

**M. S. Ayurvedic Medical College, Hospital & Research  
Institute, Gondia (MS)**

**INSTRUMENTS & EQUIPMENTS AT COLLEGE**

Sr. No.	Particulars	Available Quantity
<b>Sambhita, Siddhanta and Sanskrit</b>		
1.	Computer with Internet	1
2.	Printer	1
3.	Electronic-display (smart board or smart television or light emitting diodes display)	1
<b>Language lab</b>		
4.	Computer with internet	1
5.	Printer	1
6.	Electronic-display (smart board or smart television or light emitting diodes display)	1
<b>Kayachikitsa</b>		
7.	Computer with internet	1
8.	Printer	1
9.	Electronic-display (smart board or smart television or light emitting diodes display)	1
<b>Panchakarma</b>		
10.	Computer with internet	1
11.	Printer	1
12.	Electronic-Display (smart board or smart television or light emitting diodes display)	1
<b>Shalya Tantra</b>		
13.	Computer with internet	1
14.	Printer	1
15.	Electronic-Display (smart board or smart television or light emitting diodes display)	1
16.	Museum	<b>Available</b>
<b>Shalakyia Tantra</b>		
17.	Computer with internet	1
18.	Printer	1
19.	Electronic-Display (smart board or smart television or light emitting diodes display)	1
<b>Prasuti and Streeroga</b>		
20.	Computer with internet	1
21.	Printer	1
22.	Electronic-Display (smart board or smart television or light emitting diodes display)	1
<b>Kaumarabhritya</b>		
23.	Computer with internet	1
24.	Printer	1
25.	<b>Electronic-Display (smart board or smart television or light emitting diodes display)</b>	1

## Department of Rachana Sharir

1.	Computer with internet	1
2.	Printer	1
3.	Electronic-Display (smart board or smart television or light emitting diodes display)	1
<b>Dissection Hall</b>		
4.	Smart board or multimedia projector attached with e-dissection software	1
5.	Dissection demo station [(equipped with shadowless focus light, high resolution close circuit camera, dissection table (big)	1
6.	Dissection practice stations (equipped with smart television or smart boards connected to closed circuit camera of demo station, dissection table (big) and shadowless focus light facility)	4
7.	Dissection table (small)	6
8.	Articulated skeleton set (one set each for fifty students)	2
9.	Bone set (Dis- Articulated) (one set for each twenty students)	5
10.	Pro dissected parts (upper limb or lower limb thorax or abdomen or head or neck)	9
11.	Cadavers (50% relaxation in the required number of cadavers can be considered if a virtual dissection table is available)	4
12.	Mummified body (for demonstration of surface anatomy)	1
13.	Storage tank to hold cadavers, static or movable, durable tank with input and output facility with lid or cold storage unit	1
14.	Specimens (wet specimens)	150
15.	Plastinated specimens	15
16.	Brain section slices (sheet plastination)	10
17.	X- ray view box (portable)	10
18.	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
19.	Computer installed with e-dissection program connected to projector or smart board	1
20.	Embalming equipment	1
21.	3D virtual cadaver dissection table	--
22.	E- dissection (subscription of Atlas of human Anatomy or any other; dissection video compact discs)	Available
<b>Other Requirements and Consumables:</b>		
1.	Section machine, bone cutter, marble cutter (Body and skull cutting), Chisel, bone saw	Available
2.	Preservative Chemicals and other consumables	Available
3.	<b>Dissection instrument kit (scalpel, blades, toothed forceps, untoothed forceps, probe, magnifying lenses with light, hook or scissors)</b>	Available

## Department of Kriya Sharir

1.	Computer with Internet	1
2.	Printer	1
3.	Electronic-Display smart board or smart television or light emitting diodes (LED) display	1
<b>Sharira Kriya Laboratory</b>		
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
5.	Microscope (binocular with eyepiece (wide field), objectives (10x, 40x spring loaded, 100x oil immersion spring loaded built- in illumination)	10
6.	Westergren's pipette for erythrocyte sedimentation rate	50
7.	Haematocrit tube	50
8.	Sahil's haemoglobinometer	50
9.	Haemocytometer	50
10.	Electrocardiograph	2
11.	Digital spirometry	2
12.	Centrifuge machine with digital regulator	1
13.	Digital pH (per Hydrogen ion Concentration) meter	3
14.	Digital sphygmomanometer	10
15.	Stethoscopes	10
16.	Clinical thermometer (digital, non-contact)	15
17.	Knee hammer	15
18.	Tuning forks	15
19.	Digital weighing scale	10
20.	Measuring tape	15
21.	Height measurement scale	10
22.	Naadi recording equipment	10
23.	<b>Consumables kits, reagents, chemicals, microscope slides, cover slips, gloves, lancets etc.</b>	<b>Available</b>

