

**PHARMACY COUNCIL OF INDIA**

**Standard Inspection Form(SIF-BP) for obtaining prior permission of  
Pharmacy Council of India for conducting the Bachelor of Pharmacy (Practice) course.**

**(To be filled and submitted to PCI by an organization seeking approval of the  
course / continuation of the approval)**

**(SIF-BP)***To be filled up by P.C.I.**To be filled up by inspectors***Inspection No. :****Date of Inspection:****FILE No. :**

**NAME OF THE INSPECTORS: 1.  
(IN BLOCK LETTERS)**

**2.**

<b>1. Name of the Course Conducting Authority</b>	Chitkara College of Pharmacy
<b>2. Complete Postal Address of the Course Conducting Authority</b>	Chitkara University, Chandigarh-Patiala National Highway, Tehsil- Rajpura, Distt. Patiala ,Punjab-140401 Phone Number:01762507084 Fax Number: 01762507085 <a href="mailto:director@chitkara.edu.in">director@chitkara.edu.in</a>
<b>3. Year of establishment of the Institution</b>	2005
<b>4. Approval status of the Institution for conducting Bachelor of Pharmacy (B.Pharm) Course: (Copy of the latest approval to be enclosed)</b>	(Annexure Attached) B. Pharmacy: 32-481/2014-PCI 10/09/2014 for 100 seats Pharm D: 50-481/2014-PCI/28844-46 16/07/2014 for 30 seats
<b>5. No objection / consent of affiliation from Examining Authority (i.e, University) for starting the course: (Copy of the letter to be enclosed)</b>	Attached (Annexure Attached)
<b>6. Deficiencies as pointed out in the latest Inspection Report: (Use separate sheet)</b>	NA
<b>7. Proposed date of commencement of the course:</b>	July 2016
<b>8. Proposed intake capacity :40</b>	40
<b>9. Proposed Time schedule for conducting the course</b>	Attached (Annexure Attached)

**10. Details of teaching staff in the specified subject in the following format:**

Name of the Department	Name of the Teachers	Working experience in the Institution	Qualification	Experience	Existing Teaching Load	Any Experience in Hospital/Community/Clinical Research/Practice	Remarks of Inspectors
Pharmaceutics	Dr. Inderbir Singh	8 Years	Ph.D, M. Pharm	14 years	12	No	
Pharmaceutics	Mr. Parmjot Singh	1 month	M. Pharm	1 Years	14	No	
Pharmaceutics	Ms. Sonia Dhiman	7 years	M. Pharm	7 Years	14	No	
Pharmacology	Dr. Thakur Gurjeet Singh	7.6 Years	Ph.D, M. Pharm	10 years	14	Yes	
Pharmacology	Mr. Avanessh Kumar	1 Year	M. Pharm	1 years	12	yes	
Pharmacy Practice	Mr. Ravinder Jora	2 Year	M. Pharm	8.5 Years	6	Yes	
Pharmacy Practice	Dr. Madhaw Devidei	1 Year	Pharm D	3 years	12	Yes	
Pharmaceutical Chemistry	Mr. Balkar Singh	2.5 Year	M. Pharm	2.5 Years	16	yes	
Pharmaceutical Analysis	Dr. Malkeet Singh	1 Month	M. Pharm	1 Month	12	Yes	

**11. Declaration of the teachers for teaching the additional Course:  
(Declarations from teachers to be enclosed): Annexure Attached**

**12. Whether visiting/part-time teachers is appointed:  
(If yes, furnish the details in the following proforma)**

**13. Enclose the acceptance from the visiting teachers as identified: Attached**

**14. Whether the Institution/Trust is running a Model Community Pharmacy: Yes**

**15. If not, is there any planning to start the same in near future?**

**Signature of the Head of the Institution**

**Signature of the Inspectors**

**Minimum requirement for obtaining the approval of Pharmacy Council of India for conducting the Bachelor of Pharmacy (Practice) Course**

