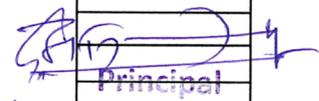


SCHEDULE IX

Minimum Essential Requirements for Department of Dravyaguna

Serial number	Standard	Requirement as per intake capacity				Available Quantity – 60 seats	Deficiency
		60	100	150	200		
1.	Computer with internet	1	1	1	1	NOT APPLICABLE	
2.	Printer	1	1	1	1		
3.	Electronic-Display (smart board or smart television or light emitting diodes display)	1	1	2	2		
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		
5.	Microscope [binocular with eyepiece (wide field), objectives (10x, 40x spring loaded, 100x oil immersion spring loaded) built-in illumination]	5	10	15	20		
6.	Dissecting microscope	5	10	15	20		
7.	Magnification lens with light	5	10	15	20		
8.	Dissection box	5	10	15	20		
9.	Digital weighing scale (upto 10 grams with accuracy 0.001 milligram)	2	3	4	5		
10.	Digital weighing scale (10-100 grams with accuracy 0.001 gram)	2	3	4	5		
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		
12.	Hot air oven	1	1	2	2		
13.	Muffle furnace	1	1	2	2		
14.	Digital pH (per Hydrogen Ion Concentration) Meter	1	1	2	2		
15.	Ostwald viscometer	5	10	15	20		
16.	Pycnometer or specific gravity bottle	5	10	15	20		
17.	Soxhlet's extraction apparatus	1	1	2	2		
18.	Heating mantle (250, 500 and 1000 millilitre)	One each	Two each				
19.	Bunsen burner electric or gas burner	10	15	20	25		
20.	Enamel trays	10	15	20	25		
21.	Water bath (rectangular)	1	1	2	2		
22.	Ultraviolet-cabinet	1	1	2	2		
23.	Desiccator	1	1	2	2		
Lab wares							
24.	Dropper	Assorted					
25.	Needle						
26.	Sharp razor blades						
27.	Pipe clay triangles						


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28.	Wire mesh		
29.	Test tube holders		
30.	Reagent bottles		
31.	Test tube stands		
32.	Tripod stand		
33.	Pair of tong		
Glassware and consumables			
34.	Test tubes	Assorted	
35.	Thin layer chromatography plates 20x20cm (pre coated)		
36.	Evaporating dish		
37.	Silica crucible		
38.	Beakers two hundred millilitre		
39.	Glass rods		
40.	Conical flasks two hundred fifty millilitre	NOT APPLICABLE	
41.	Glass funnels		
42.	Chemicals		
43.	Safranin		
44.	Light green		
45.	Sudan red- III		
46.	Glycerine		
47.	Dragendorff's reagent		
48.	Millon's reagent		
49.	Wagner's reagent		
50.	Benedict's solution		
51.	Fehling's solution		
52.	Iodine solution		
53.	Methanol		
54.	Distilled water		
55.	Ethanol		
56.	Hydrochloric acid		
57.	Sulphuric acid		
58.	Chloroform		
59.	Phloroglucinol		
60.	Acetic acid		
61.	Ferric chloride		
62.	Potassium iodide		
63.	Magnesium turnings		
64.	Ethyl acetate		
65.	Toluene		
66.	Silica gel GF-254		
67.	Blotting or filter papers		
68.	Microscope slides and cover slips		



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