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

Department of Rasashastra and Bhaishajya Kalpana		
1.	Computer with internet	1
2.	Printer	1
3.	Electronic-Display (Smart board or smart television or light emitting diodes display)	1
<b>Teaching pharmacy cum museum</b>		
4.	Khalva yantra – small	15
5.	Khalva yantra – medium	15
6.	Khalva yantra - porcelain (different sizes)	15
7.	Taptakhalva yantra	5
8.	Pounding apparatus (ulukhala yantra)	5
9.	Pestle and mortar glass	2
10.	Putas (different kind)	3
11.	Koshti with blower	4
12.	Moosha (crucibles)	30
13.	Dola yantra	1
14.	Valuka yantra	1
15.	Pithara yantra	1
16.	Bhudhara yantra	1
17.	Distillation apparatus and arka yantra	1
18.	Kupipakva bhatti	1
19.	Digital balance	1
20.	Bottle sealing machine (Manual / Automatic)	1
21.	Sealing machine	1
22.	Filling machine	1
23.	Distillation apparatus glass or Ark yantra one litre	2
24.	Wet grinder	1
25.	Mixer or grinder	1
26.	Juice extractor	1
27.	Ball mill (Stainless steel balls)(	Available
28.	Tincture press	1
29.	Refrigerator	1
30.	Amirah and racks for storage	Available
31.	Electronic balance of different capacities (up to 100 grms with accuracy 1.0 milligram, 100 -1000 grams with accuracy 1.0 gram, 1 kilogram and above)	3
32.	Gas stoves	1
33.	Hot plate	1
34.	Chulla (charcoal)	1
35.	Pulveriser (Lab Model)	1
36.	Granulator	1
37.	Hand operated tablet punching machine	1
38.	Tablet coating Pan unit with hot air blower laboratory size	1
39.	Tablet polishing pan laboratory size	1
40.	Dryer	1
41.	Homogenizer	1
42.	Pills making machine	Available
43.	End runner machine	Available
44.	Edge runner machine	Available
45.	Capsule filling machine	Available
46.	Double cone blender	Available
47.	Liquid filling machine	Available
48.	Planetary mixer (Lab Model)for ointment or cream	1
49.	Mechanised kharal- two or four arms	Available

50.	Chimney or air handling unit	Available
51.	Mohs hardness test kit	8
52.	Hot air oven	1
53.	Walkers steel yard (for specific gravity of minerals)	Available
54.	Automatic flask shaker	1
55.	Water bath	1
56.	Digital pH (per Hydrogen ion Concentration) meter	1
57.	Tablet hardness tester	1
58.	Muffle furnace (Horizontal) 12 inches x 12 inches x 18 inches digital x maximum temp 1250°C.	1
59.	Muffle furnace (Horizontal) (ash content tester) x digital display x maximum temp 900°C	1
60.	Vertical furnace - Kupa pack type (two bottles) X Digital X Maximum temp 900°C	1
61.	Non-contact infrared thermocouple K- type	1
62.	Thermocouple K-type	1
63.	Desiccator glass	Available
64.	Desiccator with vacuum	Available
65.	Vacuum pump	Available
66.	Collapsible tube – filling and sealing equipment	Available
67.	Brass vessel	Available
68.	Copper vessel	Available
69.	Steel vessel	Available
70.	Earthen vessels-pots	Available
71.	Porcelain crucible	Available
72.	Jars (porcelain) fermentation purpose	Available
73.	Enamel trays	Available
74.	Tray drier	Available
75.	Hand grinding mill	Available
76.	Pressure cooker	Available
77.	Mearuning equipement's different size (glass)	Available
78.	Pyrometer	Available
79.	Thermometer	Available
80.	Frying pan	Available
81.	Steel vessel	Available
82.	Spatula	Available
83.	Ladles and spoons	Available
84.	Knife	Available
85.	Plates	Available
86.	Samdamsa yantra (tongs)	Available
87.	Sieves (assorted numbers and size)	Available
88.	Kitchen aprons	Available
89.	Steel trays	Available
90.	Oven gloves	Available
91.	Kadahi – iron	Available
92.	Aluminium vessels	Available
93.	Clay graphite silver melting crucible maximum temp 1500°C	Available
94.	Crucible tongs 18 inches Stainless steel	Available
95.	Ointment spatula	Available
96.	Lipstick moulds	Available
97.	<b>Specimens of Rasashastra and Bhaishajya Kalpana related samples in suitable display containers</b>	Available

Department of Roganidana and Vikriti Vijnana		
1.	Computer with internet	1
2.	Printer	1
3.	Electronic-display (smart board or smart television or light emitting diodes display)	1
<b>Roganidana Laboratory</b>		
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
5.	Microscope (binocular with eyepiece (wide field), objectives (10x, 40x spring loaded, 100x oil immersion spring loaded), built-in illumination)	10
6.	Bio chemistry analyser	1
7.	Cell counter (haematology)	1
8.	Digital spirometry	1
9.	Electrocardiogram	4
10.	Enzyme linked immune-sorbant assay reader	1
11.	X-ray view box	2
12.	Blood pressure apparatus- non mercury	Available
13.	Stethoscope	Available
14.	Clinical thermometer	Available
15.	Tongue depressor	Available
16.	Knee hammer	Available
17.	Measuring tape	Available
18.	Ear nose throat examination set	Available
19.	Weighing scale	Available
20.	Tuning forks	Available
21.	Nasal speculum	Available
22.	Laryngoscope	Available
<b>Consumables</b>		
23.	Hepatitis-B antigen kit	Available
24.	Human immunodeficiency virus kit-Tridot	Available
25.	Clotting time and Bleeding time kit	Available
26.	Renal profile, Liver function test kit, lipid profile, blood sugar kit, electrolytes	Available
27.	Sterile disposable lancet or needle	Available
28.	Glass rods	Available
29.	Syringe needle destroyer	Available
30.	Cover slip	Available
31.	<b>Microscopic slides</b>	<b>Available</b>

