

DEPARTMENTWISE INSTRUMENTS AND EQUIPMENTS LIST AS PER MSR

(A). DETAILS OF EQUIPMENTS AND INSTRUMENTS REQUIRED FOR PHYSIOLOGY LABORATORY
YEAR 2024 - 2025

Faculty: Ayurved

Name of College: MATOSHRI AYURVED COLLEGE,EKLAHARE,NASHIK College Code: NCISM-AYU0647,MUHS-123121

Sr.No	Equipment and Instruments	Up to Sixty intake capacity	Sixty-one to Hundred intake capacity	Details on College Website	Adequate/ Inadequate
Essential					
1	Microscopes with oil immersion	Thirty	Fifty	40	Adequate
2	Westergen's pipette for ESR	Sixty	Hundred	74	Adequate
3	Haematocrit Tube	Sixty	Hundred	60	Adequate
4	Sahli's Haemoglobinometer	Sixty	Hundred	60	Adequate
5	Haemocytometer	Sixty	Hundred	60	Adequate
6	Electrocardiograph	One	One	1	Adequate
7	Stop watches	Sixty	Hundred	60	Adequate
8	Water Distillation still	One	One	1	Adequate
9	Balances	One	One	1	Adequate
10	Centrifuge with speed control	Three	Six	3	Adequate
11	Colorimeter (photoelectric)	Three	Six	3	Adequate
12	pH meter Electric	One	One	1	Adequate
13	pH comparator with disc	One	One	1	Adequate
14	Sphygmomanometer	Thirty	Fifty	36	Adequate
15	Stethoscopes	Sixty	Hundred	64	Adequate
16	Clinical Thermometer	Sixty	Hundred	60	Adequate
17	Knee Hammer	Sixty	Hundred	62	Adequate
18	Tuning forks	Sixty	Hundred	61	Adequate
19	Sterilizer	Five	Five	5	Adequate
General					
20.	Refrigerator	One	One	1	Adequate
21.	Newton's colour wheel	One	One	1	Adequate
Miscellaneous					

(B) DETAILS OF EQUIPMENT AND INSTRUMENTS REQUIRED FOR DISSECTION HALL

S. No.	Instruments and Equipments	Up to Sixty intake capacity	Sixty-one to Hundred intake capacity	Details on College Website	Adequate or Inadequate
Essential					
1.	Tank with a capacity to preserve 2-4 bodies.		Assorted	One	Adequate
2.	Machines for bones and brain sectioning		Assorted	One	Adequate
3.	Dissection Sets	Fifteen Sets		Fifteen Sets	Adequate
4.	Dissecting Table		Twenty-five sets		Adequate
a)	Full size with steel top or marble top stainless	Four		Four	Adequate
b)	Half size with steel top or marble top stainless	Eight		Eight	Adequate
General					
5.	X-ray viewing box or panels	Three		Three	Adequate
Miscellaneous					
6.	Bone cutter of the number $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$ - fine pointed Chisel bone dissector		Assorted	Two sets	Adequate
7.	Glass jars of different sizes		Assorted	Small-50, big-50	Adequate
8.	Preservative Chemicals		Assorted	Formaline-50 lit, Glycerine-5 lit.	Adequate



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(C) DETAILS OF EQUIPMENT AND INSTRUMENTS REQUIRED FOR RASASHASTRA AND BHAISHAJYA KALPANA LABORATORY

Sr. No.	Equipment and Instruments	Up to Sixty intake capacity	Sixty-one to Hundred intake capacity	Details on College Website	Adequate / Inadequate
Essential					
1.	Khalva Yantra-				
a)	Small	Ten	Twenty	Ten	Adequate
c)	Medium	Ten	Twenty	Ten	Adequate
c)	Porcelain	Ten	Twenty	Ten	Adequate
d)	Taptakhalvyantra	Two	Four	Two	Adequate
2.	Pounding Apparatus (Ulukhala Yantra)	Ten	Twenty	Ten	Adequate
3.	Putas (Different kind)	Five	Ten	Five	Adequate
4.	Moosha (Crucibles)	Thirty	Fifty	Thirty	Adequate
5.	Koshthi with Blower	Two	Four	Two	Adequate
6.	Yantras				
a)	Dola Yantra	One	One	One	Adequate
b)	Valuka Yantra	One	One	One	Adequate
c)	Pithara Yantra	One	One	One	Adequate
d)	Bhudhara Yantra etc.	One	One	One	Adequate
7.	Distillation Apparatus and Arka Yantra	Three	Six	Six	Adequate
8.	Kupipakva Bhatti	One	One	One	Adequate
General					
9.	Wet Grinder	One	One	One	Adequate
10.	Mixi	One	One	One	Adequate
11.	Juice Extractor	One	One	One	Adequate
12.	Refrigerator	One	One	One	Adequate
13.	Almiras and Racks for storage	Assorted		Available	Adequate
14.	Balance (Different Capacities)				
a)	Physical	One	One	One	Adequate
b)	Chemical	One	One	One	Adequate
c)	Electronic Balance	One	One	One	Adequate
15.	Heating Device-				
a)	Gas Stove	Assorted		Available	Adequate
b)	Hot plate	Assorted		Available	Adequate
c)	Chulla (Charcoal)	Assorted		Available	Adequate
16.	Big Vessels and Containers-				
a)	Brass	Assorted		Available	Adequate