**PART I - PRINCIPAL**

Qualification/ Experience	Qualification	Teaching Experience	Available	Remarks of Inspectors
	M. Pharm	15 years, out of which 5 years as Prof. /HOD	23 Years	
	Ph.D	10 years, out of which at least 05 years as Asst. Prof		

**PART II PHYSICAL INFRASTRUCTURE**

1. Availability of Land (details)

a. Building : **Own**

b. Total built up area of the college building in Sq.mts : **5265**

c. Amenities and Circulation Area:

6800
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2. Class rooms:

Total number of class rooms provided for D. Pharm and B. Pharm/Bachelor of Pharmacy (Practice) course

Class	Required	Available numbers	Required Area * for each Class	Available	Remarks of Inspectors
D. Pharm	02		90 Sq. mts each		
B. Pharm	04	06	90 Sq. mts each (Desirable) 75 Sq. mts each (Essential)	240	
Bachelor of Pharmacy (Practice)	01	01	40 Sq. mts each	40	

(\* To accommodate 60 students)

3. Laboratory requirement for both D. Pharm and B. Pharm and Bachelor of Pharmacy (Practice) course.

Sl. No.	Infrastructure for	Requirement as per Norms	Available		Remarks of the
			Number	Area in Sq. mts.	
1	Laboratory Area for B. Pharm Course (10 Labs) Laboratory area for D. Pharm Course (03 Labs)	90 Sq. mts x n (n=10) - Including Preparation room - Desirable 75 Sq. mts - Essential	13	1300	
2	Pharmaceutics Pharmaceutical Chemistry Pharmaceutical Analysis Pharmacology Pharmacognosy	03 Laboratories 03 Laboratories 01 Laboratory 03 Laboratories 02 Laboratories	3 3 1 3 2	270 270 90 270 180	

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Sl. No.	Infrastructure for	Requirement as per Norms	Available		Remarks of the Inspectors
			Number	Area in Sq. mts.	
	Pharmaceutical Biotechnology (Including Aseptic Room) Total No. Laboratories for B.Pharm and D.Pharm Course	01 Laboratory  13 Laboratories *	1  13	90  1300	
3	Preparation Room for each lab (One room can be shared by two labs, if it is in between two labs)	10 sq mts (Minimum)	13	130	
4	Area of the Machine Room	80-100 Sq.mts	01	120	
5	Central Instrument Room	80 Sq.mts with A/ C	01	80	
6	Store Room – I	1 (Area 100 Sq mts)	01	106	
7	Store Room – II (For Inflammable chemicals)	1 (Area 20 Sq mts)	01	20	

\*For D. Pharm and B. Pharm both.

1. All the Laboratories should be well lit & ventilated.
2. All Laboratories should be provided with basic amenities and services like exhaust fans and fuming chamber to reduce the pollution wherever necessary.
3. The workbenches should be smooth and easily cleanable preferably made of non-absorbent material.
4. The water taps should be non-leaking and directly installed on sinks. Drainage should be efficient.
5. Balance room should be attached to the concerned laboratories.

#### 4. Administration Area:

Sl. No.	Name of infrastructure	Requirement as per Norms in number	Requirement as per Norms in area	Available		Remarks of the Inspectors
				Number	Area in Sq. mts.	
1	Principal's Chamber	01	30 Sq .mts	01	30	
2	Office – I – Establishment	01	60 Sq. mts	01	60	
3	Office – II – Academics				60	
4	Confidential Room				60	

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### 5. Staff Facilities:

Sl. No.	Name of infrastructure	Requirement as per Norms in number	Requirement as per Norms in area	Available		Remarks of the Inspecto rs
				Number	Area in Sq. mts.	
1	HODs rooms for B. Pharm Course	Minimum 4	20 Sq mts x 4	04	80	
2	Faculty Rooms for D. Pharm & B. Pharm course		10 Sq mts × n (n=No. of Teachers)	12	300	
3	Faculty Rooms for Bachelor of Pharmacy (Practice) course		10 Sq mts × n (n=No. of	4	80	

