2. 計画の背景に関する資料

- 気象状況
- 各国の人口，経済，社会状況
- パキスタン国における医療施設数
- 1981年度における伝染病患者数と死亡者数
- 教育病院におけるベッド数と従業者数
- 医学生の試験制度M.B, B.S
- パキスタン国経済省機構図
- パンジャブ州保健局機構図
- パンジャブ医科大学機構図
- パンジャブ医科大学教員リスト
- パンジャブ医科大学建築関係技術者リスト
- 質疑回答
- パンジャブ医科大学における現有の医療機器リスト
- 日本医療機器メーカーのパキスタン代理店と取扱機器
- パキスタン国鉄道幹線

気　象　状　況

1.　パキスタン国の気象状況

1）気温

年間最高平均気温　：　45°C

年間最低平均気温　：　0°C

年間最高気温　：　52°C

年間最低気温　：－15°C

2）降雨

年間降雨量　：250mm

3）恒風

夏　：　アラビア海よりの南西季節風

冬　：　カラコルム山系よりの北東風

2.　ラホール（Lahore）の気象状況

	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月	年	統計期間
月平均気温（℃）	12.2	15.3	20.5	26.6	31.8	33.9	32.1	31.2	29.9	25.4	18.8	13.8	24.3	1931～1960
月平均湿度（%）	73	61	55	43	37	43	66	73	66	64	70	75	61	1951～1960
月間降雨量（mm）	31	23	24	16	12	38	122	123	80	9	3	11	492	1931～1960

※ 観測地点：31′33″N，74′20″E，高度214m

各国の人口，経済，社会状況（1978年現在）

指標	日本	韓国	タイ	マレーシア	フィリピン	インドネシア	フィージー	バングラデシュ	ネパール	スリランカ	パキスタン	ヨルダン
人口（100万人）	114.9	37	45.3	10.9	45.1	145	0.61	84.6	13.4	14.3	77	2.98
人口の自然増加率（‰）	8.8	17	26.0	24.6	24	24	25[a]	26.5	21−23	20.1	30	32[a]
15歳未満の人口割合（%）	24	39	43	40	43	43	40	46	42	39	47	52[a]
普通出生率（CBR）	14.9	24	34.6	30.6	33	38	30[a]	46.5	42−44	27.5	43	38[a]
普通死亡率（CDR）	6.1	7	9	6	9	14	5[a]	20.0	20−22	7.4	13	6[a]
乳児死亡率（出生1000当り）（推定年次）	8 (1978)	38 (1975)	26 (1976)	35 (1975)	74 (1976)	140 (1970)	19 (1975)	140 (1975)	133 (1975)	44 (1976)	136 (1970)	15 (1977)
出生時平均余命（1975〜80年推定）												
男子	73.0[c]	66.2	59.9[a]	66.2[b]	59.3[c]	48.7	69.5	50[b]	44.0	62.0	51.9	51.7[e]
女子	78.9[c]	70.6	63.2[a]	71.4[b]	63.1[c]	51.3	73.1	49[b]	42.5	65.0	51.7	54.8[e]
都市人口割合（%）	76[g]	48	18	34	35	18	37	10	5	25	27	42[d]
識字率（%）（推定年次）	(1978)	(1970)	(1970)	(1970)	(1977)	(1976)	(1977)	(1974)	(1975)	(1971)	(1973)	
男子	100	94	89	72	88	} 70	84	33	33	86	} 17	—
女子	100	84	75	50	87		74	15	5	71		—
（年齢集団）		(6+)	(10+)	(10+)	(10+)	(6+)	(15+)	(5+)	(15+)	(10+)	(10+)	
国民1人当りGDP（US$：1977年）	5,002[b]	950	412	1,033	459	320	1,287	93	106	244	225	697
国民1人当りエネルギー消費量（石炭換算でキログラム単位）	3,679[b]	1,020	308	578	329	218	403	32	11	106	181	527[b]

a：1977年推定値　d：1974年推定値　g：1975年
b：1976年推定値　e：1970−75年推計
c：1978年推定値　f：1980年

（資料）D.L. Nortman, and E. Hofstaffer, *Population and Family Planning Programs: A compendium of data through* 1978, New York, The Population Council, 1980; United Nations, *Statistical Yearbook*, 1978, New York: United Nations, 1979.

パキスタン国における医療施設数

The number of Hospitals, Dispensaries, Tuberculosis Clinics, MCH Centres etc. in Urban and Rural areas

on 1st January, 1982

Province	U R	Hospitals		Dispensaries		Tubeculosis Clinics		MCH Centres		RHC Centres		Total	
		Nos	Beds	Nos	Beds	Nos	Beds	Nos	Beds	Nos	Beds	Nos	Beds
Punjab	U	212	19,364	386	349	53	10	371	15	-	-	1,022	19,738
	R	25	706	910	1,833	-	-	135	-	148	1,120	1,218	3,659
Sind	U	193	14,476	797	353	19	-	108	48	-	7	1,117	14,877
	R	4	396	496	49	-	-	23	18	63	734	586	1,197
N.W.F.P.	U	55	4,517	46	64	13	78	50	-	-	-	164	4,659
	R	88	3,161	536	288	3	20	77	-	47	250	751	3,719
Baluchistan	U	24	1,766	22	38	9	-	25	-	-	-	80	1,804
	R	12	248	266	172	1	-	28	-	25	250	332	670
	U	484	40,123	1,251	804	96	88	554	63	-	-	2,383	41,078
	R	129	4,511	2,208	2,342	4	20	263	18	283	2,354	2,872	9,245
Total		613	44,634	3,459	3,146	98	108	817	81	283	2,354	5,270	50,323

Source: Annual Report of The Director General Health

1981年度における伝染病患者数と死亡者数

The incidence of Communicable Disease, Notifiable in Pakistan for the year 1981

S. No.	Disease	PUNJAB		SIND		N.W.F.P.		BALUCHISTAN		TOTAL	
		C	D	C	D	C	D	C	D	C	D
1.	Cerebrospinal	154	7	487	4	701	5	-	-	1,342	16
2.	Influenza	35	-	2,575	-	11,044	-	-	-	13,654	-
3.	Poliomyelitis	222	-	204	27	34	-	-	-	460	27
4.	Whooping Cough	1,968	-	20,691	4	8,754	-	-	-	31,413	4
5.	Measles	989	17	8,812	3	2,938	13	5,715	-	18,454	33
6.	Diphtheria	115	10	245	6	593	49	-	-	953	65
7.	Chicken Pox	25	-	2,807	-	290	2	-	-	3,122	2
8.	Leprosy	3,388	-	271	-	356	-	723	-	4,738	-
9.	Puerperal Fever	-	-	610	12	24	-	-	-	634	12
10.	Scarlet Fever	-	-	-	-	295	-	-	-	295	-
11.	Sprue	-	-	-	-	912	-	-	-	912	-
12.	Enteric Fever	10,224	21	26,336	-	6,077	67	23,735	25	66,372	113
13.	Dysentery	71,851	27	114,055	2	47,584	-	31,997	64	265,487	93
14.	Mumps	562	-	5,969	-	3,920	-	-	-	10,451	-
15.	Erysipelas	-	-	-	-	-	-	-	-	-	-
16.	Tuberculosis	25,437	241	55,733	322	18,364	17	8,028	21	107,562	601
17.	Tetanus	47	9	374	62	1,775	80	8	3	2,204	154
18.	Neo-Natal Tetanus ...	-	-	642	146	-	-	-	-	642	146

Source: Annual Report of The Director General Health

教育病院におけるベッド数と従事者数

Bed strength and staff employed in Teaching Hospitals

on 1st January, 1982

Medical College	Name of attached teching hospital	Sex	Bed Strength	Staff position as on 1-1-1982			
				Specia-list	MBBS Doctors	Nursing Staff	Others
1	2	3	4	5	6	7	8
King Edward Medical College, Lahore.	(i) Mayo Hospital, Lahore.	M	841	5	248	-	845
		F	557	2	21	197	155
		T	1,537 (139 common)	7	269	197	1000
	(ii) Lady Wallingdon Hospital, Lahore.	M	-	5	5	-	142
		F	235	3	36	156	71
		T	235	8	41	156	213
Fatima Jinnah Medical College, Lahore.	Sir Ganga Ram Hospital, Lahore.	M	190	13	12	-	292
		F	254	18	103	72	87
		T	444 (90 common)	31	115	72	379
Allama Iqbal Medical College, Lahore.	Services Hospital Lahore.	M	231	10	55	-	383
		F	185	1	15	78	73
		T	436 (20 common)	11	70	78	456
Postgraduate Medical Institute.	Lahore General Hospital, Lahore.	M	231	9	39	7	275
		F	197	1	5	66	58
		T	428	10	44	73	333
Punjab Medical College, Faisalabad.	District Headquarter Hospital, Faisalabad.	M	310	5	42	7	173
		F	194	1	4	50	34
		T	504	6	46	57	207

