	141	15	126	202	17	185	210	22	188	232	24	208
Primary Section	2,959	1,652	1,307	2,921	1,489	1,432	3,029	1,582	1,447	3,046	1,451	1,595	2,725	1,307	1,418
Trained	861	412	449	1,073	511	512	1,278	617	661	1,382	658	724	1,514	766	748
Un-Trained	2,098	1,240	858	1,848	978	870	1,758	965	786	1,664	793	871	1,211	541	670
Middle Section	1,209	650	579	1,430	803	627	1,463	760	703	1,481	840	641	1,624	903	721
Trained	595	295	300	769	385	384	834	426	408	954	530	424	1,062	578	484
Un-Trained	614	335	279	661	418	243	629	334	295	527	310	217	562	325	237
Secondary Section	820	505	315	1,035	643	392	1,202	736	466	1,339	872	467	1,577	1,012	565
Trained	540	328	212	604	368	236	677	386	291	829	535	294	1,013	639	374
Un-Trained	280	177	103	431	275	156	525	350	175	510	337	173	564	373	191
All Sections	5,127	2,797	2,330	5,533	2,950	2,583	5,896	3,095	2,801	6,076	3,185	2,891	6,158	3,246	2,912
Trained	2,004	1,036	968	2,452	1,264	1,188	2,789	1,429	1,360	3,165	1,723	1,442	3,589	1,983	1,606
Un-Trained	3,123	1,761	1,362	3,081	1,686	1,395	3,107	1,666	1,441	2,911	1,462	1,449	2,569	1,263	1,306

**Teachers in Schools for General Education in Goa, Daman and Diu by Educational Stages and Sex
1967-68 to 1977-78 (Concl'd.)**

Stage of Education	1972-73			1973-74			1974-75			1975-76			1976-77			1977-78		
	Persons	Male	Female	Persons	Male	Female	Persons	Male	Female	Persons	Male	Female	Persons	Male	Female	Persons	Male	Female
1	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Pre-Primary Section	245	26	219	298	-	298	308	-	308	342	-	342	360	-	360	216	-	216
Trained	-	-	-	-	-	-	-	-	-	119	-	119	129	-	129	96	-	96
Un-trained	245	26	219	298	-	298	308	-	308	223	-	223	231	-	231	120	-	120
Primary Section	2,995	1,447	1,548	3,311	1,568	1,743	3,615	1,681	1,934	3,770	1,750	2,020	3,909	1,811	2,098	3,927	1,788	2,139
Trained	1,808	946	862	2,208	1,122	1,086	2,490	1,242	1,241	2,701	1,338	1,363	2,827	1,443	1,384	2,927	1,447	1,480
Un-trained	1,187	501	686	1,103	446	657	1,125	432	693	1,069	412	657	1,082	368	714	1,000	341	659
Middle Section	1,748	1,001	737	1,866	1,065	801	1,961	1,132	829	2,020	1,159	861	2,035	1,081	954	2,060	1,133	927
Trained	1,085	620	465	1,194	665	529	1,302	724	578	1,341	752	589	1,317	693	624	1,406	766	640
Un-trained	663	381	272	672	400	272	659	408	251	679	407	272	718	388	330	654	367	287
Secondary Section	1,747	1,112	635	1,832	1,187	645	1,956	1,264	692	1,931	1,259	672	2,002	1,321	738	2,023	1,326	697
Trained	1,096	683	413	1,180	758	422	1,310	830	480	1,315	837	478	1,472	928	544	1,558	1,008	550
Un-trained	651	429	222	652	429	223	646	434	212	616	422	194	530	393	194	465	318	147
All Sections	6,735	3,586	3,139	7,307	3,820	3,487	7,840	4,077	3,763	8,063	4,168	3,895	8,307	4,213	4,150	8,226	4,247	3,97
Trained	3,989	2,249	1,740	4,582	2,545	2,037	5,102	2,803	2,299	5,476	2,927	2,549	5,745	3,064	2,681	5,987	3,221	2,766
Un-trained	2,746	1,337	1,399	2,725	1,275	1,450	2,738	1,274	1,464	2,587	1,241	1,346	2,561	1,149	1,469	2,239	1,026	1,213

Source: — Directorate of Education, Panaji.

TABLE 5.7

Teachers in Schools for General Education in Rural and Urban Areas in Goa, Daman and Diu by Educational Stages and Sex, 1971-72 (P)

Stage of Education	Rural			Urban			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
Primary Section	2,178	1,225	953	550	181	369	2,728	1,406	1,322
Trained	1,227	715	512	325	90	235	1,552	805	747
Untrained	951	510	441	225	91	134	1,176	601	575
Middle Section	1,104	666	438	449	215	234	1,553	881	672
Trained	744	430	314	302	125	177	1,046	555	491
Untrained	360	236	124	147	90	57	507	326	181
Secondary Section	973	659	314	607	392	215	1,580	1,051	529
Trained	592	384	208	428	254	174	1,020	638	382
Untrained	381	275	106	179	138	41	560	413	147
All Sections	4,255	2,550	1,705	1,606	788	818	5,861	3,338	2,523
Trained	2,563	1,529	1,034	1,055	469	586	3,618	1,998	1,620
Untrained	1,692	1,021	671	551	319	236	2,243	1,340	903

Source: — Directorate of Education, Panaji.

TABLE 5.8

Teachers in Schools for General Education in Goa, Daman and Diu by Educational level and Sex

Educational level and Stages	1967-68			1968-69			1969-70			1970-71			1971-72		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Primary Stages	2959	1652	1307	2921	1489	1432	3029	1582	1447	3046	1451	1595	2725	1307	1418
Below Matric	}							N. A.							
Matriculate/Intermediate															
Graduate															
Post-Graduate															
Middle Stages	1209	630	579	1430	803	627	1463	760	703	1481	840	641	1624	903	701
Below Matric	}							N. A.							
Matriculate/Intermediate															
Graduate															
Post-Graduate															
High/Higher Secondary Stage	820	505	315	1035	643	392	1202	736	466	1339	872	467	1577	1012	565
Below Matric	}							N. A.							
Matriculate/Intermediate															
Graduate															
Post-Graduate															
All Stages	4988	2787	2201	5386	2935	2451	5694	3078	2616	5866	3163	2703	5926	3222	2704
Below Matric	}							N. A.							
Matriculate/Intermediate															
Graduate															
Post-Graduate															

Teachers in Schools for General Education in Goa, Daman and Diu by Educational level and Sex (Concl'd.)

Educational level and Stages	1972-73			1973-74			1974-75			1975-76			1976-77			1977-78		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Primary Stages	2995	1447	1548	3311	1568	1743	3615	1681	1934	3770	1750	2020	3909	1811	2098	3927	1788	2139
Below Matric	695	436	259	663	410	253	652	374	278	652	374	278	647	367	280	321	184	137
Matriculate/Intermediate	2235	976	1259	2552	1117	1435	2878	1268	1610	3031	1336	1695	3153	1396	1757	3455	1531	1924
Graduate	57	28	29	71	34	37	66	34	32	68	35	33	79	43	26	141	69	72
Post-Graduate	8	7	1	25	7	18	19	5	14	19	5	14	30	5	25	10	4	6
Middle Stages	1738	1001	737	1866	1065	801	1961	1132	829	2020	1159	861	2035	1081	954	2060	1133	927
Below Matric	36	27	9	50	36	14	34	15	19	33	15	18	31	9	22	10	6	4
Matriculate/Intermediate	1475	856	619	1456	827	629	1557	913	644	1621	942	679	1628	869	759	1252	664	588
Graduate	223	115	108	349	196	153	356	195	161	354	194	160	366	197	169	753	429	324
Post-Graduate	4	3	1	11	6	5	14	9	5	12	8	4	10	6	4	45	34	11
High/Hr. Secondary Stage ...	1747	1112	635	1832	1187	645	1956	1264	692	1931	1257	674	2002	1286	716	2023	1326	697
Below Matric	1	1	-	8	8	-	2	-	2	2	-	2	2	-	2	7	4	3
Matriculate/Intermediate	341	254	87	295	222	73	329	264	83	324	247	77	340	261	79	308	229	79
Graduate	1252	738	514	1351	826	525	1430	873	557	1410	865	545	1461	877	584	1461	925	536
Post-Graduate	153	119	35	178	131	47	195	145	50	195	145	50	199	148	51	247	168	79
All Stages	6480	3560	2820	7009	3820	3189	7532	4077	3455	7721	4166	3555	7946	4178	3768	8010	4247	3763
Below Matric	732	464	268	721	454	267	688	389	299	687	389	298	680	376	304	341	194	144
Matriculate/Intermediate	4051	2086	1965	4303	2166	2137	4764	2427	2337	4976	2525	2451	5121	2526	2595	5015	2424	2591
Graduate	1532	881	651	1771	1056	715	1852	1102	750	1832	1094	738	1906	1117	789	2355	1423	932
Post-Graduate	169	129	36	214	144	70	229	159	69	226	158	68	239	159	80	302	206	96

Source: -- Directorate of Education, Panaji.

TABLE 5.9

Teachers in Schools for General Education in Goa, Daman and Diu by Educational level Professional Training and Sex 1967-68 to 1977-78

Educational level	1967-68			1970-71			1973-74 (P)			1974-75		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13
Trained	2018	979	1039	3234	1720	1514	4582	2525	2037	5102	2803	2299
Post-Graduate	45	32	13	62	48	14	-	-	-	184	130	54
Graduate	364	182	182	625	329	99	1166	684	482	1117	631	486
Intermediate/Ma- tric	1395	633	762	2296	1191	1105	2999	1581	1418	3369	1794	1575
Non-Matric	214	132	82	251	152	296	417	280	137	432	248	184
Untrained	2819	1613	1206	2430	1334	1096	2547	1275	1272	2430	1274	1156
Post-Graduate	20	16	4	21	15	6	-	-	-	44	29	15
Graduate	341	215	126	309	206	103	819	516	303	735	471	264
Intermediate/Ma- tric	1556	868	688	1316	690	626	1304	585	719	1895	633	762
Non-Matric	902	514	388	784	423	361	424	174	250	256	141	115
Grand Total	4837	2592	2245	5664	3054	2610	7129	3820	3309	7532	4077	3455

**Teachers in Schools for General Education in Goa, Daman and Diu by Educational level Professional
Training and Sex 1967-68 to 1977-78 (Concl'd.)**

	1975-76			1976-77			1977-78		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
	14	15	16	17	18	19	20	21	22
Trained	5357	2925	2432	5616	3151	2465	5891	3235	2656
Post-Graduate	186	131	55	198	130	67	245	167	78
Graduate	1140	644	496	1337	796	541	1592	962	630
Intermediate/Ma- tric	3578	1886	1692	3854	2075	1779	3872	1992	1880
Non-Matric	453	264	189	228	150	78	182	114	68
Untrained	2364	1241	1123	2330	1454	876	2119	1026	1093
Post-Graduate	40	27	13	35	24	11	57	39	18
Graduate	692	450	242	767	484	283	758	455	303
Intermediate/Ma- tric	1398	639	759	1366	849	517	1148	452	696
Non-Matric	234	125	109	162	97	65	159	80	76
Grand Total	7721	4166	3555	7946	4605	3341	8010	4261	3749

Source: — Directorate of Education, Panaji.

