

CENTRAL OPTICAL WORKS

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ORIGINAL EQUIPMENT MANUFACTURERS

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DIPLOMA PHARMACY LAB INSTRUMENTS

PHARMEUTICS Equipment:

Sl.	Name	Minimum
1	Continuous Hot Extracction Equipment THREE STAGE	2
	SINGLE STAGE	2
2	Conical Percolator	2
3	Tincture Press	1
4	Hand Grinding Mill	1
5	Disintegrator	1
6	Ball mill	1
7	Hand operated Tablet machine	1
8	Tablet Coating Pan unit with hot air blower	1
9	Polishing pan laboratory size	1
10	Monsanto' s hardness ester	1
11	Pfizer type hardness teester	1
12	Tablet disintegration teest apparatus IP	1
13	Tablet dissolution test apparatus IP	1
14	Granulating sieve set	10
15	Tablet counter – small size	5
16	Friability tester	1
17	Collapsible tube – Filling equipment Sealing machn	1
18	Capsule filling machinne – Lab size	1
19	Digital balance	1
20	Distillation unit for distilled water	1
21	Deionisation unit	1
22	Glass distillation unit for water for injection	1
23	Ampoule washing machine	1
24	Ampoule filling and sealing machine	1
25	Sintered glass filters foor bacterial proof filtration (four different grades)	5
26	Millipore filter (3 graddes)	5
27	Ointment slab	10
28	Ointment spatula	10
29	Pestle and mortar porcelain	10
30	Pestle and mortar glasss	10
31	Suppository moulds of three sizes 2 HOLE 4 HOLE	10 10

	6 HOLE	10
32	Refrigerator	1
33	Autoclave	1
34	Hot air sterilizer	1
35	Incubator	1
36	Aseptic cabinet	1
37	Ampoule clarity test equipment	1
38	Blender	1
39	Sieves set (Pharmacopoeial standard)	2
40	Lab Centrifuge	1

PHARMACEUTICAL CHEMISTRY

Sl. No.	Name	Minimum
1	Refractometer	1
2	Polarimeter	1
3	Photoelectric colorimeter	1
4	pH meter	1
5	Atomic model set	2
6	Electronic balance	1
7	Periodic table chart	4

PHYSIOLOGY & PHARMACOLOGY LABORATORY APP.

Sl No.	Name	Minimum
1	Haemoglobinometer	10
2	Haemocytometer	10
3	Student' s organ bath	1
4	Sherington' s rotating drum	1
5	Frog board	5
6	Tray (dissecting)	5
7	Frontal writing lever	5
8	Aeration tube	5
9	Telethermometer	1
10	Pole climbing apparatus	1
11	Histamine chamber	1
12	Simple lever	5
13	Staring heart lever	5
14	Aerator	5
15	Histological Slides	10
16	Sphygmomanometer (B.P. apparatus) mercuy type Dial type	5
17	Stethoscope	5
18	First aid equipment	10
19	Contraceptive device	10
20	Dissecting (surgical) instruments	10
21	Balance for weighing small Animals	1
22	Kymograph paper	5
23	Actophotometer	1

24	Analgesiometer	1
25	Thermometer	5
26	Plastic animal cage	5
27	Double unit organ bath with thermostat	1
28	Refrigerator	1
29	Single pan balance	1
30	Charts	5
31	Human skeleton	1
32	Anatomical specimen (Heart, brain, eye, ear, reproductive system etc.,)	10
33	Electro-convulsiometer	1
34	Stop watch	10
35	Clamp, boss heads, screw clips	10
36	Syme' s Cannula	10

PHARMCOGNOSY LABORATORY Equpt.

1	Projection Microscope	1
2	Charts (different types)	10
3	Models (different types)	10
4	Permanent Slides	10
5	Slides and Cover Slips	20

PHARMACY PRACTICE LABORATORY EQUPT.

SI No.	Name	Minimum required Nos.
1	Colorimeter	2
2	Microscope	20
3	Permanent slides (skin, kidney, pancreas, smooth muscle, liver etc.,)	15
4	Watch glass	20
5	Centrifuge	1
6	Biochemical reagents for analysis of normal	1
7	Filtration equipment	2
8	Filling Machine	1
9	Sealing Machine	1
10	Autoclave sterilizer	1
11	Membrane filter	1
12	Sintered glass funnel with complete filtering	5
13	Small disposable membrane filter for IV	5
14	Laminar air flow bench	1
15	Vacuum pump	1
16	Oven	1
17	Surgical dressing	10
18	Incubator	1
19	PH meter	1
20	Disintegration test apparatus	1
21	Hardness tester	1
22	Centrifuge	1

23	Magnetic stirrer	1
24	Thermostatic bath	1

PRODUCTS COMPLETE PACKAGE IS : 522000.00

Price quoted are Net exworks

GST : EXTRA AS PER GOVT. RULE

Freight : to Pay

Packing : 3% extra

Delivery : 7-10 days

Payment ; 40% advance and balance before delivery.

thanks

We offer complete lab set up as per PCI norms for

Pharma D, B Pharmacy, DIPLOMA PHARMACY lab instruments as per PCI norms

if you have any requirement plz forward us your requirements.