Medical College	Name of attached teching hospital	Sex	Bed	Strength	Staff position as on 1-1-1982			
					Special-list	MBBS Doctors	Nursing Staff	Others
1	2	3		4	5	6	7	8
Nishter Medical College, Multan.	Nishter Hospital Multan.	M	455		23	73	-	587
		F	461		4	91	185	179
		T	916		27	164	185	766
Quaid-e-Azam Medical College, Bahawalpur.	B.V. Hospital, Bahawalpur.	M	255		3	32	-	266
		F	278		-	6	54	67
		T	618	(85 common)	3	38	54	333
Rawalpindi Medical College, Rawalpindi.	(i) District Headquarter Hospital, Rawalpindi.	M	82		7	9	-	82
		F	49		2	5	20	23
		T	131		9	14	20	105
	(ii) Holy Family Hospital, Rawalpindi.	M	134		15	44	-	188
		F	176		4	29	47	75
		T	380	(70 common)	19	73	47	263
	(iii) Rawalpindi General Hospital, Rawalpindi.	M	164		19	45	3	564
		F	178		5	13	101	128
		T	430	(88 common)	24	58	104	692
Sind Medical College, Karachi.	Jinnah Postagraduate Medical Centre, Karachi.	M	336		51	50	249	745
		F	467		13	39	255	220
		T	938	(Special Ward 38 children 97)	64	89	504	965

Medical College	Name of attached teching hospital	Sex	Bed	Strength	Staff position as on 1-1-1982			
					Special-list	MBBS Doctors	Nursing Staff	Others
1	2	3		4	5	6	7	8
Dow Medical College, Karachi.	Civil Hospital, Karachi.	M	696		14	68	15	610
		F	660		6	27	182	173
		T	1,356		20	95	197	783
Liaquat Medical College, Jamor.	Liaquat Medical College, Hospital, Hyderabad.	M	581		-	50	-	588
		F	427		-	18	66	120
		T	1,008		-	68	66	708
Nawabshah Medical College, Nawabshah.	Medical College Hospital, Nawabshah.	M	192		-	51	-	184
		F	320		-	11	25	1
		T	512		-	62	25	185
Chandka Medical College, Larkana.	(i) Chandka Medical College Hospital, Larkana.	M	212		10	20	6	156
		F	133		1	1	27	33
		T	420	(children 75)	11	21	33	189
	(ii) Shaikh Zaid Women Hospital, Larkana.	M	-		-	-	-	41
		F	100		-	7	9	28
		T	100		-	7	9	69
	(iii) Nurad Wahan Charitable Hospital, Larkana.	M	-		-	-	-	-
		F	-		-	-	-	-
		T	4		—	—	—	—
Khyber Medical College, Peshawar.	(i) Khyber Hospital, Peshawar.	M	414		-	41	14	345
		F	321		-	8	97	137
		T	735		-	49	111	682

Medical College	Name of attached teching hospital	Sex	Bed Strength	Staff position as on 1-1-1982			
				Special-list	MBBS Doctors	Nursing Staff	Others
1	2	3	4	5	6	7	8
(ii)	Government Lady Reading Hospital, Peshawar.	M	630	25	40	15	126
		F	185	3	20	161	317
		T	815	28	60	176	443
Ayub Medical College, Abbottabad.	District Headquarter Hospital, Abbottabad.	M	111	9	11	5	76
		F	84	1	3	17	26
		T	195	10	14	22	102
Bolan Medical College, Quetta.	Sandeman (Prov) Hospital, Quetta.	M	211	24	38	14	21
		F	189	2	11	51	21
		T	400	26	49	65	42

Source: Annual Report of The Director General Health

医学生の試験制度 M.B., B.S.

クラス試験

○ 2年，3年 …… 2回
　1年，4年，5年 …… 1回
} 合格率は全クラスについて　33％

1年　進級テストの合格率も33％で，1つか2つの科目の追試に失敗したら進級出来ない。出席率がどの科目でも66％未満の学生は進級試験が受けられない。

2年　2回のクラス試験で，同じ1つか2つの科目に失敗したら大学の試験が受けられない。

3年　2回ある試験の科目は次の通り。

①基礎薬理学　②法医学と中毒学　③一般病理学　④外科学概要
⑤内科診断学

全部必修であるが，①②の不合格者は大学試験の受験資格を失う。

4年　次の試験を受ける。

①特殊病理学　②社会医学　③内科学　④外科学
⑤産婦人科学　⑥眼，耳鼻科学

①②とその他の1つをパスした学生が大学の試験を受けられる。

5年　試験。

①内科 etc　②外科　③産婦人科　④眼耳鼻科　⑤精神病

5科目合格すれば大学試験を受験できる。

試験はすべて必修であり，欠席したり不合格だった者は履習不完全として，進級のための大学試験を受けることができない。このような学生がもし奨学生であれば，その資格を失う。

○ 3，4，5年の臨床実習中の成績カードで，各科教授の判定が1つでも不合格であれば大学の最終専門試験は受けられず留年となる。受験を保留された学生は出席と成績が規定に達すれば大学の試験を受けることができる。

大学試験

1次専門	MB，BS試験	2年の終わり
2次専門	MB，BS試験	3年の終わり
3次専門	MB，BS試験	4年の終わり
最　終	MB，BS試験	5年の終わり

各科の理論と実際について別々に50％を達成しなくてはならない。最終試験の臨床科目の実習で50％は不可欠である。大学試験に不合格なら完全に合格するまで進級できない。

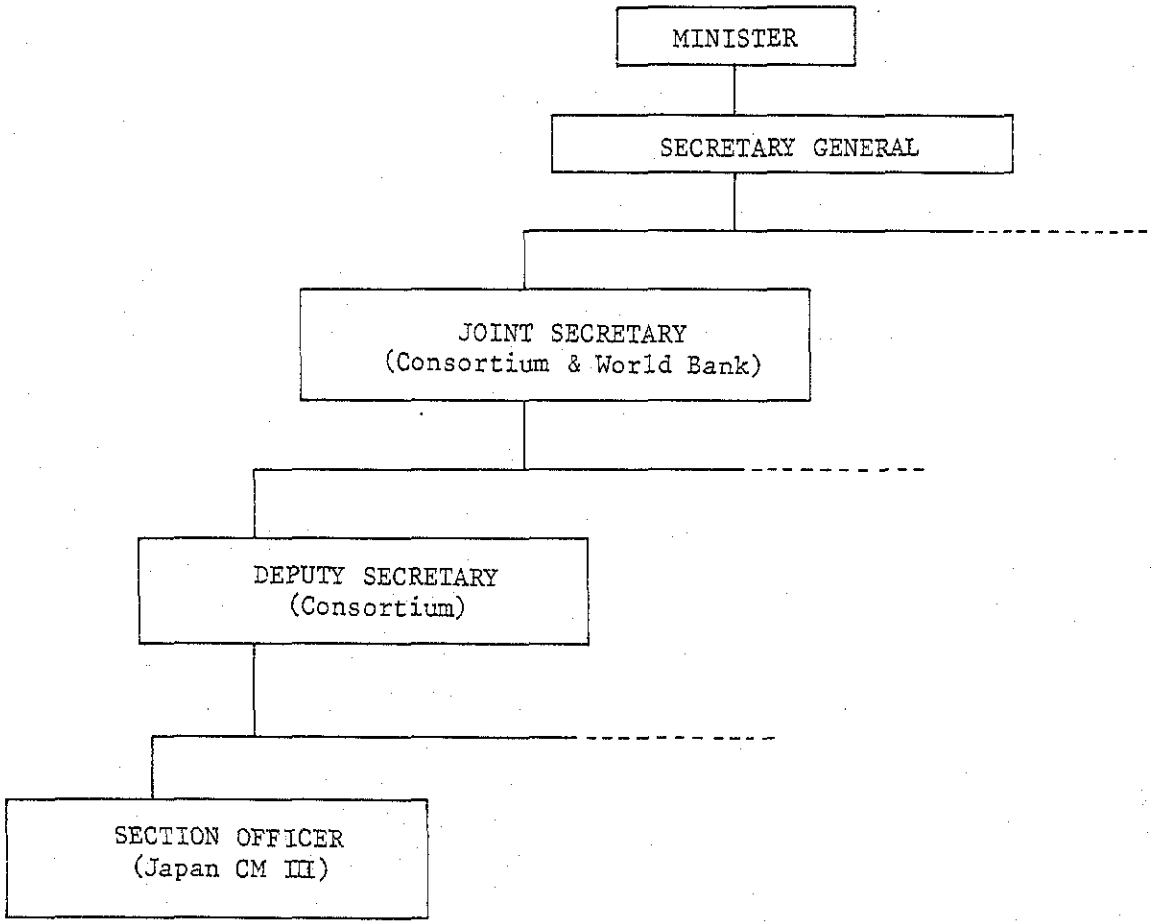
入学から4年間に4回，1次専門試験に不合格ならば退学，毎年の試験と追試はそれぞれ1回に数える。

