

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	01	
2.	Printer	1	1	1	1	01	
3.	Electronic-Display (smart board or smart television or light emitting diodes display)	1	1	2	2	01	
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	01	
5.	Microscope [binocular with eyepiece (wide field), objectives (10x, 40x spring loaded, 100x oil immersion spring loaded) built-in illumination]	5	10	15	20	10	
6.	Dissecting microscope	5	10	15	20	10	
7.	Magnification lens with light	5	10	15	20	10	
8.	Dissection box	5	10	15	20	10	
9.	Digital weighing scale (upto 10 grams with accuracy 0.001 miligram)	2	3	4	5	03	
10.	Digital weighing scale (10-100 grams with accuracy 0.001 gram)	2	3	4	5	03	
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	01	
12.	Hot air oven	1	1	2	2	01	
13.	Muffle furnace	1	1	2	2	01	
14.	Digital pH (per Hydrogen Ion Concentration) Meter	1	1	2	2	01	
15.	Ostwald viscometer	5	10	15	20	10	
16.	Pycnometer or specific gravity bottle	5	10	15	20	10	
17.	Soxhlet's extraction apparatus	1	1	2	2	01	
18.	Heating mantle (250, 500 and 1000 millilitre)	One each		Two each		01	
19.	Bunsen burner electric or gas burner	10	15	20	25	15	
20.	Enamel trays	10	15	20	25	15	
21.	Water bath (rectangular)	1	1	2	2	15	
22.	Ultraviolet-cabinet	1	1	2	2	01	
23.	Desiccator	1	1	2	2	01	
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	



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