Continuous Hot Extraction Equipment

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PART VII – EQUIPMENT AND APPARATUS
Department wise list of minimum equipments required for
B.Pharm (for a batch of 20 students)

PHARMACOLOGY

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

	30	Convulsiometer	1
	31	Plethysmograph	1
	32	Digital pH meter	1
		PHARMACOLOGY Equipment:	
	1	Folin-Wu tubes	20
	2	Dissection Tray and Boards	5
		board	5
	3	Haemostatic artery forceps	10
	4	Hypodermic syringes and needles of size 15,24,26G	10
	5	Levers, cannulae	10
		PHARMACOGNOSY APP.	
	1	Microscope with stage micrometer	10
	2	Digital Balance	1
	3	Autoclave	1
	4	Hot air oven	1
	5	B.O.D.incubator	1
	6	Refrigerator	1
	7	Laminar air flow	1
	8	Colony counter	2
	9	Zone reader	1
	10	Digital pH meter	1
	11	Microscope with stage and oil immersion lens	5
	12	Sterility testing unit	1
	13	Camera Lucida	5
	14	Eye piece micrometer	10
	15	Stage micriscoeemter	10
	16	Incinerator	1
	17	Moisture balance	1
	18	Heating mantle	15
	19	Flourimeter	1
	20	Vacuum pump	2
	21	Micropipettes (Single channeled)	2
	22	Micropipettes multi channeled)	2

	23	Micro Centrifuge	1
	24	Projection Microscope	1
		PHARMACOGNOSY EQUPT.	
	1	Reflux flask with condensor	10
	2	water bath	10
	3	clevenger app.	5
	4	Soxhlet apparatus	4
	6	TLC chamber and sprayer	5
	7	Distillation unit	1
		PHARMACEUTICAL CHEMISTRY	
	1	Hot plates	5
	2	Oven	1
	4	Analytical Balances for demonstration	3
	5	Digital balance 10mg sensitivity	10
	6	Digital Balance (1mg sensitivity)	1
	7	Suction pumps	3
	8	Muffle Furnace	1
	9	Mechanical Stirrers	3
	10	Magnetic Stirrers with Thermostat	5
	11	Vacuum Pump	1
	12	Digital pH meter	1
	13	Microwave Oven	1
		PHARMACEUTICAL CHEMISTRY	
	1	Distillation Unit	2
	2	Reflux flask and condenser single necked	20
	3	Reflux flask and condenser double / triple necked	20
	4	Burettes	100
	5	Arsenic Limit Test Apparatus	25
	6	Nessler's Cylinders	50
		DEPARTMENT OF PHARMACEUTICS	
	1	Homogenizer	2
	2	Digital balance	2
	3	Microscopes	2
	4	Stage and eye piece micrometers	2
	5	Brookfield's viscometer	1

6	Sieve shaker with sieve set	1
7	Double cone blender	1
8	Propeller type mechanical agitator	5
9	Steam distillation still	1
10	Standard sieves, sieve no. 8, 10, 12,22,24, 44, 66, 80	10
11	Tablet punching machine	1
12	Tablet disintegration test apparatus IP	1
13	Tablet dissolution test apparatus IP	1
14	Monsanto' s hardness tester	1
15	Pfizer type hardness tester	1
16	Friability test apparatus	1
17	Clarity test apparatus	1
18	Ointment filling machine	1
19	Collapsible tube crimping machine	1
20	Tablet coating pan	1
21	Magnetic stirrer, 500ml and 1 liter capacity with speed control	10
22	Digital pH meter	2
23	All purpose equipment with all accessories	1
24	Aseptic Cabinet	1
25	Bottle washing Machine	1
26	Bottle Sealing Machine	1
27	Bulk Density Apparatus	2
28	Conical Percolator (stainless steel)	10
29	Capsule Counter	2
30	Energy meter	2
31	Hot Plate	2
32	Humidity Control Oven	1
33	Liquid Filling Machine	1
34	Mechanical stirrer with speed regulator	2
35	Precision Melting point Apparatus	1
36	Distillation Unit	1
DEPARTMENT OF PHARMACEUTICS APP.		
1	Ostwald' s viscometer	15
2	Stalagmometer	15
3	Desiccator*	5
4	Suppository moulds	10
5	Buchner Funnels (Small, medium, large)	2
6	Filtration assembly	1

	7	Permeability Cups	5
	8	Andreason' s Pipette	3
	9	Lipstick moulds 4 hole	10
		PHARMACEUTICAL BIOTECHNOLOGY	
	1	Orbital shaker incubator	1
	2	Gel Electrophoresis (Vertical and Horizontal)	1
	3	Phase contrast/Trinocular Microscope	1
	4	Refrigerated Centrifuge	Na
	5	Tissue culture station	1
	6	Laminar airflow unit	1
	7	Diagnostic kits to identify infectious agents	Na
	8	Rheometer	1
	9	Viscometer (Red wood viscometer no. 1)	1
	10	Micropipettes (single and multi channeled)	1
	11	Micropipettes multi channel	1
	12	Sonicator	1
	13	Respinometer	1
	14	BOD Incubator	1
	15	Paper Electrophoresis Unit	1
	16	Micro Centrifuge	1
	17	Incubator water bath	1
	18	Autoclave	1
	19	Filtration Assembly	1
	20	Digital pH meter	1
		CENTRAL INSTRUMENTATION ROOM:	
	1	Digital pH meter	1
	2	Visible Spectrophotometer	1
	3	U.V. VISIBLE SPECTROHOOTMETER	NA
	4	Flourimeter	1
	5	Digital Balance (1mg sensitivity)	1
	6	Nephelo Turbidity meter	1
	7	Flame Photometer	1
	8	Potentiometer	1
	9	Conductivity meter	1
	10	Ion- Exchanger	1

COMPLETE PACKAGE IS : 21,50,000.00

Terms & conditions

Price quoted are Net ex-works

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Packing : 2% extra

Delivery : 5-7 days

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