学長は教授の報告に基づき，成績，性格，行動上不適当と自分が判断した学生をいつでも専門試験から外す権利がある。

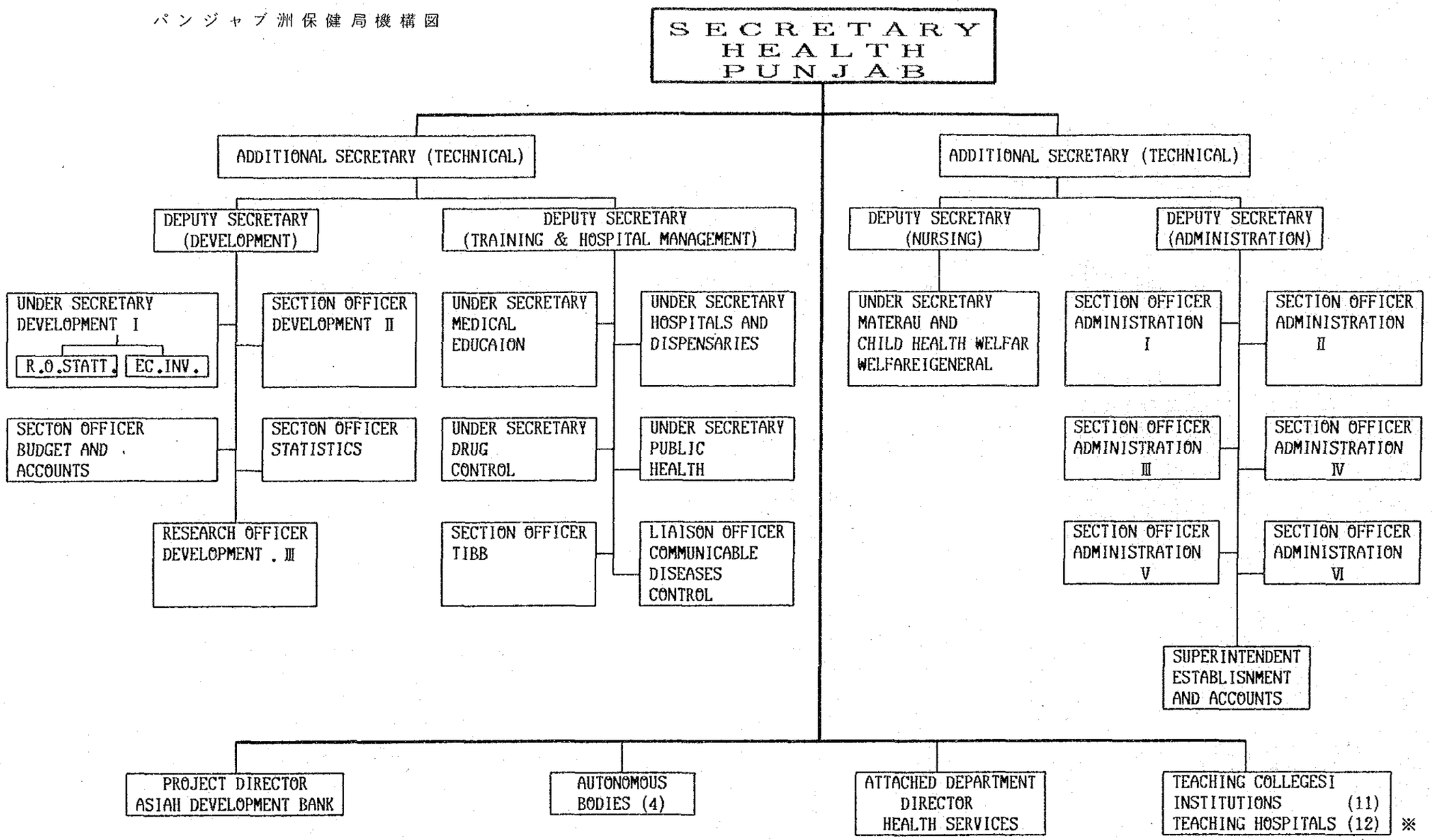
専門試験科目の講義と実習の出席率が75％に満たない学生は専門試験科目を受験できない。

大学試験を受験する時は「未返済なしカード」を提出して図書館や購買，寄宿舎に未返済の本や金がないことを証明しなくてはならない。それができなければ受験できない。

パキスタン国経済省機構図（一部）



パンジャブ洲保健局機構図

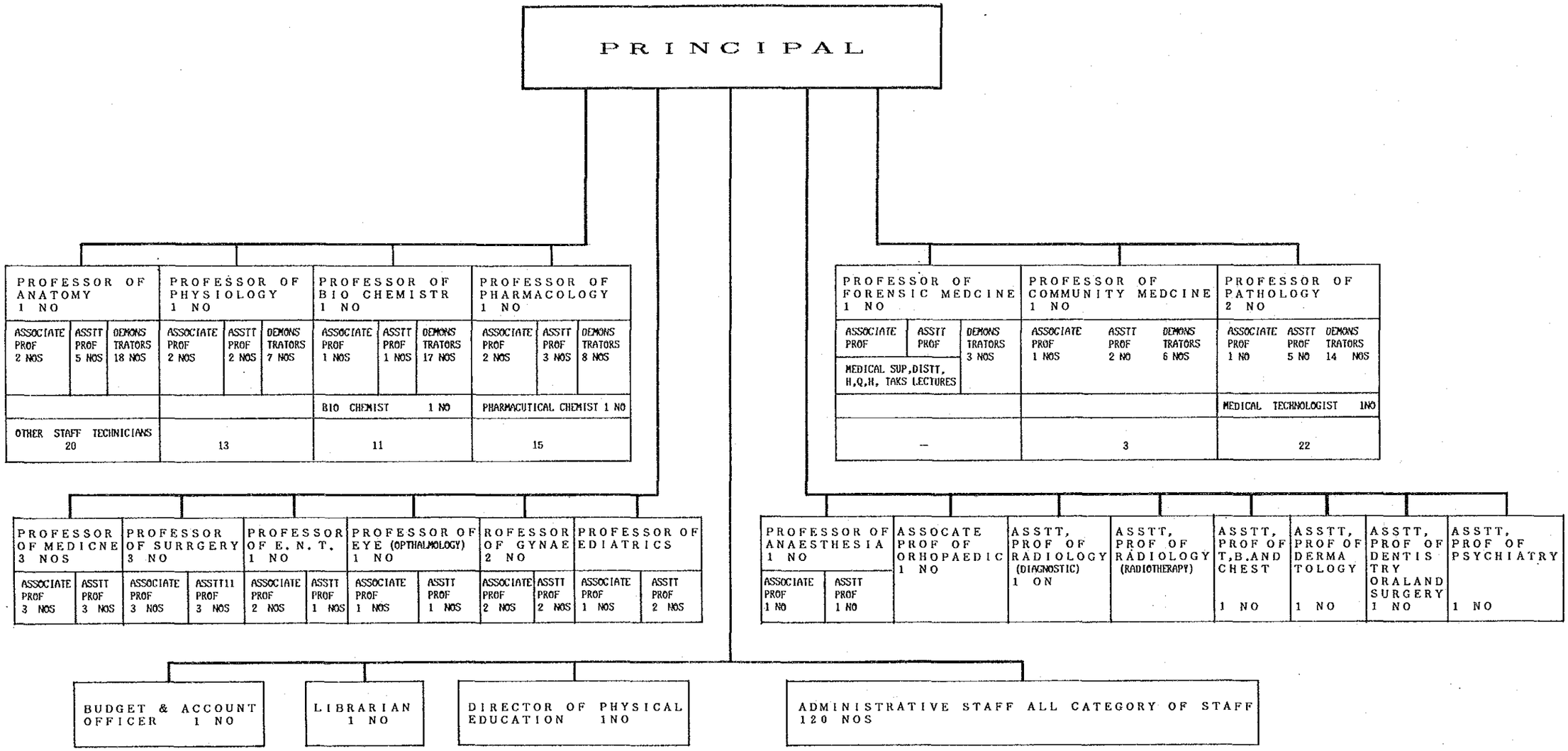


ABBRIVATIONS

R.O.STATT—RESEARCH OFFICER STATISTICS
EC.INC: —ECONOMIC XNVESTIGATOR

※ DIRECTLY UNDER THE CONTROL OF THE SECRETARY HEALTH

パンジャブ医科大学機構図



パンジャブ医科大学教員リスト

ANATOMY DEPARTMENT.