Department of Agada Tantra		
1.	Computer with internet	1
2.	Printer	1
3.	Electronic-display (smart board or smart television or light emitting diodes display)	1
Agada Laboratory cum Museum		
4.	Beakers-fifty millilitre	Available
5.	Test Tubes-ten millilitre	Available
6.	Test tube holders	Available
7.	Gas or electric burner	Available
8.	Petri-dish	Available
9.	Stirrer	Available
10.	Red litmus paper	Available
Chemicals		
11.	Hydrochloric acid	Available
12.	Sulphuric acid	Available
13.	Iodine solution (aqueous)	Available
14.	Absolute alcohol	Available
Specimens		
15.	Weapons	Available
16.	Poisons snakes	Available
17.	Non-poisons snakes	Available
18.	<b>Poisons herbs and minerals</b>	Available

## Swasthavritta Department

1.	Computer with internet	1
2.	Printer	1
3.	<b>Electronic-display (smart board or smart television or light emitting diodes display)</b>	1

YOGYA clinical skill laboratory		
1.	Computer, internet with printer	1
Basic Simulators common to all departments		
2.	BLS (Basic Life Support)	3
	ALS (Advance Life Support)	3
First Professional Subjects		
Kriya Shaira		
3.	Chest auscultation trainer (Basic)	3
4.	ECG (electro cardio gram) trainer	3
Second professional subjects		
Roganidana		
5.	Nursing trainer for decubitus	2
6.	Chest auscultation trainer (advance)	1
7.	Spirometry	3
8.	Blood sampling trainer	3
Agadatantra		
9.	Documentation and certification of trauma	5
10.	Diagnosis and certification of death	5
11.	Legal documentation related to emergency cases	5
12.	Certification of medico legal cases (for example- age estimation, sexual assault)	5
13.	Establishing communication in medico legal cases with police, public health authorities, other concerned departments	5
14.	Stomach wash trainer	2
Third professional subjects		
Kayachikitsa		
15.	Cardiopulmonary resuscitation trainer	3
16.	Flatus tube insertion and Enema trainer (same to be used for basti administration)	3
17.	Injections (intra-muscular, intra-venous, intra-dermal, subcutaneous, intra- arterial, intra-articular and intra-cardiac)	5
18.	Aerosol therapy or nebulization	3
19.	Setting up intra-venous infusion and calculation of drip rate – basic life support	3
20.	Oxygen therapy	3
21.	Abdominal examination simulator	2
Shalya Tantra		
22.	Ryle's tube insertion trainer	2
23.	Pleural and ascitic aspiration trainer	2
24.	Flatus tube insertion to be used for per rectal matra basti	2
25.	Early management of trauma and trauma life support	1
26.	Blood transfusion	1
27.	Urinary catheterization – male (same to be used for uttara basti)	3
28.	Urinary catheterization – female (same to be used for intra vesicle uttara basti)	3
29.	Cautery – chemical and thermal or electrical	3

30.	Basic incision and suture trainer	5
31.	Basic wound care	2
32.	Basic bandaging including compression bandage	1
33.	Incision and drainage trainer	5
34.	Basic fracture and dislocation management trainer	1
35.	Examination of breast lump	3
36.	Examination of swelling	5
37.	Per-rectal and Prostate examination trainer	1
Prasuti and Streeroga		
38.	Per speculum and per vaginal examination trainer	1
39.	Intra uterine contraceptive device insertion and removal trainer	5
40.	Episiotomy trainer	3
41.	Normal labour and delivery (including partogram)	1
42.	Intra uterine insemination trainer (same to be used for intra uterine utara basti)	3
43.	Obstetric examination trainer	1
44.	Visual inspection of cervix	5
Shalakyta Tantra		
45.	Otoscopy	3
46.	Visual acuity testing	5
47.	Digital tonometry	2
48.	Epilation	3
49.	Eye irrigation	5
50.	Instillation of eye medication	5
51.	Ocular bandaging	2
52.	Anterior and posterior nasal packing trainer	1
53.	Foreign body removal training	1
Kaumarabhritya		
54.	Exchange transfusion	1
55.	Neonatal resuscitation	3
56.	Umbilical cord catheterization	1
57.	Setting up paediatric intra-venous infusion and calculating drip rate	3
58.	Paediatric injection trainer	3
Panchakarma		
59.	Enema trainer for basti administration	3
60.	<b>Catheterization (male and female) for utara basti</b>	<b>5</b>



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