

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	1	As per MSR 2016 minimum essential requirements for Dravyaguna is required for college is fulfilled. The fulfillment of requirements for Dravyaguna departments as per MSE 2024 at present not applicable. **** Marked equipment are in purchase process
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	As per MSR 2016 minimum essential requirements for Dravyaguna is required for college is fulfilled. The fulfillment of requirements for Dravyaguna departments as per MSE 2024 at present not applicable. **** Marked equipment are in purchase process
5.	Microscope [binocular with eye piece (widefield), 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	5	
7.	Magnification lens with light	5	10	15	20	2	
8.	Dissection box	5	10	15	20	1 Electronic Balance	
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 visco meter	5	10	15	20	***	
16.	Pycno meter 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	10	
21.	Water bath (rectangular)	1	1	2	2	***	
22.	Ultra violet-cabinet	1	1	2	2	***	
23.	Desiccator	1	1	2	2	***	
Labwares							
24.	Dropper	Assorted				10	As per MSR 2016 minimum essential requirements for Dravyaguna is required for college is fulfilled. The fulfillment of requirements for Dravyaguna departments as per MSE 2024 at present not applicable. **** Marked equipment are in purchase process
25.	Needle					01 Box	
26.	Sharpraz or blades					***	
27.	Pipeclay triangles					***	
28.	Wiremesh					***	
29.	Test tube holders					15	
30.	Reagent bottles					12	
31.	Test tube stands					7	
32.	Tripod stand					15	
33.	Pair of tong					***	

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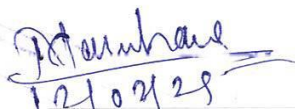
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Glassware and consumables				
34.	Test tubes	Assorted	200	As per MSR 2016 minimum essential requirements for Dravyaguna is required for college is fulfilled. The fulfillment of requirements for Dravyaguna department as per MSE 2024 at present not applicable. "****" Marked equipment are in purchase process
35.	Thin layer chromatography plates 20 x 20 cm (precoated)		***	
36.	Evaporating dish		***	
37.	Silicacrucible		***	
38.	Beakers two hundred millilitre		60	
39.	Glass rods		***	
40.	Conical flasks two hundred fifty millilitre		1	
41.	Glass funnels		***	
42.	Chemicals		***	
43.	Safranin		1	
44.	Light green		***	
45.	Sudanred-III		1	
46.	Glycerine		1	
47.	Dragendorff's reagent		1	
48.	Millon's reagent		1	
49.	Wagner's reagent		1	
50.	Benedict's solution		1	
51.	Fehling's solution		1	
52.	Iodine solution		1	
53.	Methanol		***	
54.	Distilled water		***	
55.	Ethanol		1	
56.	Hydrochloric acid		1	
57.	Sulphuric acid		1	
58.	Chloroform		1	
59.	Phloroglucinol		***	
60.	Acetic acid		***	
61.	Ferric chloride		1	
62.	Potassium iodide		1	
63.	Magnesium turnings		***	
64.	Ethyl acetate		1	
65.	Toluene		***	
66.	Silicagel GF-254		***	
67.	Blotting or filter papers		1	
68.	Microscopes lides and cover slips		170 Slides + 40 Cover Slips	


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