### 6. Museum, Library, Animal House and other Facilities:

Sl. No.	Name of infrastructure	Requirement as per Norms in number	Requirement as per Norms in area	Available		Remarks of the Inspecto rs
				Number	Area in Sq. mts.	
1	Animal experimentation	01		1	100	
2	Library	01	150 Sq. mts	1	175	
3	Museum	01	50 Sq. mts (May be attached to the Pharmacognosy lab)	1	50	
4	Model Pharmacy  Essential: Running Model Community Pharmacy  Desirable Drug Model Store	01	80 Sq.mts (including 10 Sq.mt for Drug Information Centre & 10 Sq.mt. for Patient Counselling)	01	80	
5	Auditorium / Multi Purpose Hall (Desirable)	01	250 – 300 Seating capacity	01	1000	
6	Herbal Garden (Desirable)	01	Adequate number of medicinal Plants	01	100	

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**7. Student Facilities:**

Sl. No.	Name of infrastructure	Requirement as per Norms in number	Requirement as per Norms in area	Available		Remarks of the Inspectors
				Number	Area in Sq.mts.	
1	Girl's Common Room (Essential)	01	60 Sqmts	01	60	
2	Boy's Common Room (Essential)	01	60 Sq.mts	01	60	
3	Toilet Blocks for Boys	01	24 Sq.mts	03	80	
4	Toilet Blocks for Girls	01	24 Sq.mts	02	76	
5	Drinking Water facility – Water cooler (Essential).	01	-	01	12	
6	Boy's Hostel (Desirable)	01	9 Sq mts/ Room Single occupancy	1	4185	
7	Girl's Hostel (Desirable)	01	9 Sq mts / Room (single occupancy) 20 Sq mts / Room (triple occupancy)	01	3369	
8	Power Backup Provision (Desirable)	01		1	1	

**8. Computer and other Facilities:**

Name	Required	Available	Remarks of Inspectors
Computer Room for B. Pharm Course	01 system for every 2 students (with internet and Printer facilities)	150 (sq mt)/ 50 Computers	
Computer For Model Pharmacy	As required for teaching and practice purposes and for drug information services	3	
Computer (Latest configuration)	1 system for 10 students	45	
Printers	1 printer for every 10	8	
Multi Media Projector	01	1	
Generator (5KVA)	01	1	

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### 9. Library books and periodicals

The minimum norms for the initial stock of books, yearly addition of the books and the number of journals to be subscribed are as given below:

Item	Titles (No)	Minimum Volumes (No)	Available		Remarks of Inspectors
			Titles	No.	
Number of books	150	1500 adequate coverage of a large number of standard text books and titles in all disciplines of pharmacy	1043	7809	
Annual addition of books		150 books per year	25	160	
Periodicals Hard copies / online		10 National 05 International periodicals	36	72	
CDS		Adequate Nos	11	117	
Internet Browsing Facility		Yes/No (Minimum ten Computers)	yes		
Reprographic Facilities: Photo Copier Fax Scanner		01 01 01	Available		

### 10. A. Subject wise Classification:

Sl. No	Subject			Remarks of Inspectors
		Titles	Numbers	
1	Pharmaceutics	38	248	
2	Pharmaceutical Chemistry	71	874	
3	Pharmacognosy	38	242	
4	Biochemistry and Clinical Pathology	34	622	
5	Human Anatomy and Physiology	37	514	
6	Health Education and Community Pharmacy	35	312	
7	Pharmacy Practice	36	218	
8	Pharmacology and Toxicology	38	400	
9	Pharmaceutical Jurisprudence	37	108	
10	Drug Store and Business Management	8	60	
11	Hospital and Clinical Pharmacy	69	533	
12	Social Pharmacy	5	60	
13	Pathophysiology & Microbiology	68	867	

### 10. B. Library Staff:

	Staff	Qualification	Required	Available	Remarks of Inspectors
1	Librarian	M. Lib	1	1	
2	Assistant Librarian	D. Lib	1	1	
3	Library Attenders	10 +2 / PUC	2	2	

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**PART III ACADEMIC REQUIREMENTS****A. Faculty requirements:****1. Student Staff Ratio:**

(Required ratio --- Theory → 40:1 and Assignment → 10:1.