Professor	Vacant
Associate Professor	Dr. Mansoob Ahmad Khan
Assistant Professor	Dr. Muzaffar Jalal Khan
Demonstrators	Dr. Liaquat Ali
	Dr. Muhammad Ashraf
	Dr. Muhammad Aslam
	Dr. Javed Zia
	Dr. Kaukab Shakeel
	Dr. Imtiaz Ahmad
	Dr. Khalid Pervez
	Dr. Muhammad Bilal
	Dr. Akmal Faiz Bhatti
	Dr. Tanveer Ahmad
	Dr. Arfan Mirza
	Dr. Khalid Mahmood Akhtar
	Dr. Sultan Aleem
	Dr. Niaz Ali Ahmad Khan
	Dr. Naeem Ullah Kahn
	Dr. Iftikhar Ahmad
	Dr. Azra Nazir
	Dr. Mrs. Bushra Tahir

PHYSIOLOGY DEPARTMENT.

Professor	Dr. Nasir A. Bashir
Associate Professor	Vacant
Assistant Professor	Dr. Mrs. Tasneem Cheema
Demonstrators	Dr. Altaf Hussain
	Dr. Manzoor Shahzad
	Dr. Muhammad Manzoor
	Dr. Liaquat Ali Khan
	Dr. Muhammad Ashraf
	Dr. Tahir Mahmood Mubarik
	Dr. Pervez Iqbal

BIOCHEMISTRY DEPARTMENT.

Professor	Dr. Muhammad Ali
Associate Professor	Vacant
Assistant Professor	Vacant
Demonstrators	Dr. Muhammad Shafiq
	Mr. Iftikhar Ahmad
	Mr. Muhammad Iqbal Tahir
	Dr. Pervez Azam Malik
	Dr. Pervez Nasir
	Dr. Rana Muhammad Tariq
Biochemist	Mr. Tariq Latif Butt

PHARMACOLOGY DEPARTMENT.

Professor	Dr. Muhammad Anis Mahju
Associate Professor	Vacant
Assistant Professor	Dr. Mrs. Kishwar Sultana
Demonstrators	Dr. Miss Nazir Begum
	Dr. Maqbool Ahmad
	Dr. Mrs. Hamida Sadozai
	Dr. Irshad Nabi
	Dr. Imtiaz Ahmad Warriach
	Dr. Syed Hussain Akhtar
	Dr. Muhammad Naeem Iqbal
	Dr. Saeed Anwar
Medical Technologist	Miss Farhat Begum
Pharmaceuitcal Chemist	Vacant

PATHOLOGY DEPARTMENT.

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Associate Professor	Dr. Naseer Ahmad Chaudhary
Assistant Professor	Dr. Abdul Rehman
	Dr. Janbaz Ahmad Khurshid
	Dr. Mrs. Fakhira Mahmood
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	Dr. Iftikhar Hameed Mazhar
	Dr. Abdul Haleem Sahoota
	Dr. Saeed Akhtar Khan
	Dr. Isthiaq Ahmad
	Dr. Syed Asif Hayat
	Dr. Abbas Ali Khan
	Dr. Muhammad Saleem Zafar
	Dr. Aurang Zeb
	Dr. Mrs. Chazala Shaheen
	Dr. Mrs. Nafees Akhtar
	Dr. Mian Zahid Malik
	Mr. Abdul Haq
	Miss Zahida Naseem

COMMUNITY MEDICINE DEPARTMENT.

Professor	Vacant
Associate Professor	Dr. Shahid Hussain Bokhari
Assistant Professor	Dr. Muhammad Asghar
Demonstrators	Dr. Abdul Majeed
	Dr. Iftikhar Ahmad
	Dr. Muhammad Arif Ali
	Dr. Azhar Waheed
	Dr. Abdul Rashid Ch.
	Dr. Muhammad Naeem Akhtar

FORENSIC MEDICINE DEPARTMENT.

Assistant Professor	Vacant
Demonstrators	Dr. Haji Muhammad Aslam
	Dr. Talat Mahmood
	Dr. Shagufta Mustafa

MEDICINE DEPARTMENT.

UNIT NO. 1.

Professor	Dr. S.A. Zaidi
Associate Professor	Dr. Khalid Latif
Assistant Professor	Dr. Muhammad Siddique

UNIT NO. 2.

Professor	Dr. Ali Ajwad Jafri
Associate Professor	Dr. Saleema Caisara
Assistant Professor	Dr. Riaz Ul Haq

UNIT NO. 3.

Professor	Dr. Naeem Ahmad
Associate Professor	Dr. Tufail Muhammad
Assistant Professor	Dr. Irshad Ul Haq

SURGERY DEPARTMENT.

UNIT NO. 1.

Professor	Dr. Muhammad Iqbal Khan
Associate Professor	Dr. A.G. Reehan
Assistant Professor	Vacant

UNIT NO. 2.

Professor	Dr. Masood Ahmad Butt
Associate Professor	Dr. Muhammad Shuja Tahir
Assistant Professor	Dr. Muhammad Sajjad Dar

UNIT NO. 3.

Professor	Dr. Wali Muhammad Saghir
Associate Professor	Dr. Makhshuf Ather
Assistant Professor	Dr. Riaz Dab Hussain

PAEDIATRICS DEPARTMENT.

Professor	Dr. Muhammad Zafar Ch.
Associate Professor	Dr. S.M. Iqbal
Assistant Professor	Dr. Muhammad Iqbal Sheikh

OPHTHALMOLOGY DEPARTMENT.

Professor	Dr. Riaz Mahmood Mahju
Associate Professor	Dr. Zia-Ud.-Din Ahmad
Assistant Professor	Dr. Mushtaq Ahmad

E.N.T. DEPARTMENT.

Professor	Dr. Sarfraz Hussain
Associate Professor	Dr. Muhammad Jamil Bhutta
	Dr. Muhammad Zahid Ameer
Assistant Professor	Vacant

MIDWIFERY/CYNAECOLOGY.

Professor	Dr. Mrs. Altaf Bashir
Associate Professor	Vacant
Assistant Professor	Dr. Mehnaz Roohi

ANAESTHESIA DEPARTMENT.

Professor	Dr. Muhammad Manzoor Ch.
Associate Professor	Vacant
Assistant Professor	Dr. Muhammad Ikram

T.B. AND CHEST DISEASES.

Associate Professor	Vacant
Assistant Professor	Dr. Sultan A. Abdullah

ORTHOPAEDIC DEPARTMENT.

Associate Professor	Dr. Naseer Ahmed Ch.

PSYCHIATRY DEPARTMENT.

Assistant Professor	Dr. Shaukat Ali Zahid

RADIOLOGY (DIAGNOSTIC).

Assistant Professor	Dr. Abdul Hamid Sabir

RADIOLOGY (THERAPUTIC).

Assistant Professor	Dr. Ali Jawad Hussain

ORAL SURGERY.

Assistant Professor	Dr. Sahfiq Ahmad

DERMATOLOGY AND
VENERAL DISEASES.

Assistant Professor	Dr. Syed Muhammad Azam

パンジャブ医科大学エンジニア・リスト

LIST OF ENGINEERING STAFF.

1.	Engr. Muhammad Aslam Sheikh.	Executive Engineer.

SUB DIVISIONAL OFFICERS.

1.	Engr. Maraj Din.	Sub Divisional Officer.
2.	Engr. Faqir Muhammad Khan.	Sub Divisional Officer.
3.	Engr. Ajmal Kaleem Ullah.	Sub Divisional Officer.
4.	Engr. Masood Akhtar.	Sub Divisional Officer.