TABLE 5.10

**Teachers in Schools for General Education in Goa, Daman and Diu, by Type of Organisation and Sex
1967-68 to 1977-78**

Type of Organisation	1967-68			1968-69			1969-70			1970-71			1971-72		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<i>Government/Govt. Sponsored</i>															
Pre-primary Schools	}														
Primary Schools															
Middle Schools															
High/Hr. Secondary Schools ...															
<i>Local Bodies</i>															
Pre-primary Schools	}														
Primary Schools															
Middle Schools															
High/Hr. Secondary Schools ...															
<i>Private Aided</i>															
Pre-primary Schools	}														
Primary Schools															
Middle Schools															
High/Hr. Secondary Schools ...															
<i>Private-Un-aided</i>															
Pre-primary Schools	}														
Primary Schools															
Middle Schools															
High/Hr. Secondary Schools ...															
Grand Total	5127	2797	2330	5533	2950	2583	5896	3095	2801	6076	3185	2891	6158	3246	2912

**Teachers in Schools for General Education in Goa, Daman and Diu, by Type of Organisation and Sex
1967-68 to 1977-78 (Concl'd.)**

Type of Institution	1972-73			1973-74			1974-75			1975-76			1976-77			1977-78		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
<i>Government/Govt. Sponsored</i>																		
Pre-primary Schools																		
Primary Schools										N. A.								
Middle Schools																		
High/Hr. Secondary Schools ...																		
<i>Local Bodies</i>																		
Pre-primary Schools																		
Primary Schools										N. A.								
Middle Schools																		
High/Hr. Secondary Schools ...																		
<i>Private Aided</i>																		
Pre-primary Schools																		
Primary Schools										N. A.								
Middle Schools																		
High/Hr. Secondary Schools ...																		
<i>Private-Un-aided</i>																		
Pre-primary Schools																		
Primary Schools										N. A.								
Middle Schools																		
High/Hr. Secondary Schools ...																		
Grand Total	6735	3586	3139	7307	3820	3487	7840	4077	3763	8063	4168	3895	8306	4213	4150	8226	4267	3979

Source: — Directorate of Education, Panaji.

TABLE 5.11

**Distribution of Teachers in Schools for General Education in Goa, Daman and Diu under Different Organisations
by Educational Level, 1973-74 (P)**

Educational level	Primary Section					Middle Section					Secondary Section				
	Government	Local Body	Private aided	Private unaided	Total	Government	Local Body	Private aided	Private unaided	Total	Government	Local Body	Private aided	Private unaided	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Below Matric	607 (91.55)	-	41 (6.19)	15 (2.26)	663 (100.00)	18 (36.00)	-	32 (64.00)	-	50 (100.00)	3 (37.50)	-	4 (50.00)	1 (12.50)	8 (100.00)
Matriculate	1,884 (80.10)	-	444 (18.88)	24 (1.02)	2,352 (100.00)	347 (30.44)	-	773 (68.07)	17 (1.49)	1,140 (100.00)	23 (11.30)	-	148 (83.62)	9 (5.08)	177 (100.00)
Intermediate	30 (65.00)	-	65 (32.50)	5 (2.50)	200 (100.00)	50 (15.82)	-	261 (82.60)	5 (1.58)	316 (100.00)	14 (11.86)	-	100 (84.75)	4 (3.39)	118 (100.00)
Graduate	40 (56.34)	-	31 (43.66)	-	71 (100.00)	42 (12.03)	-	302 (86.54)	5 (1.43)	349 (100.00)	61 (4.51)	-	1,273 (94.23)	17 (1.26)	1,351 (100.00)
Post-Graduate	13 (52.00)	-	12 (48.00)	-	25 (100.00)	1 (9.10)	-	5 (45.45)	5 (45.45)	11 (100.00)	17 (9.55)	-	149 (83.71)	12 (6.74)	178 (100.00)
Others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	2,674 (80.76)	-	593 (17.90)	44 (1.34)	3,311 (100.00)	458 (24.54)	-	1,376 (73.74)	32 (1.72)	1,866 (100.00)	115 (6.28)	-	1,674 (91.37)	43 (2.35)	1,832 (100.00)

Note: Figures in bracket indicate percentages.
Source: — Directorate of Education, Panaji.

TABLE 5.12

Teachers in Schools for General Education in Goa, Daman and Diu by Taluka & Sex 1973-74 to 1977-78

Taluka	1973-74			1974-75			1975-76			1976-77			1977-78		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Goa, Daman & Diu	7009	3820	3189	7532	4077	3455	7721	4166	3555	7946	4178	3768	8010	4247	3763
Goa District	6627	3569	3058	7119	3807	3312	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	7582	3961	3621
Tiswadi	959	444	515	1001	462	539	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	1018	434	584
Salcete	1323	520	803	1391	555	836	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	1665	603	1062
Badrez	1112	537	575	1153	549	604	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	1312	643	669
Marmugao	408	162	246	456	188	268	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	494	183	311
Ponda	701	451	250	757	482	275	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	818	513	305
Bicholim	487	349	138	525	368	157	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	512	394	118
Pernem	456	344	112	485	355	130	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	493	376	117
Quepem	351	214	137	397	237	160	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	383	224	159
Sanguem	336	222	114	378	242	136	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	332	222	110
Canacona	275	104	121	311	174	137	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	301	170	131
Satari	219	172	47	265	195	70	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	254	199	55
Daman District	233	140	93	252	150	102	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	270	152	118
Daman	233	140	93	252	150	102	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	270	152	118
Diu District	149	111	38	161	120	41	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	158	134	24
Diu	149	111	38	161	120	41	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	158	134	24

Note: Excluding 120 Teachers of pre-primary education for 1973-74.

Source: Directorate of Education, Panaji.

TABLE 5.13

Teachers in Vocational and Technical Education in Goa, Daman and Diu 1967-68 to 1977-78

Type of Institutions	1967-68			1968-69			1969-70			1970-71			1971-72		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<i>Vocational</i>															
1. Fine Arts	12	8	4	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	19	11	8	N. A.	N. A.	N. A.
2. Seminaries	32	32	-	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	43	43	-	N. A.	N. A.	N. A.
3. Food Craft Centre	-	-	-	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	7	6	1	N. A.	N. A.	N. A.
4. Mobile Craft	20	-	20	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	-	-	-	N. A.	N. A.	N. A.
5. Social Service	8	7	1	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	6	6	-	N. A.	N. A.	N. A.
6. Social (Adult Edu.)	83	64	19	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	66	45	21	N. A.	N. A.	N. A.
<i>Technical</i>															
7. Industrial Training Institute	5	5	-	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	10	10	-	N. A.	N. A.	N. A.
8. Junior Technical	25	20	5	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	28	23	5	N. A.	N. A.	N. A.
Total	185	136	49	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	179	144	35	N. A.	N. A.	N. A.

Teachers in Vocational and Technical Education in Goa, Daman and Diu 1967-68 to 1977-78 (Concl'd.)

Type of Institutions	1972-73			1973-74			1974-75			1975-76			1976-77			1977-78		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
<i>Vocational</i>																		
1. Fine Arts	19	11	8	24	20	4	25	21	4	28	22	6	30	23	7	29	23	6
2. Seminaries	29	28	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. Food Craft Centre	16	11	5	10	8	2	9	8	1	8	6	2	8	6	2	8	6	2
4. Mobile Craft	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5. Social Service	7	6	1	8	7	1	9	9	-	11	11	-	11	11	-	11	11	-
6. Social (Adult Edu.)	94	62	32	200	154	46	15	12	3	78	52	26	75	50	25	15	11	4
<i>Technical</i>																		
7. Industrial Training Institute	11	10	1	12	10	2	14	12	2	47	47	-	47	47	-	49	49	-
8. Junior Technical	29	24	5	26	26	-	26	26	-	27	27	-	29	29	-	28	28	-
Total	205	152	53	280	225	55	98	88	10	199	165	34	200	166	34	140	128	12

Source: — Directorate of Education, Panaji.

TABLE 5.14

Teachers in Colleges, Goa, Daman and Diu by Type of Institutions and Sex 1967-68 to 1976-77

Type of Institution	1967-68			1968-69			1969-70			1970-71			1971-72			
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
University Teaching Departments/Colleges *	4	4	-	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	12	11	1	15	14	1
Colleges for General Education	187	153	34	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	221	170	51	230	184	46
Colleges for Professional Education	146	126	20	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	136	125	11	155	125	30
Teachers Training	7	3	4	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	49	23	26	37	25	12
Colleges for special Education	-	-	-	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	-	-	-	-	-	-
Total	344	286	58	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	418	329	89	437	348	89

Teachers in Colleges, Goa, Daman and Diu by type of Institutions and sex 1967-68 to 1976-77 (Concl.)

Type of Institution	1972-73			1973-74			1974-75			1975-76			1976-77		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
University Teaching Departments/Colleges *	13	13	-	24	24	-	32	31	1	30	29	1	30	29	1
Colleges for General Education	213	173	40	234	188	46	287	223	64	291	230	61	302	233	69
Colleges for Professional Education	212	178	34	245	199	46	184	148	36	202	161	41	199	172	27
Teachers Training	36	23	13	68	49	19	41	27	14	43	32	11	58	33	25
Colleges for special Education	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	474	387	87	571	460	111	544	429	115	566	452	114	589	467	122

*University teaching department under Bombay University.

Source: — Directorate of Education, Panaji.

TABLE 5.15

Teachers in Colleges in Goa, Daman and Diu by Talukas and Sex 1967-68 to 1977-78

Talukas	1967-68			1968-69			1969-70			1970-71			1971-72		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Goa, Daman & Diu	344	286	58	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	418	329	89	437	348	89
Goa District	331	273	58	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	398	311	87	416	327	89
Tiswadi	222	184	38	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	255	204	51	263	212	51
Bardez	32	29	3	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	58	48	10	58	50	8
Pernem	-	-	-	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	-	-	-	-	-	-
Bicholim	-	-	-	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	-	-	-	-	-	-
Satari	-	-	-	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	-	-	-	-	-	-
Ponda	11	11	-	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	-	-	-	-	-	-
Sanguem	-	-	-	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	-	-	-	-	-	-
Canacona	-	-	-	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	-	-	-	-	-	-
Quepem	-	-	-	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	-	-	-	-	-	-
Salcete	66	49	17	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	85	59	26	95	65	30
Mormugao	-	-	-	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	-	-	-	-	-	-
Daman District	13	13	-	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	20	18	2	21	21	-
Daman	13	13	-	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	20	18	2	21	21	-
Diu District	-	-	-	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	-	-	-	-	-	-
Diu	-	-	-	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	-	-	-	-	-	-

Teachers in Colleges in Goa, Daman and Diu by Talukas and Sex 1967-68 to 1977-78 (Concl'd.)