**2. Minimum No. of working days for B. PHARM PRACTICE:**

180

**3. Staff Pattern for B. Pharm & B. Phram (Practice) courses department wise:**

Professor: Asst. Professor : Lecturer

Department / Division	Name of the post	For strength of 60 students of B. Pharm & 40 students of B. Pharm (Practice)	Available	Remarks of Inspectors
Department of Pharmaceutics	Professor/ Asso Prof	1	01/02	
	Asst. Professor	1	5	
	Lecturer	4		
Department of Pharmaceutical Chemistry (including Pharmaceutical Analysis)	Professor	1	01	
	Asst. Professor	1	08	
	Lecturer	4		
Department of Pharmacology	Professor/Asso Prof	1	01/02	
	Asst. Professor	1	03	
	Lecturer	5		
Department of Pharmacognosy	Professor/Asso Prof	1	01/01	
	Asst. Professor	1	03	
	Lecturer	2		
Department of Pharmacy Practice	Professor	1		
	Asst.professor	2	02	
	lecturer	2		

**4. Teaching Staff required year wise exclusively for B. Pharm (Practice) for intake of 40 Students.**

	Staff required for I B. Pharm Practice	Staff required for II B. Pharm Practice	Available		Remarks of Inspectors
			Ist Year	IInd Year	
Principal	1	1	01	01	
Pharmacology	1	1	01	01	
Pharmaceutics	1	1	01	01	
Pharmacy Practice	2	2	02	02	
Part time teaching Staff For pathophysiology and Pharmacotherapeutics	As required	As required	02	02	

At least 2 teachers shall possess M. Pharm (Pharmacy Practice) or Pharm D. Qualification.

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**5. Number of non-teaching staff available for D. Pharm and B. Pharm course for intake of 60 students:**

Sl. No.	Designation	Required Number	Required Qualification	Available		Remarks of the Inspectors
				Number	Qualification	
1	Laboratory Technician	1 for each Dept	D. Pharm	10	Diploma In Pharmacy	
2	Laboratory Assistants/ Attenders	1 for each Lab (minimum)	SSLC	8	Matric	
3	Office Superintendent	1	Degree	1	MBA	
4	Accountant	1	Degree	1	B com	
5	Store keeper	1	D. Pharm/ Degree	1	D. Pharm	
6	Computer Data Operator	1	BCA / Graduate with Computer Course	1	BA, Certified Diploma	
7	First Division Assistant	1	Degree	1	M Lib	
8	Second Division Assistant	2	Degree	2	B Lib	
9	Peon	2	SSLC	3	Matric	
10	Cleaning personnel	Adequate	---	4	8 <sup>th</sup>	
11	Gardener	Adequate	---	1	Matric	

**B. DOCUMENTATION**

**Records to be maintained: Essential**

Sl. No	Records	Available	Remarks of Inspectors
1	Admissions Registers	Yes	
2.	Individual Service Register	yes	
3.	Staff Attendance Registers	yes	
4.	Sessional Marks Register	yes	
5.	Final Marks Register	yes	
6.	Student Attendance Registers	yes	
7.	Minutes of meetings- Teaching Staff	yes	
8.	Fee paid Registers	yes	
9.	Acquittance Registers	yes	
10.	Accession Register for books and Journals in Library	yes	
11.	Log book for chemicals and Equipment costing more than Rupees one lakh	yes	
12.	Job Cards for laboratories	yes	
13.	Standard Operating Procedures (SOP's) for Equipment	yes	
14.	Laboratory Manuals	yes	
15.	Stock Register for Equipment	yes	
16.	Animal House Records as per CPCSEA	yes	
17.	Record of submission of Assignments by students	yes	
18.	Record of Case presentation/Seminars conducted	yes	

**PART IV – EQUIPMENT AND APPARATUS**

The institution shall comply fully by having all equipments as prescribed for B. Pharm course.