SUB ENGINEERS.

1.	Mr. Abdul Sattar.	Sub Engineer.
2.	Mehar Muhammad Nawaz.	Sub Engineer.
3.	Mr. Muhammad Arshad.	Sub Engineer.
4.	Mr. Muhammad Jaffar.	Sub Engineer.
5.	Mr. Muhammad Saeed.	Sub Engineer.
6.	Mr. Zahoor Ahmad.	Sub Engineer.
7.	Mr. Ikram-ul-Haq.	Sub Engineer.
8.	Mr. Muhammad Tariq Ismail.	Sub Engineer.
9.	Mr. Muhammad Ramzan.	Sub Engineer.
10.	Mr. Zulifqar Ali.	Sub Engineer.
11.	Mr. Muhammad Ashraf Tabbsum.	Sub Engineer.
12.	Mr. Fayyaz-ul-Haq.	Sub Engineer.

Executive Engineer,
Medical College Construction Division,
FAISALABAD.

質　疑　回　答

A-2

GENERAL INFORMATION IN FAISALABAD.

1. Number of Hospital and the Scale.

List showing the No. of Hospitals with scale enclosed

2. Number of Medical Manpower including Technicians.

3844 [Inclusive of strength of [Punjab Medical College & [Allied Hospital, Faisalabad

3. Education System for Medical Manpower.

In DHQ Hospital Faisalabad.		Punjab Medical College, Faisalabad.
Nursing School	Dispersers Classes.	
117 Students	50 Students	1465 Students

4. Vital Statistics.

Description	No.	No. of Beds
Hospitals inclusive Tehsil Hqr. Hospitals.	16	1416
Rural Health Centre.	8	52
New Punjab Medical College & Allied Hospital, Faisalabad.	1	850
Total Beds:		2318

5. Morbidity & Mortality Patterns.

Total Indoor Patients in a year.

Men	Women	Children	Total	Mortality.	Morbidity.
14970	10101	8030	33101	1240	2390

Mortality Percentage.	Morbidity Percentage.
3.75 %	7.22 %

6. Health Service Organization

Health Organizational Chart enclosed

7. Budget for Health & Medical Services.

Health & Medical Services Budget for 1984-85 (Punjab).

(In Millions).

Development = Rs. 166.560

Non-Development = Rs. 964.137

A-3. Present Condition of Punjab Medical College (in detail).

1.	Present Organization	Organization Chart enclosed
2.	Present Staff (Department & Category).	
3.	Existing Medical Equipment.	List of Existing Medical Equipment enclosed
4.	Education System.	Prospectus enclosed
5.	Number of Students.	1465
6.	Total College Budget.	2.50 Crores (Per annum).
7.	Total College running Cost.	2.50 Crores (Per annum).

A-4. Surveys Project Hospital.

1.	Constitution of Project Hospital (Department, Number of Beds & etc.).	Details are enclosed
2.	Chart of Organization of this Hospital.	Hospital Organization Chart enclosed
3.	Number of all personnel & that of each position.	
4.	Organization to perform the Project.	Principal of Punjab Medical College has been appointed as Project Director in addition to his own duties to perform the Project "Establishment of Punjab Medical College and Allied Hospital, Faisalabad". Executing Agency of this Project is Building Department, Govt. of the Punjab and Consultants - University of Engineering & Technology, Lahore.
5.	Number of Out-Patients supposed.	6 lacs (Old & New) per annum.
6.	Number of In-patients supposed each Department.	5 days stay = 62050 pts. in all Departments. 7 days stay = 44078 pts. in all Departments.
7.	Number of Operations per day.	225 Operations per day.

A-4. (cont'd)

8.	Kinds of Operations supposed.	Major Operations 25,000 per annum.	Minor Operations 45,000 per annum.
9.	Number of Operations per day.	80 Operations per day.	145 Operations per day.
10.	Kinds of Laboratory Tests.	All sorts of tests to be done in New Hospital.	
11.	Quantity consumed X-ray film per day.	300 Nos per day.	
12.	Kinds of X-ray Operations.	X-ray " " " " " " " " " etc.	Chest Abdomen I.V.P. (kidney) Barium Meals. Bones & Joints. Screaning & Spot Film. Skull. Barium Enema. Hystrosalpingography. Chole Cysto graphy
13.	Total Hospital Income expected.		Rs. 30.00 lacs per annum.
14.	Total Hospital running Cost supposed.		Rs. 2.00 Crore per annum.
15.	Maintenance Plan. (Number of personnel, Budget, method for getting medicines spare-parts and consumable etc.)	No. of Personnel. 660	Budget Rs. 24.750 Million (per annum).

Details

	In Millions
Hospitals & College Buildings maintenance.	Rs. 5.655
Equipment & Furniture maintenance	Rs. 0.300
Hospital salaries.	Rs.15.765

A-4. (cont'd)

15.	Hospital Contingencies etc. & Misc.	Rs. 3.030
		Rs.24.750

As regards method for getting medicine, spare parts and consumable etc., bulk supply of medicine, equipment, spare parts and consumable etc; is arranged through Government medical stores Depot and Government of the Punjab Industry & Mineral Development Department Lahore, under prescribed purchase procedure.

A-5. Future Plan College Hospital.

Facility expansion, Medical Equipments Plan, Education Plan & etc. Drawings for the future plan, if any.	As per phasing of Medical Equipment Plan & Development Plan laid down in P.C.I. (approved by the Govt;) of this Project. As regards Education plan, Para Medical School is our future plan and it's approval is under process. Also, Punjab Medic College Allied Hospital, Faisalabad is Teaching Hospital for our College Students.

パンジャブ医科大学における現有の医療機器リスト

No.	Description of Equipment	College	Hospital
1.	Analytical Balance Electric	12 Nos.	-
2.	Laboratory Centrifuge Media (Machine) Hettich 10+14	24 Nos.	-
3.	Microscope complete Binocular Karlkaps	167 Nos.	-
4.	Microtone Knife	2 Nos.	-
5.	Section Cutting Outfit Complete	2 Nos.	-
6.	Distillation Apparatus	4 Nos.	-
7.	Microscope Dissecting	7 Nos.	-
8.	Sterilizer Hot Air 16x14$^1/_2$x10" Non-Electric	1 No.	-
9.	Sterilizer for Syring	2 Nos.	-
10.	B.P. Apparatus	84 Nos.	-
11.	B.P. Apparatus (Aneroid Type)	14 Nos.	-
12.	pH. Meter (Universal)	10 Nos.	-
13.	Photo Electric Colorimeter	4 Nos.	-
14.	Shadowless Light	1 No.	-
15.	Incubator	4 Nos.	-
16.	Hemocytometer	93 Nos.	-
17.	Hemoglobinometer	85 Nos.	-
18.	Copper Water Batch Non-Electric	109 Nos.	-
19.	Water Batch Electric USA	2 Nos.	-
20.	Light Floor Adjustable	3 Nos.	-
21.	Perimeter English Perimeter	11 Nos.	-
22.	Resuscitator	1 No.	-
23.	Electric Cardiography (ECG) Apparatus	2 Nos.	5 Nos.
24.	Trial Frame Set	1 No.	-
25.	Micro Hematocrit	1 No.	-
26.	Spectrophotometer	5 Nos.	-
27.	Ultraviolet Infra Red Light	1 No.	-
28.	Centrifuge (High Speed)	1 No.	-
29.	Water Bath Imported Electric	1 No.	-
30.	Water Bath Copper Electric	4 Nos.	-
31.	Irrigator	1 No.	-
32.	Ultra Violet Lamp	2 Nos.	-
33.	Amplifire	1 No.	-

