

# Government Polytechnic Education Society

## Department of Pharmacy

### LABORATORY: PHARMACEUTICS

Sr. No.	Name	Minimum required Nos.	Available Nos.	Shortfall	Working
1.	Continuous Hot Extraction Equipment	05	05	Nil	Yes
2.	Conical Percolator	05	10	Nil	Yes
3.	Tincture Press	01	01	Nil	Yes
4.	Hand Grinding Mill	01	01	Nil	Yes
5.	Disintegrator	01	01	Nil	Yes
6.	Ball mill	01	01	Nil	Yes
7.	Hand operated Tablet machine	01	01	Nil	Yes
8.	Tablet Coating Pan unit with hot air blower laboratory size	01	01	Nil	Yes
9.	Polishing pan laboratory size	01	01	Nil	Yes
10.	Monsanto's hardness tester	01	02	Nil	Yes
11.	Pfizer type hardness tester	01	02	Nil	Yes
12.	Tablet disintegration test apparatus IP	01	01	Nil	Yes
13.	Tablet dissolution test apparatus IP	01	01	Nil	Yes
14.	Granulating sieve set	10	10	Nil	Yes
15.	Tablet counter – small size	05	07	Nil	Yes
16.	Friability tester	01	01	Nil	Yes
17.	Collapsible tube – Filling and sealing equipment	01	01	Nil	Yes
18.	Capsule filling machine – Lab size	01	01	Nil	Yes
19.	Digital balance	01	01	Nil	Yes
20.	Distillation unit for distilled water	02	01	Nil	Yes
21.	Deionisation unit	01	01	Nil	Yes
22.	Glass distillation unit for water for injection	01	01	Nil	Yes
23.	Ampoule washing machine	01	01	Nil	Yes
24.	Ampoule filling and sealing machine	01	01	Nil	Yes
25.	Sintered glass filters for bacterial proof filtration (four different grades)	Adequate	Adequate	Nil	Yes
26.	Millipore filter (3 grades)	Adequate	Adequate	Nil	Yes
27.	Autoclave	01	02	Nil	Yes
28.	Hot air sterilizer	01	02	Nil	Yes
29.	Incubator	01	02	Nil	Yes
30.	Aseptic cabinet	01	01	Nil	Yes
31.	Ampoule clarity test equipment	01	01	Nil	Yes
32.	Blender	01	01	Nil	Yes
33.	Sieves set (Pharmacopoeial standard)	02	02	Nil	Yes
34.	Lab Centrifuge	01	01	Nil	Yes
35.	Ointment slab	05	05	Nil	Yes
36.	Ointment spatula	05	05	Nil	Yes
37.	Pestle and mortar porcelain	10	10	Nil	Yes
38.	Pestle and mortar glass	02	02	Nil	Yes
39.	Suppository moulds of three sizes	05	05	Nil	Yes
40.	Refrigerator	01	01	Nil	Yes

**LABORATORY: PHARMACEUTICAL CHEMISTRY**

Sr. No.	Name	Minimum required Nos.	Available Nos.	Shortfall	Remarks
1.	Refractometer	01	01	Nil	Yes
2.	Polarimeter	01	01	Nil	Yes
3.	Photoelectric colorimeter	01	02	Nil	Yes
4.	pH meter	01	02	Nil	Yes
5.	Atomic model set	02	02	Nil	Yes
6.	Electronic balance	01	03	Nil	Yes
7.	Periodic table chart	02	02	Nil	Yes

