

**MINIMUM REQUIREMENTS/CRITERIA FOR AN INSTITUTION
CONDUCTING PHARMACY TECHNICIAN PROGRAM**

(Approximately for 50 students in one shift)

FACULTY REQUIREMENTS

All the academic staff will hold basic degree in Pharmacy except for the teachers for the subjects of Pathology, Physiology/Histology, Anatomy, Computer Science. In these subjects the teachers may be employed as visiting faculty.

The Principal shall hold a basic degree in Pharmacy with 5 years teaching experience.

The Regular teaching faculty will be as under:

- Principal 5 year experience
- Lecturers Pharmacy Graduate

1. BASIC REQUIREMENTS

- 2 lecture rooms
- 1 seminar room
- 1 library cum Reading room with Photocopier
- 1 committee room
- Teacher Students ratio 1:15

2. LECTURE THEATERS:

- Number of lecture rooms: 02
- Capacity: 50 Students
- Dimension: 500-600 sq. ft.

3. LABORATORIES

i. PHARMACEUTICS LABORATORY:

- Number of laboratories: 01
- Capacity: 50 Students
- Dimension: 500-600 sq. ft. each

SUBJECTS REQUIRING SUCH FACILITY

- Pharmaceutics
- Dispensing & Community Pharmacy
- Industrial & Quality Control

ii. PHARMACOGNOSY LABORATORY:

- Number of laboratories: 01
- Capacity: 50 Students
- Dimension: 500-600 sq. ft.

SUBJECTS REQUIRING SUCH FACILITY: Pharmacognosy.

iii. BASIC MEDICAL SCIENCES LABORATORY:

- Number of laboratories: 01
- Capacity: 50 Students
- Dimension: 500-600 sq. ft.

SUBJECTS REQUIRING SUCH FACILITY

- Physiology
- Pharmacology
- Anatomy

iv. PHARMACEUTICAL CHEMISTRY AND MICROBIOLOGY LABORATORY:

- Number of laboratories: 01
- Capacity: 50 Students
- Dimension: 500-600 sq. ft.

SUBJECTS REQUIRING SUCH FACILITY

- Biochemistry
- Microbiology

v. COMPUTER LABORATORY:

- Number of laboratories: 01
- Capacity: 50 Students
- Dimension: 500-600 sq. ft.

SUBJECTS REQUIRING SUCH FACILITY

- Computer

LABORATORIES AND EQUIPMENT

1. Pharmaceutics (approx for 50 students)		
1	Digital balance	4
2	Analytical Weight Balance	1
3	Sieves of different numbers with pan	5
4	Single Punch Compression Machine	1
5	Hardness tester	1
6	pH meter	1
7	Friabilator	1
8	Disintegration apparatus	1
9	Magnetic stirrer	1
10	Mixer (lab scale)	1
11	Vernier caliper	5
12	Screw gauge	5
13	Oven	1
14	Small size Mixer	1
15	Pycno Meter etc.	10
16	Melting point Apparatus Analogue	2
17	Sufficient Glassware of all kinds and sizes	

2. Pharmacology/ Physiology and Anatomy Laboratory (approx for 50 students)		
1	Digital balance	4
2	Binocular Double Lenses Microscopes	5
3	E.S.R Pipettes with stand	10
4	Glass Test Tubes	200
5	Test Tub stands	20
6	Neubar Chamber	5
7	RBC Pipette	20
8	WBC Pipette	20
9	Sphygmomanometer	5
10	Stethoscope	5
11	Sahli's haemometer	10
12	Antiserum A B & D	10 Complete sets
13	Histology Slides	All Basic
14	Weight Machine	1
15	Snellen's Chart (Eye)	5
16	Human skeleton	2
17	Stop watch	10
18	Glucometer	4
19	Male and Female Torso Different Body Organs like Kidney, Ear and Heart	1
20	Sufficient Glassware of all kinds and sizes and chemicals	

3. Microbiology & Pharmaceutical Chemistry Laboratory (approx for 50 students)		
1	Autoclave	1
2	Binocular Double Lenses Microscopes	5
3	Refrigerator	1
4	Burners	10
5	Wire loops	15
6	Digital balance	5
7	Incubator	1
8	Test tube stands	15
9	Different solutions and reagents (sufficient)	
10	Fume Hood	1
11	Sufficient Glassware of all kinds and sizes and chemicals	

4. Pharmacognosy Laboratory (approx for 50 students)		
1	Binocular Double Lenses Microscopes	5
2	Soxhelt apparatus with heating mantle 500ml	2
3	Chromatographic jar	10
4	Crude drugs	According to syllabus, in sufficient quantity
5	Separating Funnels	5
6	Sufficient Glassware of all kinds and sizes and chemicals	

5. Computer Laboratory (approx for 50 students)	
•	Minimum of 15 Computers, core-series with access to printers and scanner)
•	Minimum of 4-8 MB access rate shall be provided

6. Library: 400-500 sq. ft. (approx for 50 students)			
Subject-wise books requirement:			
Subject	Copies	Subject	Copies
Biochemistry	10	Pharmacognosy	10
Dictionary	10	Physical Pharmacy	10
Drug Law	10	Quality Control	10
Hospital Pharmacy	10		
Microbiology	10		
Pharmaceutics	10		
Pharmacology	10		
Physiology	10		
Anatomy	10		
Dispensing	10		
Industrial pharmacy	10		
Text books (formulated by the Punjab Pharmacy Council)			20
Daily Newspapers: at least one Urdu and one English			

Students and teacher ratio

1:15