No.	Description of Equipment	College	Hospital
34.	Microphone	1 No.	-
35.	pH-Millivolt Test Unit Cat EUA 20-12	1 No.	-
36.	Triple Beam Balance with Weight	1 No.	-
37.	Oscilloscope Cat - 10, 18 Wide Bank 5"+3"	2 Nos.	-
38.	Battery Eliminator	2 Nos.	-
39.	Molecular Models Set Automatic	7 Nos.	-
40.	Amply Fire Transformer Universal	1 No.	-
41.	Oven Momert Model TV	8 Nos.	-
42.	Electrometer	28 Nos.	-
43.	Over Head Projector Sreffin	6 Nos.	2 Nos.
44.	Aneriod Barrometer 85 mm Dial	1 No.	-
45.	Ammeter Panet Type 0-40 Amp-Ac/Dc	1 No.	-
46.	Micrometer 0-300	1 No.	-
47.	Duplicator Gestetner Model 420 with Stand	2 Nos.	-
48.	Kymograph and Stemulator CS SRI	99 Nos.	-
49.	Muffle Furnace	1 No.	-
50.	Generator Electric Honda Type	4 Nos.	-
51.	Camera Asahi Pentax and Mamiya	2 Nos.	-
52.	Episcope	10 Nos.	2 Nos.
53.	Dry Photo Copier	1 No.	-
54.	Film Splizer 16 MM Kodak	1 No.	-
55.	Film Sound Projector 16 MM	6 Nos.	-
56.	Pulse Recorder	2 Nos.	1 No.
57.	Micro Projector	3 Nos.	-
58.	Slide Projector 35 MM	8 Nos.	5 Nos.
59.	Camera Lucida German Made	2 Nos.	-
60.	Research Microscope German Made	1 No.	-
61.	Bipolar Electrodes	1 No.	-
62.	Enlarger 2B Size with Lens & Mosking	1 No.	-
63.	Flame Photometer KEL 100 English Made	2 Nos.	-
64.	Projector Ruller Iron for Over Head Projector	2 Nos.	-
65.	Film Screen 12'	1 No.	-
66.	Telephoto Lens 200 MM	1 No.	-
67.	Auto 3 Tele Courunt	1 No.	-
68.	Bellows Unit Microphotography Magnification	1 No.	-
69.	Gestetner Stencil Scanning Machine	1 No.	-

No.	Description of Equipment	College	Hospital
70.	Bell & Howelle Speaker for 16 MM Projector	1 No.	-
71.	Singer Radient Screen Size 52 x 70	1 No.	-
72.	Akai Tape Recorder	1 No!	-
73.	Kodak Clazing Machine	2 Nos.	-
74.	Amplifire National Electric & Battery	2 Nos.	-
75.	Microphone Japan	2 Nos.	-
76.	Battery Charger	1 No.	-
77.	Speaker 10" China with Box	1 No.	-
78.	Heartscope (Electronic) Stethoscope	1 No.	4 Nos.
79.	Multi Channel Electronic Model MS-500	-	4 Nos.
80.	Pulse Monitor	1 No.	1 No.
81.	Electronic Syphygomonometer	1 No.	1 No.
82.	Electronic Thermometer	1 No.	1 No.
83.	Bonn (Automatic) B.P	1 No.	-
84.	Bonn SP (Automatic) with Pulse Rate Indication	1 No.	1 No.
85.	Camera Mamiya RB 67 Professional Single Lens	1 No.	-
86.	Lab. Refractrometer	4 Nos.	-
87.	Infra Red Heater	4 Nos.	-
88.	Gas Analyzer	2 Nos.	-
89.	Section Apparatus	4 Nos.	-
90.	Lab. Shaker	1 No.	-
91.	Operating Microscope (Bar Microscope along with Camera)	1 No.	-
92.	Exercycle Imported	3 Nos.	-
93.	Cardiscope	-	1 No.
94.	Vica Test	1 No.	-
95.	Incubator	1 No.	-
96.	Water Distillator Apparatus	7 Nos.	-
97.	OX-208 & 207 Egg Incubator	2 Nos.	-
98.	Oven	1 No.	-
99.	Balance Technical without Weight	6 Nos.	-
100.	Pharmacy Balance without Weight	4 Nos.	-
101.	Autoclave Horezental and Matron 520	3 Nos.	-
102.	Still PV No. 101	1 No.	-
103.	Provision of Shappting & Pully Unit Kymograph	4 Nos.	-
104.	Student Microscope Monocular	39 Nos.	-

No.	Description of Equipment	College	Hospital
105.	Colour Processing Kit	1 No.	-
106.	Screen Projection, Size 125x125, 110x110, 155x115	3 Nos.	-
107.	Stethograph S. Quality	35 Nos.	-
108.	Douglass Bags Superior Quality	10 Nos.	-
109.	Vital Capacity Apparatus	9 Nos.	-
110.	Cabin 2000 & Slido Projector 35 MM	-	2 Nos.
111.	Kowa RC-2 Fundust Camera Complete	-	1 set.
112.	Colour VTR Camera with Zoom Lens	1 set.	-
113.	Colour VCTV Monitor	2 sets.	-
114.	Teaching Films, 16MM	110 Nos.	-
115.	Microtome with knife Fuji Japan, 230-11 Minot type Rotary Microtome Model 815, Erma Microtome Cat. No.08-200	5 Nos.	-
116.	Deionizer Mark 17 with Cartridge, Mark-8 Imported	2 Nos.	-
117.	Microscope for Hospital & Clinical Lab.	14 Nos.	1 No.
118.	Movi Camera 16 mm Pallard Bolox with Three Lenses	1 No.	-
119.	Stethoscope China	54 Nos.	-
120.	Weighing Machine German	4 Nos.	-
121.	Devèlop Photocopying Machine, Sharfax Plain Paper Model SF-770	2 Nos.	-
122.	Reneotronic Stencil Cutting Machine Model 800 S.	1 No.	-
123.	Reneo Duplicator Model 865	1 No.	-
124.	Embedding Section Mounting Appratus	1 No.	-
125.	Griffen Lab. Autoclave B.S.2646 & Portable	18 Nos.	4 Nos.
126.	Tissue Floatation Bath Cat No.6663	1 No.	-
127.	Sterilizer	3 Nos.	1 No.
128.	418/8163 C.F. Palmer Stimulus Isolation Unit	2 Nos.	-
129.	C.E. Palmer CE PTU Compreheansive Electro-physiological Teaching Unit 418/8136	32 Nos.	-
130.	C.S. Palmer Smoking Stands 413/1251	5 Nos.	-
131.	Piston Recorder 16 ml Capacity C.S. Palmer 413/3051	5 Nos.	-
132.	Isotonic Transducer 411/1326, Transducer Amplifire 418/8144 6 Nos. each	12 Nos.	-
133.	Single Channel Stimulator of Operation 200/250 V, Cat. No.418/8171/01 C.F. Palmer	2 Nos.	-

No.	Description of Equipment	College	Hospital
134.	C.F. Palmer Hampostead Operating Table No.415/5032	1 No.	- -
135.	C.P. Palmer Brodie Operating Table 415/5040/CI	1 No.	-
136.	C.F.P. Guinea Pig Table 415/5044/c1	2 Nos.	-
137.	Animal Ventilator 415/5255/c1	1 No.	-
138.	C.F.P. Tidalx Cumulative Spirometer 415/5274/01 with Accessories	2 Nos.	- -
139.	C.F.P. Student Spirometer 415/5405	4 Nos.	-
140.	Fukuda Denshi Phonoc ARD-iodraph Model DP-25 Complete with Accessories	-	1 No.
141.	Yoshida's Para Dental with Air Compressor F-18	-	1 Unit.
142.	Siemes Theracard D Complete with Accessories	-	1 No.
143.	Opthalmoscope	-	3 Nos.
144.	Bosch Top Loading Precision Electric Balance Mettler Precision 440,4000	4 Nos.	-
145.	Xerux-350 Microfilm Reader with Xerox-350 Microfich Attachment Service Kit including 2 Extra Projection Lamp	1 set.	-
146.	Sigmoidoscope	-	2 Nos.
147.	Cystoscope China	-	1 No.
148.	Weighing Machine Fitted with Height Measure	-	1 No.
149.	Boyle International Having Pin Index Yokes Comprising N.F./Med-20 Complete with Accessories	-	2 Nos.
150.	Streak Retinoscope	-	1 No.
151.	Baby Indubator P.V. No.416	-	3 Nos.
152.	Portable Inhaler P.V. No. B-434	-	3 Nos.
153.	Automatic Folding Screen Size 72"x53", 72"x96"x72"	2 Nos.	1 No.
154.	Video Tape Recorder Akai VT-110 Complete	1 No.	-
155.	Still Galss	8 Nos.	-
156.	Dental Motor Chair	-	1 No.
157.	Aeromat-T Air Turbine Unit	-	1 No.
158.	Audometer Double	-	1 No.
159.	Coutery Unit	-	5 Nos.
160.	Aneasthesin Apparatus	-	1 No.
161.	Andrometer	-	1 No.
162.	Ultrasooni Type 300	-	1 No.

