


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 miligram)	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		1	
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				Assorted	
25.	Needle					Assorted	
26.	Sharp razor blades					Assorted	
27.	Pipe clay triangles					Assorted	
28.	Wire mesh					Assorted	
29.	Test tube holders					Assorted	

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




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