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Signature of the Inspectors

**Department of Pharmacology****Equipments:**

Sl. No.	Name	Minimum required Nos.	Available Nos.	Working	Remarks of the Inspectors
1	Microscopes	15	20	Yes	
2	Haemocytometer with Micropipettes	20	20	Yes	
3	Sahlia™ haemocytometer	20	20	Yes	
4	Hutchinson™ spirometer	1	1	Yes	
5	Spygmomanometer	5	10	Yes	
6	Stethoscope	5	10	Yes	
7	Permanent Slides for various tissues	0	25	Yes	
8	Models for various organs	0	12	Yes	
9	Specimen for various organs and systems	0	25	Yes	
10	Skeleton and bones	0	2	Yes	
11	Different Contraceptive Devices and Models	0	1	Yes	
12	Muscle electrodes	1	2	Yes	
13	Lucas moist chamber	1	1	Yes	
14	Myographic lever	1	4	Yes	
15	Stimulator	1	2	Yes	
16	Centrifuge	1	1	Yes	
17	Electronic Balance	1	1	Yes	
18	Physical /Chemical Balance	1	2	Yes	
19	Sherrington™ Kymograph Machine / Polyrite	10	17	Yes	
20	Sherrington Drum	10	17	Yes	
21	Perspex bath assembly (single unit)	10	17	Yes	
22	Aerators	10	20	Yes	
23	Computer with LCD	1	1	Yes	
24	Software packages for experiment	1	1	Yes	
25	Standard graphs of various drugs	0	1	Yes	
26	Actophotometer	1	2	Yes	
27	Rotarod	1	2	Yes	
28	Pole climbing apparatus	1	2	Yes	
29	Analgesiometer (Eddy™ hot plate and radiant heat methods)	1	3	Yes	
30	Convulsiometer	1	2	Yes	
31	Plethysmograph	1	1	Yes	
32	Digital pH meter	1	1	Yes	

**Appratus:**

Sl. No.	Name	Minimum required Nos.	Available Nos.	Working	Remarks of the Inspectors
1	Folin-Wu tubes	60	60	Yes	
2	Dissection Tray and Boards	10	20	Yes	
3	Haemostatic artery forceps	10	50	Yes	
4	Hypodermic syringes and needles of size 15,24,26G	10	10	Yes	
5	Levers, cannulae	20	30	Yes	

NOTE: Adequate number of glassware commonly used in the laboratory should be provided in each laboratory and department.

**Department of Pharmacognosy****Equipments:**

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Sl. No.	Name	Minimum required Nos.	Available Nos.	Working	Remarks of the Inspectors
1	Microscope with stage micrometer	15	15	Yes	
2	Digital Balance	2	2	Yes	
3	Autoclave	2	2	Yes	
4	Hot air oven	2	2	Yes	
5	B.O.D. incubator	1	1	Yes	
6	Refrigerator	1	1	Yes	
7	Laminar air flow	1	1	Yes	
8	Colony counter	2	2	Yes	
9	Zone reader	1	1	Yes	
10	Digital pH meter	1	1	Yes	
11	Microscope with stage and oil immersion objective	20	20	Yes	
12	Sterility testing unit	1	1	Yes	
13	Camera Lucida	15	20	Yes	
14	Eye piece micrometer	15	20	Yes	
15	Stage micrometer	20	20	Yes	
16	Incinerator	1	1	Yes	
17	Moisture balance	1	1	Yes	
18	Heating mantle	15	20	Yes	
19	Flourimeter	1	1	Yes	
20	Vacuum pump	2	2	Yes	
21	Micropipettes (Single and multi channeled)	2	2	Yes	
22	Micro Centrifuge	1	1	Yes	
23	Projection Microscope	1	1	Yes	

**Appratus:**

Sl. No.	Name	Minimum required Nos.	Available Nos.	Working	Remarks of the Inspectors
1	Reflux flask with condenser	20	25	Yes	
2	Water bath	20	25	Yes	
3	Clavengers apparatus	10	15	Yes	
4	Soxhlet apparatus	10	15	Yes	
5	TLC chamber and sprayer	10	15	Yes	
6	Distillation unit	1	1	Yes	

NOTE: Adequate number of glassware commonly used in the laboratory should be provided in each laboratory and department.

