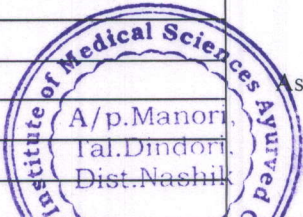


SCHEDULE IX-B (As per MSR 2024)

Minimum Essential Requirements for Department of Dravyaguna

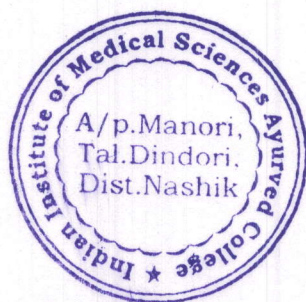
Serial number	Standard	Requirement as per intake capacity				Available Quantity	Deficiency
		60	100	150	200		
1.	Computer with internet	1	1	1	1	1	No
2.	Printer	1	1	1	1	1	No
3.	Electronic-Display (smart board or smart television or light emitting diodes display)	1	1	2	2	1	No
Dravyaguna Laboratory Museum 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	No
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	No
6.	Dissecting microscope	5	10	15	20	5	No
7.	Magnification lens with light	5	10	15	20	5	No
8.	Dissection box	5	10	15	20	5	No
9.	Digital weighing scale (upto 10 grams with accuracy 0.001 miligram)	2	3	4	5	2	No
10.	Digital weighing scale (10-100 grams with accuracy 0.001 gram)	2	3	4	5	2	No
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	No
12.	Hot air oven	1	1	2	2	1	No
13.	Muffle furnace	1	1	2	2	1	No
14.	Digital pH (per Hydrogen Ion Concentration) Meter	1	1	2	2	1	No
15.	Ostwald viscometer	5	10	15	20	5	No
16.	Pycnometer or specific gravity bottle	5	10	15	20	5	No
17.	Soxhlet's extraction apparatus	1	1	2	2	1	No
18.	Heating mantle (250, 500 and 1000 millilitre)	One each		Two each			
19.	Bunsen burner electric or gas burner	10	15	20	25	10	No
20.	Enamel trays	10	15	20	25	10	No
21.	Water bath (rectangular)	1	1	2	2	1	No
22.	Ultraviolet-cabinet	1	1	2	2	1	No
23.	Desiccator	1	1	2	2	1	No
Lab wares							
24.	Dropper	Assorted 				Available	No
25.	Needle					Available	No
26.	Sharp razor blades					Available	No
27.	Pipe clay triangles					Available	No
28.	Wire mesh					Available	No
29.	Test tube holders					Available	No
30.	Reagent bottles					Available	No


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31.	Test tube stands		Available	No
32.	Tripod stand		Available	No
33.	Pair of tong		Available	No
Glassware and consumables				
34.	Test tubes	Assorted	Available	No
35.	Thin layer chromatography plates 20x20cm (pre coated)		Available	No
36.	Evaporating dish		Available	No
37.	Silica crucible		Available	No
38.	Beakers two hundred millilitre		Available	No
39.	Glass rods		Available	No
40.	Conical flasks two hundred fifty millilitre		Available	No
41.	Glass funnels		Available	No
42.	Chemicals		Available	No
43.	Safranin		Available	No
44.	Light green		Available	No
45.	Sudan red- III		Available	No
46.	Glycerine		Available	No
47.	Dragendorff's reagent		Available	No
48.	Millon's reagent		Available	No
49.	Wagner's reagent		Available	No
50.	Benedict's solution		Available	No
51.	Fehling's solution		Available	No
52.	Iodine solution		Available	No
53.	Methanol		Available	No
54.	Distilled water		Available	No
55.	Ethanol		Available	No
56.	Hydrochloric acid		Available	No
57.	Sulphuric acid		Available	No
58.	Chloroform		Available	No
59.	Phloroglucinol		Available	No
60.	Acetic acid		Available	No
61.	Ferric chloride		Available	No
62.	Potassium iodide		Available	No
63.	Magnesium turnings		Available	No
64.	Ethyl acetate		Available	No
65.	Toluene		Available	No
66.	Silica gel GF-254		Available	No
67.	Blotting or filter papers		Available	No
68.	Microscope slides and cover slips		Available	No




Principal
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