

SCHEDULE IX-A (As per MSR 2016)

*Minimum Essential Requirements for Department of Dravyaguna

S. No.	Equipment and Instruments	Up to 60 intake capacity	61 to 100 intake capacity	Available	Deficiency
Essential					
1.	Field magnifier	One	One	1	
2.	Compound microscope	One	One	2	
3.	Dissecting Microscope	One	One	20	
4.	Microscope	Fifteen	Twenty five	20	
5.	Electronic balance	One	Two	2	
Miscellaneous					
6.	Slides box with cover slips,	Assorted	Assorted	Available	
7.	Blotting/filter papers	Assorted	Assorted	Available	
8.	Dissection Box	Assorted	Assorted	Available	
9.	Enamel Trays	Assorted	Assorted	Available	
10.	Reagents-				
a.	Chloroform	Assorted	Assorted	Available	
b.	Alcohol.	Assorted	Assorted	Available	
c.	HCL	Assorted	Assorted	Available	
d.	Sulphuric acid	Assorted	Assorted	Available	
e.	Sodium, potassium hydroxide	Assorted	Assorted	Available	
f.	Benedict solution	Assorted	Assorted	Available	
g.	Sodium nitrate	Assorted	Assorted	Available	
h.	Potassium nitrate	Assorted	Assorted	Available	
i.	Citric acid	Assorted	Assorted	Available	
j.	Iodine	Assorted	Assorted	Available	
k.	Ethyl Alcohol	Assorted	Assorted	Available	
l.	Potassium Iodide	Assorted	Assorted	Available	
m.	Xylol/pure xylene (slide preparation)	Assorted	Assorted	Available	


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SCHEDULE IX-B (As per MSR 2024)

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		
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 miligram)	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						
28.	Wire mesh						
29.	Test tube holders						
30.	Reagent bottles						

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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			
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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