Talukas	1972-73			1973-74			1974-75			1975-76			1976-77			1977-78		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Goa, Daman & Diu	474	387	87	571	460	111	544	429	115	566	452	114	589	467	122	643	499	144
Goa District	450	364	86	541	431	110	513	399	114	536	423	113	559	438	121	614	471	143
Tiswadi	328	271	57	307	246	61	292	233	59	303	237	66	301	247	54	345	263	82
Bardez	55	46	9	72	61	11	67	53	14	70	59	11	88	63	25	94	73	21
Pernem	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicholim	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Satari	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ponda	30	30	-	29	29	-	26	25	1	27	27	-	27	27	-	30	30	-
Sanguem	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Canacona	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quepem	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salcete	28	8	20	121	85	36	110	75	35	112	80	32	118	83	35	134	96	38
Mormugao	9	9	-	12	10	2	18	13	5	24	20	4	25	18	7	11	9	2
Daman District	24	23	1	30	29	1	31	30	1	30	29	1	30	29	1	29	28	1
Daman	24	23	1	30	29	1	31	30	1	30	29	1	30	29	1	29	28	1
Diu District	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diu	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 5.16

Teachers in Colleges by Teaching Departments and type of Education 1967-68 to 1977-78

Types of College	1967-68			1968-69			1969-70			1970-71			1971-72		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1. Engineering College	11	11	-	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	32	31	1	N. A.	N. A.	N. A.
2. College of Commerce	19	16	3	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	21	16	5	N. A.	N. A.	N. A.
3. College of Medicine	71	57	14	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	102	71	31	N. A.	N. A.	N. A.
4. Pharmacy College	28	25	3	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	34	30	4	N. A.	N. A.	N. A.
5. Teachers Traing College...	7	3	4	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	10	6	4	N. A.	N. A.	N. A.
6. Arts College	191	157	34	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	222	175	47	N. A.	N. A.	N. A.
7. Science College (Including university teaching Deptt.)															
8. Law College	-	-	-	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	-	-	-	N. A.	N. A.	N. A.
9. College of Art & Craft (Kala Academy)	-	-	-	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	-	-	-	N. A.	N. A.	N. A.
10. Polytechnic	17	17	-	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	21	21	-	N. A.	N. A.	N. A.
Total	344	286	58	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	442	350	92	N. A.	N. A.	N. A.

Teachers in Colleges by Teaching Departments and type of Education 1967-68 to 1977-78 (Concl'd.)

Types of College	1972-73			1973-74			1974-75			1975-76			1976-77			1977-78		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1. Engineering College	30	30	-	29	29	-	26	25	1	27	27	-	27	27	-	30	30	-
2. College of Commerce	32	28	4	32	24	8	67	50	17	75	59	16	92	70	22	79	66	13
3. College of Medicine	88	62	26	94	64	30	79	52	27	80	49	31	80	61	19	99	59	40
4. Pharmacy College	34	31	3	39	35	4	39	34	5	39	34	5	25	21	4	38	34	4
5. Teachers Traing College...	36	23	13	68	49	19	41	27	14	43	32	11	58	33	25	78	58	20
6. Arts College																		
7. Science College (Includ- ing university teaching Deptt.)	217	177	40	258	212	46	252	204	48	246	200	46	240	192	48	251	194	57
8. Law College	-	-	-	8	6	2	7	7	-	13	12	1	12	12	-	11	11	
9. College of Art & Craft (Kala Academy)	5	4	1	8	8	-	9	8	1	16	15	1	16	14	2	16	14	2
10. Polytechnic	32	32	-	35	33	2	24	22	2	27	24	3	39	37	2	41	37	4
Total	474	387	87	571	460	111	544	429	115	566	452	114	589	467	122	643	503	140

Source: — Directorate of Education, Panaji.

TABLE 5.17

Teachers in Colleges in Goa, Daman and Diu by Salary Group 1972-73 to 1976-77

Type of Colleges	1972-73 (P)							1973-74 (P)						
	Honorary Part time	Below Rs. 250	Rs. 251-400	Rs. 401-700	Rs. 701-1,000	Above Rs. 1,000	Total	Honorary Part time	Below Rs. 250	Rs. 251-400	Rs. 401-700	Rs. 701-1,000	Above Rs. 1,000	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Engineering College														
College for Commerce														
College for Medicine														
Pharmacy College														
Teachers Training College ...								N. A.						N. A.
Art College/Science College ...														
Govt. Polytechnic														
Law College														
College for Art & Crafts (Kala Academy)														
Total														

Teachers in Colleges in Goa, Daman and Diu by Salary Group 1972-73 to 1976-77 (Concl'd.)

Type of Colleges	1974-75							1975-76					1976-77						
	Honorary Part time	Below Rs. 250	Rs. 251-400	Rs. 401-700	Rs. 701-1,000	Above Rs. 1,000	Total	Honorary Part time	Below Rs. 250	Rs. 251-400	Rs. 401-700	Rs. 701-1,000	Above Rs. 1,000	Total	Honorary Part time	Below Rs. 250	Rs. 251-400	Rs. 401-700	Rs. 701-1,000
1	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Engineering College																			
College for Commerce																			
College for Medicine																			
Pharmacy College																			
Teachers Training College ...								N. A.							N. A.				
Art College Science College ...																			
Govt. Polytechnic																			
Law College																			
College for Art & Crafts (Kala Academy)																			
Total																			

Source: Directorate of Education, Panaji.

TABLE 5.18

**Distribution of Work-Seekers Registered as Teachers in Goa, Daman
and Diu who were on the Live Register of Employment
Exchange by Occupations 1972 to 1977**

Occupation	1972	1973	1974	1975	1976	1977
1	2	3	4	5	6	7
150.00 — Teachers University and Colleges	2	6	3	1	3	10
151.10 — Teachers Secondary Schools	60	56	98	104	221	301
152.00	-	-	-	-	-	-
&						
153.00 — Teachers Middle and Pri- mary Schools	75	178	227	351	313	515
154.00 — Teachers nursery and kin- dergarten schools	-	2	1	11	8	23
159.00 — Teachers N. E. C.	6	10	55	43	53	62
Total	143	252	384	510	598	911

Source: — Employment Exchange, Panaji-Goa.

SECTION - 6

Managerial, Administrators and Social Scientists

This section covers managerial, administrative and executive personnel and social scientists. Information on such personnel has been collected from Census of India 1971.

The first part deals with managerial personnel, the second relates to administrative and executive personnel and the last part deals with social scientists. The occupation sought out from the National Classification of Occupation 1968 relates to the following categories: —

N.C.O. Code No.	Occupation
<i>A — Managerial Personnel</i>	
220	Working Proprietors, Directors and Managers, wholesale trade
221	Working Proprietors, Directors and Managers, retail trade
229	Working Proprietors, Directors and Managers, wholesale and retail trade, n. e. c.
230	Directors and Managers Bank
231	Directors and Managers, Insurance
239	Directors and Managers, Financial Institutions n. e. c.
240	Working Proprietors, Directors and Managers, Mining, Quarrying and Well Drilling
241	Working Proprietors, Directors and Managers construction.
242	Working Proprietors, Directors and Managers, Electricity, Gas and Water
243	Working Proprietors, Directors and Managers, Manufacturing
249	Working Proprietors, Directors and Managers, Mining, Construction, Manufacturing and Related concerns n. e. c.
250	Working Proprietors, Directors and Managers & Related Executives, Transport

- 251 Directors & Managers and Related Executives, Communications
- 252 Working Proprietors, Directors and Managers and Related Executives Storage and Warehouses
- 259 Working Proprietors, Directors, Managers & Related Executives, Transport Storage & Communications n. e. c.
- 260 Working Proprietors, Directors & Managers, Lodging and Catering Services
- 261 Working Proprietors, Directors & Managers, Recreation & Entertainment
- 269 Working Proprietors, Directors, Managers & Related Executives, other Services
- 299 Administrative, Executive and Managerial Workers n. e. c.

B — Administrative and Executive Personnel

- 210 Administrative & Executive Officials — Union Government
- 211 Administrative & Executive Officials — State Government
- 212 Administrative & Executive Officials — Quasi Government
- 213 Administrative & Executive Officials — Local bodies
- 219 Administrative & Executive Officials, Government and Local Bodies n. e. c.

C — Social Scientists

- 110 Economists
- 111 Economic Investigator and related workers
- 119 Economic & related workers, n. e. c.
- 120 Accountant & Auditors
- 121 Cost & Works Accountants
- 129 Accountants, Auditors & related workers n.e.c.
- 130 Sociologists & Anthropologists
- 131 Historians, Archaeologists & Political Scientists and related workers
- 132 Geographers
- 133 Psychologists
- 134 Librarians, Archivists and Curators
- 135 Philologists, Translators and Interpreters
- 136 Personnel & Occupational Specialists

137	Labour Social Welfare & Political Workers
139	Social Scientists and related workers n. e. c.

In each of the three parts there are three tables showing (1) occupation-wise distribution in rural and urban areas by sex (2) Industry-wise distribution by sex in rural and urban areas (3) the third table dealing with the distribution of personnel in rural and urban areas in each occupation by Census Industrial category.

The last table of the section deals with the distribution of the unemployed personnel registered in the Employment Exchange as per the occupation in each of the above three categories.

