

SCHEDULE IX

Minimum Essential Requirements for Department of Dravyaguna

Serial number	Standard	Requirement as per intake capacity				Available Quantity	Deficiency
		60	100	150	200		
1.	Computer with internet	1	1	1	1	1	
2.	Printer	1	1	1	1	1	
3.	Electronic-Display (smart board or smart television or light emitting diodes display)	1	1	2	2	1	
Dravyaguna Laboratory Museum cum Herbarium							
4.	Microscope (trinocular with digital camera, including software for projection through liquid crystal display or smart board or smart television for demonstration of histology and others)	1	1	2	2	1	
5.	Microscope [binocular with eyepiece (wide field), objectives (10x, 40x spring loaded, 100x oil immersion spring loaded) built-in illumination]	5	10	15	20	5	
6.	Dissecting microscope	5	10	15	20	5	
7.	Magnification lens with light	5	10	15	20	5	
8.	Dissection box	5	10	15	20	5	
9.	Digital weighing scale (upto 10 grams with accuracy 0.001 milligram)	2	3	4	5	2	
10.	Digital weighing scale (10-100 grams with accuracy 0.001 gram)	2	3	4	5	2	
11.	Thin layer chromatography kit with thin layer chromatography applicator, thin layer chromatography platform, atomizer, glass plates thin layer chromatography chamber and thin layer chromatography scale	1	1	2	2	1	
12.	Hot air oven	1	1	2	2	1	
13.	Muffle furnace	1	1	2	2	1	
14.	Digital pH (per Hydrogen Ion Concentration) Meter	1	1	2	2	1	
15.	Ostwald viscometer	5	10	15	20	5	
16.	Pycnometer or specific gravity bottle	5	10	15	20	5	
17.	Soxhlet's extraction apparatus	1	1	2	2	1	
18.	Heating mantle (250, 500 and 1000 millilitre)	One each	Two each			01	
19.	Bunsen burner electric or gas burner	10	15	20	25	10	
20.	Enamel trays	10	15	20	25	10	
21.	Water bath (rectangular)	1	1	2	2	1	
22.	Ultraviolet-cabinet	1	1	2	2	1	
23.	Desiccator	1	1	2	2	1	
Lab wares							
24.	Dropper	Assorted				Available	
25.	Needle					Available	
26.	Sharp razor blades					Available	
27.	Pipe clay triangles					Available	



28.	Wire mesh		Available
29.	Test tube holders		Available
30.	Reagent bottles		Available
31.	Test tube stands		Available
32.	Tripod stand		Available
33.	Pair of tong		Available
Glassware and consumables			
34.	Test tubes	Assorted	Available
35.	Thin layer chromatography plates 20x20cm (pre coated)		Available
36.	Evaporating dish		Available
37.	Silica crucible		Available
38.	Beakers two hundred millilitre		Available
39.	Glass rods		Available
40.	Conical flasks two hundred fifty millilitre		Available
41.	Glass funnels		Available
42.	Chemicals		Available
43.	Safranin		Available
44.	Light green		Available
45.	Sudan red- III		Available
46.	Glycerine		Available
47.	Dragendorff's reagent		Available
48.	Millon's reagent		Available
49.	Wagner's reagent		Available
50.	Benedict's solution		Available
51.	Fehling's solution		Available
52.	Iodine solution		Available
53.	Methanol		Available
54.	Distilled water		Available
55.	Ethanol		Available
56.	Hydrochloric acid		Available
57.	Sulphuric acid		Available
58.	Chloroform		Available
59.	Phloroglucinol		Available
60.	Acetic acid		Available
61.	Ferric chloride		Available
62.	Potassium iodide		Available
63.	Magnesium turnings		Available
64.	Ethyl acetate		Available
65.	Toluene		Available
66.	Silica gel GF-254		Available
67.	Blotting or filter papers		Available
68.	Microscope slides and cover slips	Available	




PRINCIPAL
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