No.	Description of Equipment	College	Hospital
163.	Oxygen Tent	-	1 No.
164.	Extramalis Bath	2 Nos.	-
165.	Arm Hydro Massage & Leg Hydro Massage	2 Nos.	-
166.	Arcuter Bath Grate	1 No.	-
167.	Heart and Head Cooler	1 No.	-
168.	Thermostate Incubator	5 Nos.	-
169.	Lead Apprim	-	4 Nos.
170.	Applanation Tonometer Electric Clement Clark UK.	-	1 No.
171.	Self Recording Perimeter with 100 Charts English	-	1 No.
172.	Aika's Continuous Operation Section Unit Model S-5	-	1 No.
173.	Aika Suction Unit Delux Model Japan	-	1 No.
174.	Toitus Japan Cervilator	-	1 No.
175.	Toitus Japan Fetal Heart Heat Delecto Doppler	-	1 No.
176.	Toitus Japan Suction Unit Model S	-	1 No.
177.	Toitus Japan Kymograph Model M-10	-	1 No.
178.	Lucky Cassette Projection Model 2500-5000	2 Nos.	-
179.	T.V. Microscope Tajiri Complete	1 No.	-
180.	Drager Tiberious Aneasthetic Appratus	-	1 No.
181.	Cryoton (Optikon) Unit for Cryo Surgery	-	1 No.
182.	Map-102/Med/19 Boc Manleg Pulmovement Model MPT	-	1 No.
183.	Map-79/Med/19 Vaculizer Suction Pump Theatre	-	1 No.
184.	Map-4/Med-20 Spatuler Machkintosh Laragorcope with Adult and Child Blades	-	1 No.
185.	Coulter Counter ZF System for RAC. WBC. MCY. HCT. HCB	1 set.	-
186.	Ultra Violet Lamp PV-No. H-64	1 No.	-
187.	Memmert Universal Oven Sterilizer Model TV 30V	1 No.	-
188.	Memmert Universal Oven Sterilizer Model TV 40V	1 No.	-
189.	Cral Zeis Research Microscope Cat No.472588	1 No.	-
190.	Microwave Diathermy Apparatus Model MT-250	-	1 No.
191.	Erma Japan Photoelectric Colorimeter .A.B	1 No.	-
192.	High Frequency Cautory Set	-	1 No.
193.	Aikas Portable Suction Unit	-	1 No.
194.	Water Bath with Thermostate 12 racks	3 Nos.	-
195.	CT-700 Lovibond 1000 Complete G.K. English	1 No.	-

No.	Description of Equipment	College	Hospital
196.	123-602 pH Meter Digital Beckman & Markson	3 Nos.	-
197.	SAB-2807 Basic Outfit for Thirlayer Chromatography (Shanden)	1 No.	-
198.	Water Still 3 Liter Capacity	1 No.	-
199.	Viberamix Pipettes Shaker	2 Nos.	-
200.	Spin Mark with Hot Plate	1 No.	-
201.	Projection Attachment Inclusive of Dynoscope	3 sets.	-
202.	Erma Blood Cell Counter Model ACM 20 Cat No. K-2700	1 No.	-
203.	Spetroscope Hand Type Direct Vision Gallenkamp	60 Nos.	-
204.	Animal Balance Salter	2 Nos.	-
205.	Student Polarimeter USSR	2 Nos.	-
206.	Ultra Rac Fraction Collector for 220 Volts 50 Cycle Consisting of Main Unit and Control Unit complete with Accessories	1 set.	-
207.	PSH-300-A Polarimeter Griffin Half Shadow with one 200 ml Solution Tube O.K. English with spares Accessories	1 No.	-
208.	VB-104 Vacuum Pump Edwards FS 50,220	1 No.	-
209.	FH-500 Flame analyzer GK Complete	2 Nos.	-
210.	Perfusion Apparatus Cat No.5035 Sri England	2 Nos.	-
211.	Ventilator for Small Animals	2 Nos.	-
212.	Universal Organ Bath Assembly	2 Nos.	-
213.	Slow Infusion Apparatus	2 Nos.	-
214.	Stimulator Square Wave Constant Voltage and 0-10 & 0-100	1 No.	-
215.	Spirometer 9 litres Capacity Multipurpose Type	1 No.	-
216.	Plethysmograph Water Filled Fareasm Type	1 No.	-
217.	Finger Plethysmograph SRI Cat No.5174	1 No.	-
218.	Solid State Mixer Amplifire Microphone, Sound System Complete	10 sets.	1 set.
219.	Semi Automatic Autoclave	1 No.	-
220.	New Promar Projection Microscope Leitz Germany	1 No.	-
221.	R-112 Microzone Scanning Densitometer Model	1 No.	-
222.	Machine for Distilling Water Table Type Complete	1 No.	-
223.	Lab. Microscope Zenith II Beck Kassol Made in Japan	60 Nos.	-

No.	Description of Equipment	College	Hospital
224.	Automatic Tissue Processor Model RH-12 Ears per At	3 sets.	-
225.	Hydraulic Operating Table for Surgical Unit KTR	-	6 Nos.
226.	Dry Gas Meter	3 Nos.	-
227.	Piber Gastroscope	-	1 set.
228.	RH-150 Endoscope	-	1 No.
229.	Fiber Optic Ryall's Lathotriptoscope	1 No.	-
230.	Fibroroptic Mecarthy's Resectoscope	1 set.	-
231.	Formalin Gas Sterilizer	1 No.	-
232.	Minto Microwave Diathermy	-	1 No.
233.	Minto Electric Traction Apparatus	-	1 No.
234.	Operating Table (USSR)	-	1 No.
235.	Silent Film Projector Bauer T 82 Suitable for 8 mm	1 No.	-
236.	Multi Channel Electronic Stathoscope	-	4 sets.
237.	Fukuda Channel Direct Writing Electrocardio Graph	-	1 set.
238.	Dental X-ray Unit Mobile Stand Type Model X-5 Panpase-E	-	1 No.
239.	Adematic Control System Airturbing Complete	-	1 No.
240.	Cat No. AG-130-01 M, Menglimi Renal Riopsy with Stillelli Cat No. AG-130-07A ditto But 100 M Long outside Diameter Cat No. AG-130-12S ditto 120 mm long x 1.9 mm outside Diameter English 2 Nos. each	-	6 Nos.
241.	Eye Equipment under German Loan Vide Contract No. AID/36206/GL 153744 dt. 19.6.79 Cost Rs 1,04,775/-	-	1 set.
242.	Ultra Violet Lamp	6 Nos.	1 No.
243.	Trailer Mounted Sterilizer & Distilation Apparatus	1 No.	-
244.	Incubator Accommodat Approximate Gallen	5 Nos.	-
245.	Pantoscope Complete	-	1 No.
246.	Treatment Unit for Doctors Round with Accessories	2 sets.	-
247.	Ploni Meter Model 7050 PH/MV Complete	1 set.	-
248.	Electrophoresis (Shenden) Vovan with Accessories	2 sets.	-
249.	28A 2A Cassette A.V. Matric Film Projector with Accessories	5 Nos.	-

No.	Description of Equipment	College	Hospital
250.	Rotary Clasing Machine with other Photography Material	1 set.	-
251.	Electro Surgical Unit combined with Fiberoptic Light Source	1 set.	-
252.	Colorimeter Cont	1 No.	-
253.	Combi Analyzer RT. 33	1 set.	-
254.	Electronic Computer for the Determination of Acid Base Status Type R 4 with Accessories	1 No.	-
255.	Atomiser	-	1 No.
256.	Lectoscope	-	1 No.
257.	Silver Brand Model TX 110 Cassette Recorder	17 Nos.	3 Nos.
258.	V.C.R. Model 3330 RG JVC complete with Accessories	2 Nos.	-
259.	6520-B, Recorder with Instion with Accessories	1 No.	-
260.	Lucky Class Room Type Automatic Folding Projection Screen Size 70x70"	4 Nos.	3 Nos.
261.	Autoclave Herayano	1 No.	-
262.	MT 355-PF-Photo Slit Lamp Microscope	1 No.	1 No.
263.	Water Still 4 litre	2 Nos.	-
264.	Ectonus MK 4 E.C.T. Ectomustim MK 4 E.C.T. Duopulse MK 4 E.C.T. & Ectron MK 4 E.C.T. with Spare Accessories	2 Nos.	2 Nos.
265.	Microphotographic with Accessories	1 No.	-
266.	Leitz Sialux 20 EB Microscope Complete	1 No.	-
267.	Hot Air Sterilizer	1 No.	-
268.	Vacuum Oven 1000 ml, Double Hot Plate	1 No.	-
269.	Air Turbine Handpiece No.626	-	1 No.
270.	Dual Channel Coagulometer Saitron 333	1 No.	-
271.	Digital Bilirubinomenter Model BM II	1 No.	-
272.	Paraffin Oven with Double Door Stand	1 No.	-
273.	Automatic Microtome Knife Sharpner Model No. MW 72	1 No.	-
274.	Slide Warm Water Bath Tissue Floating Model Ps M Sakur	1 No.	-
275.	Universal Suction Pump Tube EUS	-	1 No.
276.	Satascope Operating Microscope Floor Stand Type	-	-
277.	Airo VP 2000 Barometric Ventilator	-	1 No.
278.	Shaker (for Tissue Fixation Model VSJ 10B Japan)	1 No.	-