TABLE 6.1

**Managerial Personnel in Rural and Urban Areas of Goa, Daman and Diu
by Occupations and Sex, According to 1971 Census**

Occupation	Rural			Urban			Total		
	Persons	Male	Female	Persons	Male	Female	Persons	Male	Female
1	2	3	4	5	6	7	8	9	10
220 — Working Proprietors, Directors and Managers, wholesale trade	33	32	1	54	51	3	87	83	4
221 — Working Proprietors, Directors and Managers, Retail trade	203	190	13	168	162	6	371	352	19
229 — Working Proprietors, Directors Managers, wholesale and Retail trade, n. e. c.	-	-	-	1	1	-	1	1	-
230 — Directors and Managers Bank	55	55	-	127	126	1	182	181	1
231 — Directors & Managers, Insurance	4	4	-	22	22	-	26	26	-
239 — Directors & Managers, Financial Institutions n. e. c.	2	2	-	5	5	-	7	7	-
240 — Working Proprietors, Directors & Managers Mining, Quarrying & Well Drilling	217	216	1	82	82	-	299	298	1
241 — Working Proprietors, Directors and Managers construction	138	138	-	251	249	2	389	387	2
242 — Working Proprietors, Directors & Managers, Electricity, Gas & water	2	2	-	2	2	-	4	4	-
243 — Working Proprietors, Directors & Managers Manufacturing	209	201	8	453	443	10	662	644	18
249 — Working Proprietors, Directors & Managers Mining, Construction, Manufacturing and Related concerns n. e. c. ...	4	4	-	3	3	-	7	7	-

**Managerial Personnel in Rural and Urban Areas of Goa, Daman and Diu
by Occupations and Sex, According to 1971 Census (Concl'd.)**

Occupation	Rural			Urban			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
250 — Working Proprietors, Directors & Managers & Related Executives, Transport	158	158	-	122	118	4	280	276	4
251 — Directors & Managers and Related Executives, communications	-	-	-	11	11	-	11	11	-
252 — Working Proprietors, Directors and Managers and Related Executives Storage & warehouses ...	-	-	-	1	1	-	1	1	-
259 — Working Proprietors, Directors Managers & Related Executives, Transport storage & communications n. e. c.	-	-	-	-	-	-	-	-	-
260 — Working Proprietors, Directors & Managers, Lodging and Catering Services	81	76	5	171	157	14	252	233	19
261 — Working Proprietors, Directors & Managers Recreation & Entertainment	10	10	-	34	33	1	44	43	1
269 — Working Proprietors, Directors Managers & Related Executives, other Services	47	46	1	178	172	6	225	218	7
299 — Administrative, Executive and Managerial workers n. e. c.	2	2	-	9	9	-	11	11	-
Total	1,165	1,136	29	1,694	1,647	47	2,859	2,783	76

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 6.2

**Managerial Personnel in Rural and Urban Areas of Goa, Daman and Diu
by Industry and Sex, According to 1971 Census**

1971 Census Industrial Category	Rural			Urban			Total		
	Persons	Male	Female	Persons	Male	Female	Persons	Male	Female
1	2	3	4	5	6	7	8	9	10
III. Livestock, Forestry, Fishing, hunting and plantation orchards & allied activities	4	4	-	-	-	-	4	4	-
IV. Mining & Quarrying	217	216	1	82	82	-	299	298	1
V. Manufacturing, processing, servicing & Repairs									
a) In household Industry	60	55	5	48	43	5	108	98	10
b) Other than household Industry	151	148	3	405	400	5	556	548	8
VI. Construction	139	139	-	252	250	2	391	389	2
VII. Trade and commerce	399	380	19	683	655	28	1,082	1,035	47
VIII. Transport, storage & communications	158	158	-	134	130	4	292	288	4
IX. Other services	37	36	1	90	87	3	127	123	4
Total	1,165	1,136	29	1,694	1,647	47	2,859	2,783	76

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 6.3

**Managerial Personnel in Rural and Urban Areas of Goa, Daman and Diu in Each Occupation by
Census Industrial Category, 1971**

1971 Census Industrial Category/ Occupation		III	IV	V(a)	V(b)	VI	VII	VIII	IX	Total
		Livestock, forestry, fishing, hunting, plantations, orchards and allied activities	Mining and quar- rying	Manufacturing, pro- cessing, servicing and repairs		Construction	Trade and commerce	Transport storage and com- munication	Other services	
		2	3	4	5	6	7	8	9	10
200 — Working Proprietors, Directors and Managerial Wholesale Trade	T	—	1	—	—	—	86	—	—	87
	R	—	1	—	—	—	32	—	—	33
	U	—	—	—	—	—	54	—	—	54
221 — Working Proprietors, Directors and Managers Retail Trade	T	—	—	—	—	—	371	—	—	371
	R	—	—	—	—	—	203	—	—	203
	U	—	—	—	—	—	168	—	—	168
229 — Working Proprietors, Directors and Managers wholesale Trade and Re- tail Trade n. e. c.	T	—	—	—	—	—	1	—	—	1
	R	—	—	—	—	—	—	—	—	—
	U	—	—	—	—	—	1	—	—	1
230 — Directors and Managers Bank	T	—	—	—	—	—	182	—	—	182
	R	—	—	—	—	—	55	—	—	55
	U	—	—	—	—	—	127	—	—	127
231 — Directors and Managers Insurance ...	T	—	—	—	—	—	26	—	—	26
	R	—	—	—	—	—	4	—	—	4
	U	—	—	—	—	—	22	—	—	22
239 — Directors and Managers, Financial Institutions N. E. C.	T	—	—	—	—	—	7	—	—	7
	R	—	—	—	—	—	2	—	—	2
	U	—	—	—	—	—	5	—	—	5
240 — Working Proprietors, Directors and Managers, Mining, Quarrying and well Drilling	T	—	298	—	1	—	—	—	—	299
	R	—	216	—	1	—	—	—	—	217
	U	—	82	—	—	—	—	—	—	82

**Managerial Personnel in Rural and Urban Areas of Goa, Daman and Diu in Each Occupation by
Census Industrial Category, 1971 (Contd.)**

1971 Census Industrial Category/ Occupation		III	IV	V(a)	V(b)	VI	VII	VIII	IX	Total
		Livestock, forestry, fishing, hunting, plantations, orchards and allied activities	Mining and quar- rying	Manufacturing, pro- cessing, servicing and repairs		Construction	Trade and commerce	Transport storage and com- munica- tion	Other services	
1		2	3	4	5	6	7	8	9	10
241 — Working Proprietors, Directors and Managers construction	T	—	—	—	—	389	—	—	—	389
	R	—	—	—	—	138	—	—	—	138
	U	—	—	—	—	251	—	—	—	251
242 — Working Proprietors, Directors and Managers Electricity, Gas and water	T	—	—	—	—	1	—	—	3	4
	R	—	—	—	—	1	—	—	1	2
	U	—	—	—	—	—	—	—	2	2
243 — Working Proprietors, Directors and Managers, Manufacturing	T	—	—	108	554	—	—	—	—	662
	R	—	—	60	149	—	—	—	—	209
	U	—	—	48	405	—	—	—	—	453
249 — Working Proprietors, Directors and Managers, Mining, construction, Ma- nufacturing and Related concerns n. e. c.	T	—	—	—	—	1	—	—	6	7
	R	—	—	—	—	—	—	—	4	4
	U	—	—	—	—	1	—	—	2	3
250 — Working Proprietors, Directors and Managers and Related Executives, Transport	T	—	—	—	—	—	—	280	—	280
	R	—	—	—	—	—	—	158	—	158
	U	—	—	—	—	—	—	122	—	122
251 — Directors and Managers and Related Executives Communications	T	—	—	—	—	—	—	11	—	11
	R	—	—	—	—	—	—	—	—	—
	U	—	—	—	—	—	—	11	—	11
252 — Working Proprietors, Directors and Managers and Related Executives, Storage and warehouses	T	—	—	—	—	—	—	1	—	1
	R	—	—	—	—	—	—	—	—	—
	U	—	—	—	—	—	—	1	—	1

**Managerial Personnel in Rural and Urban Areas of Goa, Daman and Diu in Each Occupation by
Census Industrial Category, 1971 (Concl'd.)**

1971 Census Industrial Category/ Occupation		III	IV	V		VI	VII	VIII	IX	Total
		Livestock, forestry, fishing, hunting and plantations and orchard and allied activities	Mining and quarrying	Manufacturing, pro- cessing, servicing and repairs		Cons- truction	Trade and Commerce	Transport storage and com- muni- cation	Other services	
				(a)	(b)					
				Household industry	Other than household industry					
1	2	3	4	5	6	7	8	9	10	
259 — Working Proprietors, Directors, Ma- nagers and Related Executives, Transport, Storage, Communications n. e. c.	T	—	—	—	—	—	—	—	—	—
	R	—	—	—	—	—	—	—	—	—
	U	—	—	—	—	—	—	—	—	—
260 — Working Proprietors, Directors and Managers, Lodging and Catering Services	T	—	—	—	—	—	245	—	7	252
	R	—	—	—	—	—	74	—	7	81
	U	—	—	—	—	—	171	—	—	171
261 — Working Proprietors, Directors and Managers, Recreation and Entertain- ment	T	—	—	—	—	—	—	—	44	44
	R	—	—	—	—	—	—	—	10	10
	U	—	—	—	—	—	—	—	34	34
269 — Working Proprietors, Directors, Ma- nagers and Related Executives, other Services	T	4	—	—	1	—	156	—	64	225
	R	4	—	—	1	—	29	—	13	47
	U	—	—	—	—	—	127	—	51	178
299 — Administrative, Executive and Ma- nagerial Workers n. e. c.	T	—	—	—	—	—	8	—	3	11
	R	—	—	—	—	—	—	—	2	2
	U	—	—	—	—	—	8	—	1	9
Total	T	4	299	108	556	391	1,082	292	127	2,859
	R	4	217	60	151	139	399	158	37	1,165
	U	—	82	48	405	252	683	134	90	1,694

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 6.4

Administrative and Executive Personnel in Rural and Urban Areas of Goa, Daman and Diu by Occupations and Sex, According to 1971 Census

Occupation	Rural			Urban			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
210 — Administrative and Executive officials Union Government	2,968	2,968	-	2,864	2,856	8	5,832	5,824	8
211 — Administrative and Executive officials State Government	18	18	-	173	172	1	191	190	1
212 — Administrative and Executive officials Quasi Government	-	-	-	6	6	-	6	6	-
213 — Administrative and Executive officials Local Bodies	-	-	-	6	5	1	6	5	1
219 — Administrative and Executive officials, Government and Local Bodies n. e. c.	-	-	-	1	1	-	1	1	-
Total	2,986	2,986	-	3 050	3,040	10	6,036	6,026	10

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 6.5

Administrative and Executive Personnel in Rural and Urban Areas of Goa, Daman and Diu by Industry and Sex, According to 1971 Census

1971 Census Industrial Category	Rural			Urban			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
III - Livestock, forestry, fishing, hunting and plantations orchards and allied activities	—	—	—	—	—	—	—	—	—
IV - Mining and Quarrying ...	—	—	—	—	—	—	—	—	—
V - Manufacturing, Processing Servicing and repairs:									
a) Household Industry .	—	—	—	—	—	—	—	—	—
b) Other than Household Industry	—	—	—	—	—	—	—	—	—
VI - Construction	—	—	—	—	—	—	—	—	—
VII - Trade and Commerce ...	—	—	—	—	—	—	—	—	—
VIII - Transport, Storage Communications	—	—	—	—	—	—	—	—	—
IX - Other Services	2,986	2,986	—	3,050	3,040	10	6,036	6,026	10
Total	2,986	2,986	—	3,050	3,040	10	6,036	6,026	10