**LABORATORY: PHYSIOLOGY & PHARMACOLOGY LABORATORY**

Sr. No.	Name	Minimum required Nos.	Available Nos.	Shortfall	Remarks
1.	Haemoglobinometer	20	20	Nil	Yes
2.	Haemocytometer	10	10	Nil	Yes
3.	Student's organ bath	1	1	Nil	Yes
4.	Sherington's rotating drum	1	1	Nil	Yes
5.	Frog board	10	10	Nil	Yes
6.	Tray (dissecting)	10	10	Nil	Yes
7.	Frontal writing lever	05	05	Nil	Yes
8.	Aeration tube	05	05	Nil	Yes
9.	Telethermometer	1	1	Nil	Yes
10.	Pole climbing apparatus	1	1	Nil	Yes
11.	Histamine chamber	1	1	Nil	Yes
12.	Simple lever	05	05	Nil	Yes
13.	Staring heart lever	05	05	Nil	Yes
14.	Aerator	02	02	Nil	Yes
15.	Histological Slides	20	20	Nil	Yes
16.	Sphygmomanometer (B.P. apparatus)	5	5	Nil	Yes
17.	Stethoscope	5	5	Nil	Yes
18.	First aid equipment	05	05	Nil	Yes
19.	Contraceptive device	05	05	Nil	Yes
20.	Dissecting (surgical) instruments	05	05	Nil	Yes
21.	Balance for weighing small Animals	01	01	Nil	Yes
22.	Kymograph paper	01	01	Nil	Yes
23.	Actophotometer	1	1	Nil	Yes
24.	Analgesiometer	1	1	Nil	Yes
25.	Thermometer	10	10	Nil	Yes

26.	Plastic animal cage	05	05	Nil	Yes
27.	Double unit organ bath with thermostat	1	1	Nil	Yes
28.	Refrigerator	1	1	Nil	Yes
29.	Single pan balance	1	1	Nil	Yes
30.	Charts	20	20	Nil	Yes
31.	Human skeleton	1	1	Nil	Yes
32.	Anatomical specimen (Heart, brain, eye, ear, reproductive system etc.,)	1 set	1 set	Nil	Yes
33.	Electro- convulsiometer	1	1	Nil	Yes
34.	Stop watch	05	05	Nil	Yes
35.	Clamp, boss heads, screw clips	05	05	Nil	Yes
36.	Syme's Cannula	05	05	Nil	Yes

**Laboratory: PHARMCOGNOSY**

Sr. No.	Name	Minimum required Nos.	Available Nos.	Short Fall	Remarks
1.	Projection Microscope	01	01	Nil	Yes
2.	Charts (different types)	15	15	Nil	Yes
3.	Models (different types)	Nil	Nil	Nil	Yes
4.	Permanent Slides	15	15	Nil	Yes
5.	Slides and Cover Slips	Adequate	Adequate	Nil	Yes

**Laboratory: PHARMACY PRACTICE**

Sr. No.	Name	Minimum required Nos.	Available Nos.	Short Fall	Remarks
1.	Colorimeter	2	02	Nil	Yes
2.	Microscope	10	10	Nil	Yes
3.	Permanent slides (skin, kidney, pancreas, smooth muscle, liver etc.,)	50	50	Nil	Yes
4.	Watch glass	Adequate	Adequate	Nil	Yes
5.	Centrifuge	1	03	Nil	Yes
6.	Biochemical reagents for analysis of normal and pathological constituents in urine and blood facilities	Adequate	Adequate	Nil	Yes
7.	Filtration equipment	2	02	Nil	Yes
8.	Filling Machine	1	01	Nil	Yes
9.	Sealing Machine	1	01	Nil	Yes
10.	Autoclave sterilizer	1	01	Nil	Yes
11.	Membrane filter	1 Unit	1 Unit	Nil	Yes

12.	Sintered glass funnel with complete filtering assemble	02	02	Nil	Yes
13.	Small disposable membrane filter for IV admixture filtration	Adequate	Adequate	Nil	Yes
14.	Laminar air flow bench	1	01	Nil	Yes
15.	Vacuum pump	1	01	Nil	Yes
16.	Oven	1	01	Nil	Yes
17.	Surgical dressing	Adequate	Adequate	Nil	Yes
18.	Incubator	1	01	Nil	Yes
19.	PH meter	1	01	Nil	Yes
20.	Disintegration test apparatus	1	01	Nil	Yes
21.	Hardness tester	1	01	Nil	Yes
22.	Centrifuge	1	01	Nil	Yes
23.	Magnetic stirrer	1	01	Nil	Yes
24.	Thermostatic bath	1	01	Nil	Yes