**Department of Pharmaceutical Chemistry****Equipments:**

Sl. No.	Name	Minimum required Nos.	Available Nos.	Working	Remarks of the Inspectors
1	Hot plates	5	10	Yes	
2	Oven	3	3	Yes	
3	Refrigerator	1	1	Yes	
4	Analytical Balances for demonstration	5	10	Yes	
5	Digital balance 10mg sensitivity	10	10	Yes	
6	Suction pumps	6	6	Yes	
7	Muffle Furnace	1	1	Yes	
8	Mechanical Stirrers	10	10	Yes	

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9	Magnetic Stirrers with Thermostat	10	10	Yes	
10	Vacuum Pump	1	1	Yes	
11	Digital pH meter	1	2	Yes	
12	Microwave Oven	1	2	Yes	

**Appratus:**

Sl. No.	Name	Minimum required Nos.	Available Nos.	Working	Remarks of the Inspectors
1	Distillation Unit	2	2	Yes	
2	Reflux flask and condenser single necked	20	30	Yes	
3	Reflux flask and condenser double / triple necked	20	30	Yes	
4	Burettes	40	60	Yes	
5	Arsenic Limit Test Apparatus	20	20	Yes	
6	Nessler's Cylinders	40	80	Yes	

NOTE: Adequate number of glassware commonly used in the laboratory should be provided in each laboratory and department.

**Department of Pharmaceutics****Equipments:**

Sl. No.	Name	Minimum required Nos.	Available Nos.	Working	Remarks of the Inspectors
1	Homogenizer	5	5	Yes	
2	Digital balance (10 mg sensitivity)	5	5	Yes	
3	Microscopes	5	5	Yes	
4	Stage and eye piece micrometers	5	5	Yes	
5	Brookfield's viscometer	1	1	Yes	
6	Ball mill	1	1	Yes	
7	Sieve shaker with sieve set	1	1	Yes	
8	Double cone blender	1	1	Yes	
9	Propeller type mechanical agitator	5	5	Yes	
10	Autoclave	1	1	Yes	
11	Steam distillation still	1	1	Yes	
12	Vacuum Pump	1	1	Yes	
13	Standard sieves, sieve no. 8, 10, 12, 22, 24, 44, 66, 80	0	10	Yes	
14	Tablet punching machine	1	1	Yes	
15	Capsule filling machine	1	1	Yes	
16	Ampoule washing machine	1	1	Yes	
17	Ampoule filling and sealing machine	1	1	Yes	
18	Tablet disintegration test apparatus IP	1	1	Yes	
19	Tablet dissolution test apparatus IP	1	1	Yes	
20	Monsanto's hardness tester	1	1	Yes	
21	Pfizer type hardness tester	1	1	Yes	
22	Friability test apparatus	1	1	Yes	
23	Clarity test apparatus	1	5	Yes	
24	Ointment filling machine	1	1	Yes	
25	Collapsible Tube Crimping Machine	1	1	Yes	
26	Tablet coating pan	1	1	Yes	
27	Magnetic stirrer, 500ml and 1 liter capacity, with variable speed control.	10	12	Yes	
28	Digital pH meter	2	1	Yes	
29	All purpose equipment with all accessories	1	1	Yes	