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 6.6
Administrative and Executive Personnel in Rural and Urban Areas of Goa, Daman and Diu in Each Occupation by Census Industrial Category, 1971

1971 Census Industrial Category/ Occupation		III	IV	V		VI	VII	VIII	IX	Total
		Livestock, forestry, fishing, hunting and plantations and orchard and allied activities	Mining and quarrying	Manufacturing, pro- cessing, servicing and repairs		Cons- truction	Trade and Commerce	Transport storage and com- munica- tion	Other services	
				(a)	(b)					
				Household industry	Other than household industry					
1	2	3	4	5	6	7	8	9	10	
210— Administrative and Executive offi- cials Union Government	T	—	—	—	—	—	—	—	5,832	5,832
	R	—	—	—	—	—	—	—	2,968	2,968
	U	—	—	—	—	—	—	—	2,864	2,864
211— Administrative and Executive offi- cials, State Government	T	—	—	—	—	—	—	—	191	191
	R	—	—	—	—	—	—	—	18	18
	U	—	—	—	—	—	—	—	173	173
212— Administrative and Executive offi- cials, Quasi Government	T	—	—	—	—	—	—	—	6	6
	R	—	—	—	—	—	—	—	—	—
	U	—	—	—	—	—	—	—	6	—
213— Administrative and Executive offi- cials, Local Bodies	T	—	—	—	—	—	—	—	6	6
	R	—	—	—	—	—	—	—	—	—
	U	—	—	—	—	—	—	—	6	6
219— Administrative and Executive offi- cials, Government and Local Bodies n. e. c.	T	—	—	—	—	—	—	—	1	1
	R	—	—	—	—	—	—	—	—	—
	U	—	—	—	—	—	—	—	1	1
Total	T	—	—	—	—	—	—	—	6,036	6,036
	R	—	—	—	—	—	—	—	2,986	2,986
	U	—	—	—	—	—	—	—	3,050	3,050

Source: -- Census of India 1971. Goa, Daman and Diu.

TABLE 6.7

Social Scientists in Rural and Urban Areas of Goa, Daman and Diu by Occupations and Sex, According to 1971 Census

Occupation	Rural			Urban			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
110 — Economists	-	-	-	4	4	-	4	4	-
111 — Economic Investigator and related workers	1	1	-	6	6	-	7	7	-
119 — Economic and related workers, n. e. c.	-	-	-	-	-	-	-	-	-
120 — Accountants and Auditors	155	149	6	431	422	9	586	571	15
121 — Cost and works Accountants	2	2	-	2	2	-	4	4	-
129 — Accountants, Auditors and related workers n. e. c.	3	3	-	3	3	-	6	6	-
130 — Sociologists and Anthropologists	1	1	-	1	1	-	2	2	-
131 — Historians, Archaeologists and Political Scientists and related workers	1	1	-	-	-	-	1	1	-
132 — Geographers	-	-	-	-	-	-	-	-	-
133 — Psychologists	-	-	-	1	1	-	1	1	-
134 — Librarians, Archivists and curators	15	14	1	32	21	11	47	35	12
135 — Philologists, Translators and Interpreters	5	1	4	19	18	1	24	19	5
136 — Personnel and Occupational Specialists	1	1	-	9	9	-	10	10	-
137 — Labour Social Welfare and Political workers ...	251	118	133	135	72	63	386	190	196
139 — Social Scientists and related worker n. e. c. ...	1	-	1	-	-	-	1	-	1
Total	436	291	145	643	559	84	1,079	850	229

TABLE 6.8

Social Scientists in Rural and Urban Areas of Goa, Daman and Diu by Industrial Category and Sex, According to 1971 Census

Industrial Category	Rural			Urban			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
III—Livestock, Forestry, Fishing, Hunting and Plantations Orchards and allied activities	1	1	-	-	-	-	1	1	-
IV—Mining and Quarrying ...	25	25	-	7	7	-	32	32	-
V—Manufacturing, Processing, Servicing and Repairs									
a) Household Industry	-	-	-	-	-	-	-	-	-
b) Other than Household Industry	15	14	1	20	19	1	35	33	2
VI—Construction	5	5	-	14	14	-	19	19	-
VII—Trade and Commerce ...	66	65	1	236	232	4	302	297	5
VIII—Transport, Storage and communications	8	7	1	28	28	-	36	35	1
IX—Other Services	316	174	142	338	259	79	654	433	221
Total	436	291	145	643	559	84	1,079	850	229

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 6.9

Social Scientists in Rural and Urban Areas of Goa, Daman and Diu in Each Occupation by Census Industrial Category, 1971

1971 Census Industrial Category/ Occupation		III	IV	V		VI	VII	VIII	IX	Total
		Livestock, forestry, fishing, hunting, and plantations and allied orchard and allied activities	Mining and quarrying	Manufacturing, pro- cessing, servicing, and repairs		Cons- truction	Trade and Commerce	Transport storage and com- munica- tion	Other services	
				(a)	(b)					
				Household industry	Other than household industry					
1	2	3	4	5	6	7	8	9	10	
110 — Economists	T	-	-	-	1	-	-	3	-	4
	R	-	-	-	-	-	-	-	-	-
	U	-	-	-	1	-	-	3	-	4
111 — Economic Investigator and Related workers	T	-	-	-	-	-	-	-	7	7
	R	-	-	-	-	-	-	-	1	1
	U	-	-	-	-	-	-	-	6	6
119 — Economists and Related workers ...	T	-	-	-	-	-	-	-	-	-
	R	-	-	-	-	-	-	-	-	-
	U	-	-	-	-	-	-	-	-	-
120 — Accountants and Auditors	T	1	26	-	29	16	280	32	202	586
	R	1	21	-	14	3	62	8	46	155
	U	-	5	-	15	13	218	24	156	431
121 — Costs and works Accountants	T	-	-	-	-	1	2	-	1	4
	R	-	-	-	-	1	-	-	1	2
	U	-	-	-	-	-	2	-	-	2
129 — Accountants, Auditors and Related workers n. e. c.	T	-	-	-	-	-	6	-	-	6
	R	-	-	-	-	-	3	-	-	3
	U	-	-	-	-	-	3	-	-	3

Social Scientists in Rural and Urban Areas of Goa, Daman and Diu in Each Occupation by Census Industrial Category, 1971 (Contd.)

1971 Census Industrial Category/ Occupation		III	IV	V		VI	VII	VIII	IX	Total
		Livestock, forestry, fishing, hunting and plantations and orchard and allied activities	Mining and quarrying	Manufacturing, pro- cessing, servicing and repairs		Cons- truction	Trade and Commerce	Transport storage and com- munica- tion	Other services	
				(a)	(b)					
				Household industry	Other than household industry					
1	2	3	4	5	6	7	8	9	10	
130 — Sociologists and Anthropologists ...	T	-	-	-	1	-	-	-	1	2
	R	-	-	-	1	-	-	-	-	1
	U	-	-	-	-	-	-	-	1	1
131 — Historians, Archaeologists and Poli- tical Scientists and Related workers	T	-	-	-	-	-	-	-	1	1
	R	-	-	-	-	-	-	-	1	1
	U	-	-	-	-	-	-	-	-	-
132 — Geographers	T	-	-	-	-	-	-	-	-	-
	R	-	-	-	-	-	-	-	-	-
	U	-	-	-	-	-	-	-	-	-
133 — Psychologists	T	-	-	-	-	-	-	-	1	1
	R	-	-	-	-	-	-	-	-	-
	U	-	-	-	-	-	-	-	1	1
134 — Librarians, Archivists and Curators	T	-	-	-	-	-	1	-	46	47
	R	-	-	-	-	-	-	-	15	15
	U	-	-	-	-	-	1	-	31	32
135 — Philologists, Translators and Inter- preters	T	-	-	-	3	-	1	-	20	24
	R	-	-	-	-	-	1	-	4	5
	U	-	-	-	3	-	-	-	16	19

Social Scientists in Rural and Urban Areas of Goa, Daman and Diu in Each Occupation by Census Industrial Category, 1971 (Concl'd.)

1971 Census Industrial Category/ Occupation		III	IV	V		VI	VII	VIII	IX	Total
		Livestock, forestry, fishing, hunting and plantations and orchard and allied activities	Mining and quarrying	Manufacturing, pro- cessing, servicing and repairs		Cons- truction	Trade and Commerce	Transport storage and com- munica- tion	Other services	
				(a)	(b)					
				Household industry	Other than household industry					
1	2	3	4	5	6	7	8	9	10	
136 — Personnel and occupational Specialists	T	-	-	-	1	2	2	-	5	10
	R	-	-	-	-	1	-	-	-	1
	U	-	-	-	1	1	2	-	5	9
137 — Labour Social Welfare and Political workers	T	-	6	-	-	-	10	1	369	386
	R	-	4	-	-	-	-	-	247	251
	U	-	2	-	-	-	10	1	122	135
139 — Social Scientists and Related workers n. e. c.	T	-	-	-	-	-	-	-	1	1
	R	-	-	-	-	-	-	-	1	1
	U	-	-	-	-	-	-	-	-	-
Total	T	1	32	-	35	19	302	36	654	1,079
	R	1	25	-	15	5	66	8	316	436
	U	-	7	-	20	14	236	28	338	643

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 6.10

Distribution of work seekers Registered as Managerial, Administrative and Executive personnel and social Scientists in Goa, Daman and Diu who were on Live Register of Employment Exchange, by Occupations 1972 to 1977

Code No.	Occupations	1972	1973	1974	1975	1976	1977
1	2	3	4	5	6	7	8
260 A — Managerial Personnel							
	Working Proprietors, Directors, Manager, Lodging and Catering Services	-	1	1	3	-	2
	Sub — Total (A)	-	1	1	3	-	2
211 B — Administrative and Executive Personnel							
	Administrative and Executive Official State Government	11	7	3	5	2	1
	Sub — Total (B)	11	7	3	5	2	1
C — Social Scientists							
120	Accountants and Auditors	4	2	2	-	8	7
130	Sociologists and Antropologists	1	1	-	-	-	-
137	Labour, Social and Welfare and Political workers	-	-	2	-	8	1
	Sub — Total (C)	5	3	4	-	16	8
	Grand Total (A+B+C)	16	11	8	8	18	11

Source: — Employment Exchange, Panaji.

SECTION - 7

Scientific and Technical Personnel — Aggregative Information

In this section, the information given in section 1 to 6 from the different categories of scientific and technical personnel has been pooled together and recorded in aggregate form.