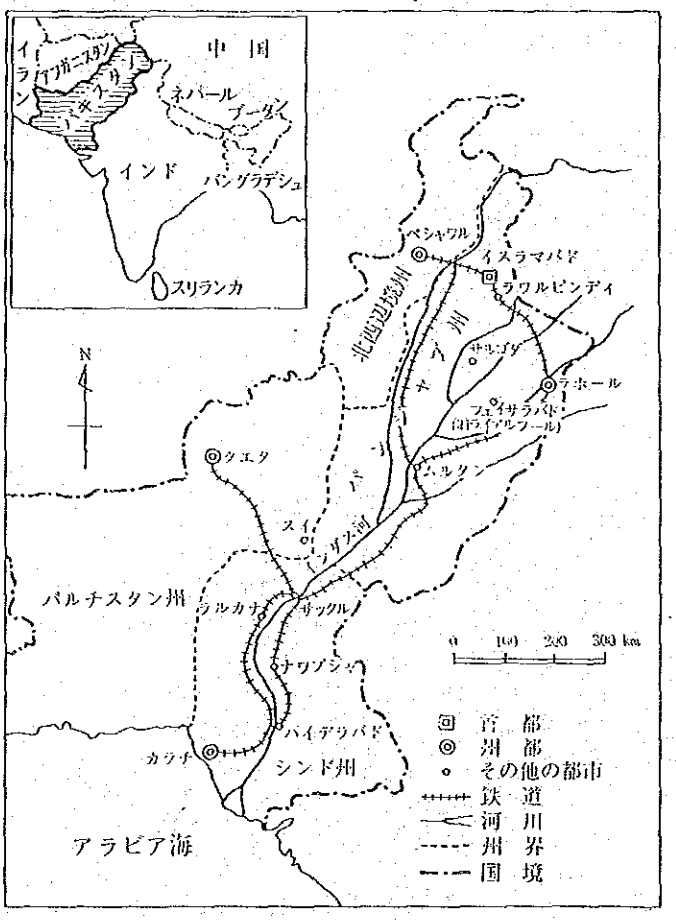
No.	Description of Equipment	College	Hospital
279.	Automatic Staining Machine Model RSH 50	2 Nos.	-
280.	Electromedical Diagnostic Apparatus.	1 No.	-
281.	Lancetron Type G-500 Apparatus for Electro-surgery Operating	-	1 No.
282.	Surgical Suction Device Mobile Unit	-	5 Nos.
283.	Universal Operating Table	-	2 Nos.
284.	Cermical Ultra Lamp Type VS-320	4 Nos.	-
285.	Contract No. AID/34195 Piston Compressor with Tank Dental Unit complete all Accessories and Instruments	-	1 set.
286.	Contract No. AID/34292/GL/53790 dt. 19.12.83 Breast Pump, Infant Warmer, Hebulizer (OX-120), Infant Weight Scale, Baby Stethoscope, Larygoscope, Phototherpy Unit, Resusctation Bag, Secretion Suction Unit & Tracheal Catheter (CM-60)	-	1 set.
287.	Clotronic Elvi-535	1 No.	-
288.	Photoattachment with Camera for use with Operation Microscope with Accessories	1 No.	-
289.	Carl Zeiss OPMI 6 S Operation Microscope with Accessories	1 No.	-
290.	80 Channel UHF Pocket Paging System with Accessories	1 No.	-
291.	Echocardiograph Apparatus Model No. M-101 Complete	1 No.	-
292.	Telemetry System Portable Bedside Monitor Model. 6211	-	1 No.
293.	Magsetic Stirrer	2 No.	-
294.	Larrngoscope	-	1 No.
295.	Rotary BVA Porater	1 No.	-
296.	Malacard 400 & Malacard Defi Control	2 Nos.	-
297.	Omni Operating Table	-	1 No.
298.	Universal Double Spirometer	1 No.	-
299.	Autospiro Analyzer Model ASC-1000	-	1 No.
300.	Vacuum Rotar Automatic Tissue Processor	1 No.	-
301.	Freezing Microtomo	1 No.	-
302.	Operation Microscope Complete with T.V. VCR Cassette	1 set.	-
303.	Bed Side Monitor	-	2 Nos.
304.	Suction Pump	3 Nos.	4 Nos.

No.	Description of Equipment	College	Hospital
305.	Otorhinolaryng Ology Opmi 6 S Operating Microscope with Photo Attachment (Zeiss)	1 set.	-
306.	140-10-201 Neocare Air Controlled Incubator with Standard Accessories	-	1 No.
307.	060-10-00 Resuscitaire Model 60 with Accessories	-	1 No.
308.	Refrigerated Centrifuge	2 Nos.	-
309.	Vickers Dualchennel analyser D-300	1 set.	-
310.	Vice Contract No. 36763/TCBSUKAB/57034 Phtertak Multisken.with Accessories	1 No.	-
311.	Titertek Multi Wash, with Accessories	1 No.	-
312.	Titertek Autodrop, with Accessories	1 No.	-
313.	Bioflow (Laminar Air Flow) with Accessories	1 No.	-
314.	Caral Zfiss Microscope Standard with Micro Projectionist Equipment	2 set.	-
315.	Carl Zeiss Microscope Standard 18 with coarse and fine focusing rack and pinion condenser carrier, limb top with devetail	1 set.	-
316.	Photomicroscope	1 No.	-
317.	Chromatography Apparatus AID/37900/TCP-Sukab/ 58938 dt. 24.3.82. complete	1 set.	-
318.	Non-electric Delux Multi Tip Cryo-Surgical System to Operate On N20 Or CO2 Model MT-600	-	1 set.
319.	Photo Colposcope CL-11 with all Accessories	-	1 set.
320.	Air Conditioner 5 Tons and 10 Tons	4 Nos.	-
321.	Tissue Floating Bath	1 No.	-
322.	Odam's Portable Defibrillator for Cardiao Monitoring	-	1 No.
323.	Narcotrace-80 Data Acquisition System 6 Channel, Physiograph as per AT	1 set.	-
324.	Olympus Microscope Model BHS-312 Complte per A.T	2 Nos.	-
325.	Dianonics CV-3400 R Phased Array Ultra SONOGRAPH Apparatus by Sonotron U.K. as per A.T. vide Cont. No. K/39143/FEX/61571	1 set.	-
326.	Digital Exposure/Exposure rate meter Model UK 92 suitable for clinical use in radiotherapy as per A.T. No. K/38920/F-EX/61908	1 set.	-
327.	Mortuary Refrigerator Type LKZ A2 STANDARD Model as per A.T. Cont: No.K/39485/FEX/61305 dt.17.1.83	6 Nos.	-
328.	Fukuda M.E.4-Channel ECO Telemetery System Complete	3 set.	-

日本メーカーのパキスタン代理店と取扱機器

代理店	取　扱　機　器	取扱業社数
A社	放射線装置，超音波装置，ME機器，手術機器，産科機器，物理療法機器，呼吸器系機器	7社
B社	ENT機器，内視鏡，滅菌器，放射線装置，臨床検査機器，歯科機器	6社
C社	手術機器，無影灯，ME機器	3社
D社	歯科機材，内視鏡，遠心器，ME機器，臨床検査機器，医療機器一般	7社
E社	厨房機器，病室機器，光学機器，歯科機器，リハビリ機器，手術機器，産婦人科機器，内視鏡，無影灯	9社
F社	ME機器，リハビリ機器	2社
G社	光学機器，ENT機器，眼科機器，滅菌器，医科機器一般	7社
H社	手術機器，ME機器，歯科機器	3社
その他		数　社

パキスタン国鉄道幹線



3. 収集資料リスト

収 集 資 料 リ ス ト

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