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30	Aseptic Cabinet	1	1	Yes	
31	BOD Incubator	2	2	Yes	
32	Bottle washing Machine	1	1	Yes	
33	Bottle Sealing Machine	1	2	Yes	
34	Bulk Density Apparatus	2	15	Yes	
35	Conical Percolator (glass/ copper/ stainless steel)	10	15	Yes	
36	Capsule Counter	2	2	Yes	
37	Energy meter	2	2	Yes	
38	Hot Plate	2	2	Yes	
39	Humidity Control Oven	1	1	Yes	
40	Liquid Filling Machine	1	1	Yes	
41	Mechanical stirrer with speed regulator	2	2	Yes	
42	Precision Melting point Apparatus	1	1	Yes	
43	Tray Drier	1	1	Yes	
44	Distillation Unit	1	1	Yes	

**Appratus:**

Sl. No.	Name	Minimum required Nos.	Available Nos.	Working	Remarks of the Inspectors
1	Ostwald's viscometer	15	30	Yes	
2	Stalagmometer	15	30	Yes	
3	Desiccator	5	5	Yes	
4	Suppository moulds	20	20	Yes	
5	Buchner Funnels Small, medium, large	0	20	Yes	
6	Filtration assembly	1	1	Yes	
7	Permeability Cups	5	5	Yes	
8	Andreason's Pipette	3	10	Yes	
9	Lipstick moulds	10	10	Yes	

NOTE: Adequate number of glassware commonly used in the laboratory should be provided in each laboratory and department.

**Pharmaceutical Biotechnology****Equipments:**

Sl. No.	Name	Minimum required Nos.	Available Nos.	Working	Remarks of the Inspectors
1	Orbital shaker incubator	1	1	Yes	
2	Lyophilizer (Desirable)	1	1	Yes	
3	Gel Electrophoresis (Vertical and Horizontal)	1	1	Yes	
4	Phase contrast/Trinocular Microscope	1	1	Yes	
5	Refrigerated Centrifuge	1	1	Yes	
6	Fermenters of different capacity (Desirable)	1	1	Yes	
7	Tissue culture station	1	1	Yes	
8	Laminar airflow unit	1	1	Yes	
9	Diagnostic kits to identify infectious agents	1	1	Yes	
10	Rheometer	1	1	Yes	
11	Viscometer	1	1	Yes	
12	Micropipettes (single and multi channeled)	0	2	Yes	
13	Sonicator	1	1	Yes	
14	Respinometer	1	1	Yes	
15	BOD Incubator	1	1	Yes	

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16	Paper Electrophoresis Unit	1	1	Yes	
17	Micro Centrifuge	1	1	Yes	
18	Incubator water bath	1	1	Yes	
19	Autoclave	1	1	Yes	
20	Refrigerator	1	1	Yes	
21	Filtration Assembly	1	1	Yes	
22	Digital pH meter	1	1	Yes	

NOTE: Adequate number of glassware commonly used in the laboratory should be provided in each laboratory and department.

### Central Instrumentation Room

#### **Equipments:**

Sl. No.	Name	Minimum required Nos.	Available Nos.	Working	Remarks of the Inspectors
1	Colorimeter	1	2	Yes	
2	Digital pH meter	1	1	Yes	
3	UV- Visible Spectrophotometer	1	2	Yes	
4	Fluorimeter	1	1	Yes	
5	Digital Balance (1mg sensitivity)	1	1	Yes	
6	Nephelo Turbidity meter	1	1	Yes	
7	Flame Photometer	1	1	Yes	
8	Potentiometer	1	1	Yes	
9	Conductivity meter	1	1	Yes	
10	Fourier Transform Infra Red Spectrometer (Desirable)	1	1	No	
11	HPLC	1	1	Yes	
12	HPTLC (Desirable)	1	0	No	
13	Atomic Absorption and Emission spectrophotometer (Desirable)	1	0	No	
14	Biochemistry Analyzer (Desirable)	1	1	Yes	
15	Carbon, Hydrogen, Nitrogen Analyzer (Desirable)	1	0	No	
16	Deep Freezer (Desirable)	1	1	Yes	
17	Ion- Exchanger	1	1	Yes	
18	Lyophilizer (Desirable)	1	1	Yes	

NOTE: Adequate number of glassware commonly used in the laboratory should be provided in each laboratory and department.

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