Table 7.1 deals with the different type of categories of scientific and technical personnel working in rural and urban areas by sex.

The remaining two tables 7.2 and 7.3 deal with the persons having technical degree or diploma in urban areas; the former gives the distribution of persons holding technical degree in each census Industrial category by educational fields, while the later table distributes the persons having technical degree in each educational category by broad age-groups.

The distribution of Scientific and Technical personnel of 4 selected subject field viz. (1) Engineering and Technology (2) Science (3) Health and Medicine (4) Agriculture and Veterinary Science medicine which are depicted from the 1971 Census publication "Degree Holders and Technical Personnel Tables". Part VII(i) and Part VII(ii) are presented in tables from 7.4 to 7.19.

The Scientific and Technical personnel by Educational level and by sex for the selected subject field are presented in Table 7.4. The percentage distribution of the same are presented in Table 7.5. These personnel are cross-classified in Tables 7.6 to 7.9. Table 7.6 distinguish these degree holders according to their countries of Education and by sex and in Table No. 7.8 it is sub-classified by the status. The same data are presented by percentages in Table 7.7 and 7.9.

Table 7.10 relates to only those Degree holders and Technical personnel who are engaged in Research work, data in this table are presented by subject fields further cross-classified by level of education and sex break-up. Table 7.11 gives the percentage distribution of the same.

The data given in Tables 7.12 to 7.17 cover the employed degree holders and technical personnel by the selected subject

fields. In Table 7.12 the data are presented by type of organisation and of the selected subjects. Figures for 2 types of organisation (1) other educational institutions (2) Research and Development organisation which have not been separately shown are clubbed together under 'others'. Table 7.13 gives the percentage distribution of the same.

Table 7.14 gives four-way classification of the employed Degree Holders and Technical personnel namely by subject fields, ranges of monthly emoluments and sector of employment. Table 7.15 gives the percentage distribution of the same. In other table i. e. 7.16 the same data are cross-classified by age groups, sector of employment and by selected subject fields. The same data are presented in percentages in table 7.17.

The last two tables in this section relate to unemployment. Those who are seeking employment and their duration of unemployment and by level of education and subject field are depicted in Table 7.18. In table 7.19 the data are presented in percentages.

TABLE 7.1

**Scientific and Technical Personnel working in Rural and Urban
Areas of Goa, Daman and Diu by Category of Sex,
According to 1971 Census**

Category	Rural			Urban			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10
Engineering & Technology ...	492	492	-	862	859	3	1,354	1,351	3
Science	222	216	6	235	223	12	457	439	18
Health and Medicine	500	281	219	849	401	448	1,349	682	667
Agriculture	68	66	2	60	60	-	128	126	2
Teaching	4,026	2,403	1,623	2,349	1,104	1,245	6,375	3,507	2,868
Manegerial	1,165	1,136	29	1,694	1,647	47	2,859	2,783	76
Administrative & Executive ...	2,986	2,986	-	3,050	3,040	10	6,036	6,026	10
Social Sciences	436	291	145	643	559	84	1,079	850	229
Total	9,895	7,871	2,024	9,742	7,893	1,849	19,637	15,764	3,873

Source: — Census of India 1971, Goa, Daman and Diu.

TABLE 7.2

**Distribution of Persons Holding Technical Degree in Urban Areas
of Goa, Daman and Diu by Industrial and Educational
categories According to 1971 census**

1971 census Industrial category	Educational Category					Technical degree or diploma equal to degree or post graduate
	Engineering and Technology	Medicine	Agriculture Veterinary & Dairying	Teaching	Others	
1	2	3	4	5	6	7
I Cultivators	1	1	-	-	-	2
II Agricultural Labourers	-	-	-	-	-	-
III Livestock, Forestry, Fishing Hunting & Plantation Orchards and allied activities	2	1	6	-	-	9
IV Mining and quarrying	19	-	1	-	-	20
V Manufacturing, Processing, ser- vicing & repairs:	-	-	-	-	-	-
a) Household Industry	-	-	-	-	-	-
b) Other than household In- dustry	46	7	2	1	-	56
VI Construction	136	3	1	-	-	140
VII Trade and commerce	98	25	1	4	-	128
VIII Transport, Storage & commu- nications	83	3	-	-	-	86
IX Other services	126	478	28	258	-	890
Total	511	518	39	263	-	1,331

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 7.3

**Age Distribution of Persons Having Technical Degree in Urban Areas
of Goa, Daman and Diu by Educational Category According
to 1971 Census**

Category	Age - Group									
	All Ages		0-14 years		15-34		35 +		Age notstated	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1	2	3	4	5	6	7	8	9	10	11
Engineering and Technology	542	100.00	-	0.00	345	63.65	197	36.35	-	0.00
Medicine	607	100.00	1	0.16	269	44.32	337	55.52	-	0.00
Agricultural Veterinary and Dairying	43	100.00	-	0.00	27	62.79	16	37.21	-	0.00
Teaching	300	100.00	1	0.33	167	55.67	132	44.00	-	0.00
Others	1	100.00	-	0.00	-	0.00	1	100.00	-	0.00
Total	1,493	100.00	2	0.13	808	54.12	683	45.75	-	0.00

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 7.4

Distribution of Scientific and Technical Personnel Holding Degree by Level of Education and Sex, 1971

Level of Education	Engineering & Technology			Science			Agriculture & Veterinary			Health & Medical			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Doctorate	2	2	-	15	15	-	1	1	-	2	2	-	20	20	-
Master's Degree	32	32	-	230	193	37	6	5	1	80	68	12	348	298	50
Other Post Graduate Degree/Diploma	5	5	-	2	2	-	-	-	-	14	9	5	21	16	5
Bachelor's Degree	432	425	7	1,304	1,027	277	69	69	-	540	452	88	2,345	1,973	372
Bachelor's Equivalent	1	1	-	2	1	1	-	-	-	-	-	-	3	2	1
Diploma	465	464	1	63	44	19	6	6	-	53	36	17	587	550	37
Certificate	19	19	-	3	3	-	-	-	-	17	12	5	39	34	5
Unspecified	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-
Total	957	949	8	1,619	1,285	334	82	81	1	706	579	127	3,364	2,894	470

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 7.5

Percentage Distribution of Scientific of Technical Personnel Holding Degree by Level of Education and Sex, 1971

Level of Education	Engineering & Technology		Science				Agriculture & Veterinary			Health & Medical			Total		
	Females	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Doctorate	0.21	0.21	-	0.93	1.17	-	1.21	1.23	-	0.28	0.35	-	0.59	0.69	0.00
Master's Degree	3.35	3.37	-	14.21	15.02	11.08	7.32	6.17	100.00	11.33	11.74	9.45	10.35	10.30	10.64
Other Post Graduate Degree/ /Diploma	0.52	0.53	-	0.12	0.16	-	-	-	-	1.98	1.55	3.94	0.62	0.55	1.06
Bachelor's Degree	45.14	44.78	87.50	80.54	79.92	82.93	84.15	85.18	-	76.49	78.07	69.29	69.71	68.18	79.15
Bachelor's Equivalent	0.10	0.11	-	0.12	0.08	0.30	-	-	-	-	-	-	0.09	0.07	0.22
Diploma	48.59	48.89	12.50	3.89	3.42	5.69	7.32	7.41	-	7.51	6.22	13.38	17.45	19.00	7.87
Certificate	1.99	2.00	-	0.19	0.23	-	-	-	-	2.41	2.07	3.94	1.16	1.18	1.06
Unspecified	0.10	0.11	-	-	-	-	-	-	-	-	-	-	0.03	0.03	-
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Actual Number .	957	949	8	1619	1285	334	82	81	1	706	579	127	3,364	2,894	470

Source: — Census of India 1971, Goa, Daman and Diu.

TABLE 7.6
Distribution of Scientific and Technical Personnel Holding Degree according to their Countries of Education and Sex, 1971

Country of Education	Engineering & Technology			Science			Agriculture & Veterinary			Health & Medical			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
India	904	896	8	1,597	1,268	329	78	77	1	661	539	122	3,240	2,780	460
United Kingdom	14	14	-	2	2	-	-	-	-	12	12	-	28	28	-
United States of America	7	7	-	7	6	1	-	-	-	6	4	2	20	17	3
Canada	2	2	-	-	-	-	-	-	-	-	-	-	2	2	-
U. S. S. R.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Germany	4	4	-	-	-	-	1	1	-	5	5	-	10	10	-
France	-	-	-	-	-	-	-	-	-	1	-	1	1	-	1
Other European Countries	15	15	-	10	7	3	-	-	-	18	17	1	43	39	4
Australia/New Zealand	-	-	-	-	-	-	-	-	-	1	1	-	1	1	-
Japan	5	5	-	-	-	-	1	1	-	-	-	-	6	6	-
Others	3	3	-	3	2	1	2	2	-	2	1	1	10	8	2
Not stated	3	3	-	-	-	-	-	-	-	-	-	-	3	3	-
Total	997	949	8	1,619	1,285	334	82	81	1	706	579	127	3,364	2,894	470

Sources: — Census of India, 1971, Goa, Daman and Diu.

TABLE 7.7

Percentage Distribution of Scientific and Technical Personnel Holding Degree according to their Countries of Education and Sex, 1971

Country of Education	Engineering & Technology			Science			Agriculture & Veterinary			Health & Medical			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
India	94.46	92.42	100.00	98.63	98.68	98.50	85.12	85.06	100.00	93.63	93.09	96.06	96.31	96.06	97.87
United Kingdom	1.46	1.48	-	0.13	0.16	-	-	-	-	1.70	2.07	-	0.83	0.97	-
United States of America	0.73	0.74	-	0.42	0.47	0.30	-	-	-	0.85	0.69	1.57	0.59	0.59	0.64
Canada	0.21	0.21	-	-	-	-	-	-	-	-	-	-	0.06	0.07	-
U. S. S. R.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Germany	0.42	0.42	-	-	-	-	1.22	1.24	-	0.71	0.87	-	0.30	0.34	-
France	-	-	-	-	-	-	-	-	-	0.14	-	0.79	0.03	-	0.21
Other European Countries	1.57	1.58	-	0.62	0.54	0.90	-	-	-	2.55	0.94	0.79	1.28	1.35	0.85
Australia/New Zealand	-	-	-	-	-	-	-	-	-	0.14	0.17	-	0.03	0.03	-
Japan	0.52	0.52	-	-	-	-	1.22	1.23	-	-	-	-	0.18	0.21	-
Others	0.32	0.31	-	0.19	0.15	0.30	2.44	2.47	-	0.28	0.17	0.79	0.30	0.28	0.42
Not stated	0.21	0.31	-	-	-	-	-	-	-	-	-	-	0.09	0.10	-
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Actual Number	957	949	8	1,619	1,285	334	82	81	1	706	579	127	3,364	2,894	470

Source — Population of India, 1971 census.

TABLE 7.8

Distribution of Scientific and Technical personnel Holding Degree by Status and Sex, 1971

Status	Engineering & Technology			Science			Agriculture & Veterinary			Health and Medical			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Employees	751	747	4	1,121	952	169	66	65	1	284	231	53	2,222	1,995	227
Self Employed	92	90	2	141	132	9	7	7	-	273	245	28	513	474	39
Students	3	3	-	74	59	15	-	-	-	44	28	16	121	90	31
Trainees	28	28	-	9	9	-	-	-	-	3	2	1	40	39	1
Apprentices	2	2	-	4	3	1	-	-	-	2	2	-	8	7	1
Retired	23	23	-	14	12	2	6	6	-	58	53	5	101	94	7
Unemployed trying for job	47	46	1	150	93	52	1	1	-	15	7	8	213	152	61
Unemployed not trying for job ...	6	5	1	95	12	83	1	1	-	25	11	14	127	19	98
Unspecified	5	5	-	11	8	3	1	1	-	2	-	2	19	14	5
Total	957	949	8	1,619	1,285	334	82	81	1	708	579	127	3,364	2,894	470

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 7.9

Percentage Distribution of Scientific and Technical Personnel Holding Degree by Status and Sex, 1971

Status	Engineering & Technology			Science			Agriculture & Veterinary			Health and Medical			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Employees	78.48	78.71	50.00	69.24	74.08	50.60	80.48	80.25	100.00	40.23	39.90	41.73	66.05	68.94	48.30
Self Employed	9.61	9.48	25.00	8.71	10.27	2.69	8.54	8.65	-	38.67	42.31	22.05	15.25	16.38	8.30
Students	0.31	0.32	-	4.57	4.59	4.19	-	-	-	6.23	4.83	12.60	3.60	3.11	6.60
Trainees	2.93	2.95	-	0.56	0.70	-	-	-	-	0.43	0.35	0.79	1.19	1.35	0.21
Apprentices	0.21	0.21	-	0.25	0.23	0.30	-	-	-	0.28	0.35	-	0.24	0.24	0.219
Retired	2.40	2.42	-	0.87	0.94	0.60	7.32	7.41	-	8.22	9.15	3.94	3.00	3.25	1.4
Unemployed trying for job	4.91	4.85	12.50	9.26	7.63	15.57	1.22	1.23	-	2.12	1.21	6.30	6.33	5.25	12.98
Unemployed not trying for job ...	0.63	0.53	12.50	5.87	0.94	24.85	1.22	1.23	-	3.54	1.90	11.02	3.78	1.00	20.85
Unspecified	0.52	0.53	-	0.57	0.62	0.90	1.22	1.23	-	0.28	-	1.57	0.56	0.48	1.06
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Actual Number	(957)	(949)	(8)	(1619)	(1285)	(334)	(82)	(81)	(1)	(706)	(579)	(127)	(3364)	(2894)	(470)

Source:— Census of India 1971, Goa, Daman and Diu.

TABLE 7.10

Degree Holders and Technical Personnel Engaged in Research by Subject Field and Level of Education, 1971

Subject field	Level of Education														
	Doctorate			Post Graduate Degree/Diploma			Bachelor/Equivalent			Others			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1— Engineering and Technology	2	2	-	6	6	-	13	12	1	11	11	-	32	31	1
2 Science	14	14	-	53	50	3	44	37	7	2	1	1	113	102	11
3 Agriculture and Veterinary ...	1	1	-	1	1	-	9	9	-	-	-	-	11	11	-
4— Health and Medical	1	1	-	41	37	4	39	35	4	2	-	1	33	33	9
Total	18	18	-	101	94	7	105	92	12	15	13	2	239	239	21

Source — Population of India, 1971 census.

TABLE 7.11

Percentage Distribution of Degree Holders and Technical Personnel Engaged in Research by Subject Field and Level of Education, 1971

Subject field	Level of Education														
	Doctorate			Post Graduate Degree/Diploma			Bachelor Equivalent			Others			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1— Engineering and Technology	11.11	11.11	-	5.94	6.38	-	12.38	12.90	8.33	73.33	84.62	-	13.39	14.22	4.76
2— Science	77.78	77.78	-	52.48	53.19	42.86	41.91	39.78	58.33	13.33	7.69	50.00	47.28	46.79	52.38
3— Agriculture and Veterinary ...	5.56	5.56	-	0.99	1.97	-	8.57	9.65	-	-	-	-	4.60	5.05	-
4— Health and Medical	5.55	5.55	-	40.59	39.36	57.14	37.14	37.64	33.34	13.34	7.69	50.00	34.75	33.94	42.86
Total	100.00	100.00	-	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Actual Number	(18)	(18)	-	(101)	(94)	(7)	(105)	(93)	(12)	(15)	(13)	(2)	(239)	(218)	(21)

Source: — Census of India 1971, Goa, Daman and Diu.

TABLE 7.12

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Distribution of Employed Scientific and Technical Personnel (other than self employed) Holding Degree by Type of Organisation and Sex, 1971

Type of organisation	Engineering & Technology			Science			Agriculture & Veterinary			Health and Medical			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
University etc.	17	17	-	40	32	8	1	1	-	81	61	20	139	111	28
Polytechnic	19	19	-	2	2	-	-	-	-	1	1	-	22	22	-
Schools	8	7	1	294	201	93	1	1	-	2	2	-	305	211	94
Private coaching Institutions	-	-	-	1	1	-	-	-	-	-	-	-	1	1	-
Natural Resources	5	5	-	13	12	1	-	-	-	-	-	-	18	17	1
Social and Development organisation	9	9	-	12	12	-	8	8	-	28	18	10	57	47	10
Public sector Industries	17	17	-	15	15	-	2	2	-	2	2	-	36	36	-
Other Governmental organisation	367	365	2	374	338	36	43	43	-	122	115	17	916	861	55
Public sector Industries	190	189	1	150	148	2	4	3	1	7	2	-	351	347	4
Others	150	150	-	220	194	26	7	7	-	29	23	6	406	374	32
Total	782	778	4	1,121	955	166	66	65	1	282	229	53	2,251	2,027	224

Source — Population of India, 1971 census.

TABLE 7.13

Percentage Distribution of Employed Scientific Personnel (other than self employed) Holding Degree by Type of Organisation and Sex, 1971

Type of organisation	Engineering & Technology			Science			Agriculture & Veterinary			Health and Medical			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
University etc.	2.18	2.18	-	3.57	3.35	4.82	1.51	1.54	-	28.72	26.64	37.74	6.18	5.47	12.50
Polytechnic	2.43	2.44	-	0.18	0.21	-	-	-	-	0.36	0.44	-	0.98	1.08	-
Schools	1.02	0.90	25.00	26.23	21.05	56.02	1.52	1.54	-	0.71	0.87	-	13.55	10.41	41.96
Private coaching Institutions	-	-	-	0.09	0.10	-	-	-	-	-	-	-	0.04	0.05	-
Natural Resources	0.64	0.64	-	1.16	1.26	0.60	-	-	-	-	-	-	0.80	0.84	0.45
Social and Development organisation	1.15	1.16	-	1.07	1.26	-	12.12	12.31	-	9.93	7.86	18.87	2.53	2.32	4.46
Public sector Industries	2.17	2.19	-	1.34	1.57	-	3.03	3.08	-	0.71	0.87	-	1.60	1.78	-
Other Governmental organisation	46.93	46.92	50.00	33.36	35.39	21.69	65.15	66.15	-	46.81	50.22	32.07	40.69	42.48	24.55
Private sector Industries	24.30	24.29	25.00	13.38	15.50	1.21	6.06	4.61	100.00	2.48	3.06	-	15.59	17.12	1.79
Others	19.18	19.28	-	18.62	20.31	15.66	10.61	10.77	-	10.28	10.04	11.32	18.04	18.45	14.29
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Actual Number	(782)	(778)	(4)	(1,121)	(955)	(166)	(66)	(65)	(1)	(282)	(229)	(53)	(2,251)	(2,027)	(221)

Source — Population of India, 1971 census.

TABLE 7.14

Distribution of Scientific and Technical Personnel Holding Degree According to Monthly Emoluments by Sector and Sex, 1971

Sector/Monthly Emoluments in (Rs.)	Engineering & Technology			Science			Agriculture & Veterinary			Health and Medical			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A — Public Sector															
Less than 100	-	-	-	-	-	-	-	-	-	7	4	3	7	4	3
100 — 499	187	187	-	269	220	49	29	29	-	115	82	33	600	518	82
500 — 999	143	142	1	163	157	6	22	22	-	75	66	9	403	387	16
1000 — 1999	49	49	-	43	43	-	1	1	-	39	38	1	132	131	1
2000 and above	7	7	-	2	2	-	-	-	-	9	9	-	18	18	-
Unspecified	58	57	1	64	56	8	5	5	-	4	3	1	131	121	10
Total A.	444	447	2	541	478	63	57	57	-	249	202	47	1,291	1,179	112
B — Private Sector															
Less than 100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 — 499	90	89	1	300	233	67	4	4	-	13	10	3	407	336	71
500 — 999	101	101	-	140	132	8	1	1	-	12	9	3	254	243	11
1000 — 1999	70	70	-	38	37	1	1	1	-	4	4	-	113	112	1
2000 and above	16	15	1	11	11	-	-	-	-	4	4	-	31	30	1
Unspecified	59	59	-	91	64	27	3	2	1	-	-	-	153	125	28
Total B.	336	334	2	580	477	103	9	8	1	33	27	6	958	846	112

Distribution of Scientific and Technical Personnel Holding Degree According to Monthly Emoluments by Sector and Sex, 1971 (Concl'd.)

Sector/Monthly Emoluments in (Rs.)	Engineering & Technology			Science			Agriculture & Veterinary			Health and Medical			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
C — Self Employed															
Less than 100	-	-	-	-	-	-	-	-	-	1	1	-	1	1	-
100 — 499	5	5	-	9	8	1	-	-	-	64	46	18	78	59	19
500 — 999	6	5	1	7	7	-	2	2	-	61	56	5	76	70	6
1000 — 1999	5	4	1	5	4	1	-	-	-	44	42	2	54	50	4
2000 and above	2	2	-	1	1	-	-	-	-	100	97	3	103	100	3
Unspecified	71	71	-	120	113	7	5	5	-	4	4	-	200	193	7
Total C.	89	87	2	142	133	8	7	7	-	274	246	28	512	473	39
D — Total A+B+C															
Less than 100	-	-	-	-	-	-	-	-	-	8	5	3	8	5	3
100 — 499	282	281	1	578	461	117	33	33	-	192	138	54	1,085	913	172
500 — 999	250	248	2	310	296	14	25	25	-	148	131	17	733	700	33
1000 — 1999	124	123	1	86	84	2	2	2	-	87	84	3	299	293	6
2000 and above	25	24	1	14	14	-	-	-	-	113	110	3	152	148	4
Unspecified	188	187	1	275	233	42	13	12	1	8	7	1	484	439	45
Total D.	869	863	6	1,263	1,088	175	73	72	1	556	475	81	2,761	2,498	263

Source — Population of India, 1971 census.

**Percentage Distribution of Scientific and Technical Personnel Holding Degree According
Emoluments by Sector and Sex, 1971 (Contd.)**

Sector; Monthly Emoluments in (Rs.)	Engineering & Technology			Science			Agriculture & Veterinary			Health and Medical			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
C -- Self Employed															
Less than 100	-	-	-	-	-	-	-	-	-	0.36	0.41	-	0.20	0.21	-
100 -- 499	5.62	5.75	-	6.35	6.02	11.11	-	-	-	23.36	18.70	64.29	15.23	12.48	48.71
500 -- 999	6.74	5.74	50.00	4.93	5.26	-	28.57	28.57	-	22.26	22.76	17.86	14.81	14.80	15.39
1000 -- 1999	5.62	4.60	50.00	3.52	3.01	11.11	-	-	-	16.06	17.07	7.14	10.55	10.57	10.26
2000 and above	2.25	2.30	-	0.70	0.75	-	-	-	-	36.50	39.43	10.71	20.12	21.14	7.69
Unspecified	79.77	81.61	-	84.51	84.96	77.78	71.43	71.43	-	1.46	1.62	-	39.06	40.80	17.95
Total C.	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	-	100.00	100.00	100.00	100.00	100.00	100.00
D -- Total A+B+C															
Less than 100	-	-	-	-	-	-	-	-	-	1.44	1.05	3.70	0.29	0.20	1.14
100 -- 499	32.45	32.56	16.67	45.76	42.37	66.86	45.20	45.83	-	34.53	29.05	66.67	39.30	36.55	65.40
500 -- 999	28.77	28.74	33.33	24.55	27.21	8.00	34.25	34.72	-	26.62	27.58	20.99	26.55	28.02	12.55
1000 -- 1999	14.27	14.25	16.67	6.81	7.72	1.14	2.74	2.78	-	15.65	17.69	3.70	10.83	11.73	2.28
2000 and above	2.88	2.78	16.67	1.11	1.29	-	-	-	-	20.32	23.16	3.70	5.50	5.92	1.52
Unspecified	21.63	21.67	16.66	21.77	21.41	24.00	17.81	16.67	100.00	1.44	1.47	1.24	17.53	17.58	17.11
Total D.	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Source: — Census of India 1971, Goa, Daman and Diu.

TABLE 7.16

Distribution of Scientific and Technical Personnel by Degree Holders According to the Age-Group, Sector and Employment and Sex, 1971

Sector of Employment and age-group	Engineering and Technology			Science			Agricultures and Veterinary			Health and Medicine			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A -- PUBLIC SECTOR															
Less than 25 years	39	39	-	72	47	25	11	11	-	7	4	3	129	101	28
25-34 years	292	290	2	301	273	28	23	23	-	115	82	33	731	668	63
35-44 years	93	93	-	127	118	9	19	19	-	75	66	9	314	296	18
45-54 years	13	13	-	30	29	1	2	2	-	39	38	1	84	82	2
55-years and above	6	6	-	7	7	-	1	1	-	9	9	-	23	23	-
Age not Stated	1	1	-	4	4	-	1	1	-	4	3	1	10	9	1
Total A	444	442	2	541	478	63	57	57	-	249	202	47	1291	1179	112
B -- PRIVATE SECTOR															
Less than 25 years	32	32	-	86	54	32	1	1	-	-	-	-	119	87	32
25-34 years	250	205	1	310	257	53	3	3	-	13	10	3	532	475	57
35-44 years	74	73	1	124	111	13	2	1	1	12	9	3	212	194	18
45-54 years	10	10	-	41	37	4	2	2	-	4	4	-	57	53	4
55-years and above	8	8	-	15	14	1	-	-	-	4	4	-	27	26	1
Age not Stated	6	6	-	4	4	-	1	1	-	-	-	-	11	11	-
Total B	336	334	2	580	477	103	9	8	1	33	27	6	958	846	112

Distribution of Scientific and Technical Personnel by Degree Holders According to the Age-Group, Sector and Employment and Sex, 1971 (Concl'd.)

Sector of Employment and age-group	Engineering and Technology			Science			Agricultures and Veterinary			Health and Medicine			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
C — SELF EMPLOYED															
Less than 25 years	10	10	-	7	6	1	-	-	-	1	1	-	18	17	1
25-34 years	38	37	1	40	39	1	2	2	-	64	46	18	144	124	20
35-44 years	29	29	-	55	53	2	3	3	-	61	56	5	148	141	7
45-54 years	10	9	1	19	15	4	1	1	-	44	42	2	74	67	7
55-years and above	2	2	-	20	19	1	1	1	-	100	97	3	123	119	4
Age not Stated	-	-	-	1	1	-	-	-	-	4	4	-	5	5	-
Total C	89	87	2	142	133	9	7	7	-	274	246	28	512	473	39
D — ALL SECTOR & (A+B+C)															
Less than 25 years	81	81	-	165	107	58	12	12	-	8	5	3	266	205	61
25-34 years	536	532	4	651	569	82	28	28	-	192	138	54	1 407	1,267	140
35-44 years	196	195	1	306	282	24	24	23	1	148	131	17	674	631	43
45-54 years	33	32	1	90	81	9	5	5	-	87	84	3	215	202	13
55-years and above	16	16	-	42	40	2	2	2	-	113	110	3	173	168	5
Age not Stated	7	7	-	9	9	-	2	2	-	8	7	1	26	25	1
Total D	869	863	6	1,263	1,088	175	73	72	1	556	475	81	2,761	2,498	263

Source: — Census of India 1971. Goa, Daman and Diu

Percentage Distribution of Scientific and Technical Personnel Holding Degree According to Age-Group, Sector of Employment and Sex, 1971 (Concl'd.)

Age-group/Sector	Engineering and Technology			Science			Agricultures and Veterinary			Health and Medicine			Total			
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Females		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
C. SELF-EMPLOYED																
Less than 25 years	11.24	11.49	-	4.93	4.51	11.11	-	-	-	0.36	0.41	-	3.52	3.59	2.56	
25-34 years	42.79	42.53	50.00	28.17	29.32	11.11	28.57	28.57	-	23.36	18.76	34.29	28.12	26.22	51.28	
35-44 years	32.58	33.33	-	38.73	39.85	22.22	42.86	42.86	-	22.26	22.76	17.86	28.91	29.81	17.95	
45-54 years	11.23	10.35	50.05	13.38	11.28	44.45	14.29	14.29	-	16.03	17.07	7.14	14.45	14.16	17.95	
55 years and above	2.25	2.30	-	14.08	14.29	11.11	14.28	14.28	-	36.50	39.43	10.71	24.02	25.16	10.26	
Age not stated	-	-	-	0.71	0.75	-	-	-	-	1.46	1.53	-	0.98	1.06	-	
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	-	100.00	100.00	100.00	100.00	100.00	100.00	
D. TOTAL (+A+B)																
Less than 25 years	9.32	9.39	-	13.06	9.83	33.14	16.44	16.67	-	1.44	1.05	3.70	9.63	8.21	23.20	
25-34 years	61.68	61.64	66.68	51.54	52.30	46.86	38.35	38.89	-	34.53	29.05	66.67	50.96	50.72	53.23	
35-44 years	22.55	22.60	16.66	24.23	25.92	13.72	32.88	31.94	100.00	26.62	27.58	20.99	24.41	25.26	16.35	
45-54 years	3.80	3.71	16.66	7.13	7.44	5.14	6.85	6.94	-	15.65	17.68	3.70	7.79	8.09	4.94	
55 years and above	1.84	1.85	-	3.33	3.68	1.14	2.74	2.78	-	20.32	23.15	3.70	6.27	6.72	1.90	
Age not stated	0.81	0.81	-	0.71	0.83	-	2.74	2.78	-	1.44	1.47	1.24	0.94	1.00	0.38	
Total D	100.00	100.00	100.00	100.00	100.05	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
Actual number	869	863	6	1263	1088	175	73	72	1	556	475	81	2761	2498	263	

Source: — Census of India 1971. Goa, Daman and Diu.

TABLE 7.18

Unemployed Scientific and Technical Personnel Holding Degree by Period of Unemployment and Sex, 1971

Duration of unemployment (in month)	Engineering and Technology			Science			Agriculture & Veterinary			Health and Medical			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Up to 6 months	15	14	1	20	16	4	-	-	-	4	2	2	39	32	7
7-12 months	7	7	-	73	50	23	-	-	-	4	3	1	84	60	24
13-24 months	4	4	-	14	9	5	-	-	-	3	-	3	21	13	8
25 and more	8	8	-	23	12	11	1	1	-	-	-	-	32	21	11
Period not stated	13	13	-	20	11	9	-	-	-	4	2	2	37	26	11
Total	47	46	1	150	98	52	1	1	-	15	7	8	213	152	61

Source: — Census of India 1971, Goa, Daman and Diu.

TABLE 7.19

Percentage Distribution of Unemployed Scientific and Technical Personnel Holding Degree by Period of Unemployment and Sex, 1971

Duration of unemployment (in month)	Engineering and Technology			Science			Agriculture & Veterinary			Health and Medical			Total		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Up to 6 months	31.92	30.43	100.00	13.33	16.33	7.69	-	-	-	26.67	28.57	25.00	18.31	21.05	11.48
7-12 months	14.89	15.22	-	48.68	51.02	44.23	-	-	-	26.67	42.86	12.50	39.44	39.47	39.34
13-24 months	8.51	8.70	-	9.33	9.18	9.62	-	-	-	19.99	-	37.50	9.86	8.55	13.12
25 and more	17.02	17.39	-	15.33	12.25	21.16	100.00	100.00	-	-	-	-	15.02	13.82	18.00
Period not stated	27.66	28.26	-	13.33	11.22	17.31	-	-	-	26.67	28.57	25.00	17.37	17.11	18.03
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	-	100.00	100.00	100.00	100.00	100.00	100.00
Actual number	47	46	1	150	98	52	1	1	-	15	7	1	213	152	61

Source: — Census of India 1971, Goa, Daman and Diu.