b)	Copper	Assorted		Available	Adequate
c)	Steel etc.	Assorted		Available	Adequate
d)	Earthen Vessels-Pots	Assorted		Available	Adequate
Miscellaneous					
17.	Jars(Porcelain)	Assorted		Available	Adequate
18.	Enamel Trays	Assorted		Available	Adequate
19.	Spirit Lamp	Assorted		Available	Adequate
20.	Pressure Cooker	Assorted		Available	Adequate
21.	Measuring Equipments Different Size (Glass)	Assorted		Available	Adequate
22.	Pyrometer	Assorted		Available	Adequate
23.	Thermo meter	Assorted		Available	Adequate
24.	Vessels	Assorted		Available	Adequate
a)	Frying Pan	Assorted		Available	Adequate
b)	Steel Vessel	Assorted		Available	Adequate
c)	Spatula	Assorted		Available	Adequate
d)	Ladles and Spoons	Assorted		Available	Adequate
e)	Knife	Assorted		Available	Adequate
f)	Plates	Assorted		Available	Adequate
g)	Samdamsa Yantra(Tongs)	Assorted		Available	Adequate
25.	Sieves (Assorted Nos. and Size)	Assorted		Available	Adequate



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(D) DETAILS OF EQUIPMENTS AND INSTRUMENTS REQUIRED FOR PHARMACOGNOSY LABORATORY [DRAVYAGUNA]

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


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(E) DETAILS OF EQUIPMENT AND INSTRUMENTS REQUIRED FOR ROGVIGYAN LABORATORY

S.No.	Equipment and Instruments	Essential		Sixty-one to Hundred intake capacity	Details on College Website	Adequate/ Inadequate
		Up to Sixty intake capacity	Sixty to Hundred intake capacity			
1.	Binocular microscope	Fifteen	Twenty five	Fifteen	Adequate	
2.	Microscope with oil immersion	Fifteen	Twenty five	Fifteen	Adequate	
3.	Monocular microscope with oil emersion lens20(e)	Fifteen	Twenty five	Fifteen	Adequate	
4.	X-ray view box	One	One	One	Adequate	
5.	Sahli's Square tube	Thirty	Fifty	Thirty	Adequate	
6.	Hb pipette	Thirty	Fifty	Thirty	Adequate	
7.	WBC Pipette	Thirty	Fifty	Thirty	Adequate	
8.	Dropper	Thirty	Fifty	Thirty	Adequate	
9.	Red cell pipette	Thirty	Fifty	Thirty	Adequate	
10.	Improved Neubauer chamber	Thirty	Fifty	Thirty	Adequate	
11.	Incubator	One	Two	One	Adequate	
12.	Wintrobe's tube	Thirty	Fifty	Thirty	Adequate	
13.	Pasteur's pipette	Thirty	Fifty	Thirty	Adequate	
14.	Centrifuge Graduated Machine	One	Two	One	Adequate	
15.	Westergrens pipette	Thirty	Fifty	Thirty	Adequate	
16.	Westergrens's stand	Thirty	Fifty	Thirty	Adequate	
17.	Urinometer	Thirty	Fifty	Thirty	Adequate	
18.	Autoclave	One	One	One	Adequate	
19.	Ultraviolet lamp	One	One	One	Adequate	
20.	Cell counter (haemoautoanalyser)	One	One	One	Adequate	
21.	BP Apparatus	Thirty	Fifty	Thirty	Adequate	
22.	Stethoscope	Thirty	Fifty	Thirty	Adequate	
23.	Thermometer	Thirty	Fifty	Thirty	Adequate	
24.	Tongue depressor	Thirty	Fifty	Thirty	Adequate	
25.	Stop watch	Thirty	Fifty	Thirty	Adequate	
General						
26.	Physical balance	One	One	One	Adequate	
27.	Hot air oven	One	One	One	Adequate	
28.	Bunsen burner	Thirty	Fifty	Thirty	Adequate	
29.	Refrigerator	One	One	One	Adequate	

30.	Sterile vessels/bottle to collect samples	Assorted	Assorted	Available	Adequate
31.	Torch	Assorted	Assorted	Available	Adequate
32.	Knee hammer	Assorted	Assorted	Available	Adequate
33.	Measuring Tape	Assorted	Assorted	Available	Adequate
34.	ENT examination set	Assorted	Assorted	Available	Adequate
35.	Reflectors(Mirrors)	Assorted	Assorted	Available	Adequate
36.	Weighing machine	One	One	Available	Adequate
37.	Tuning Forks	Assorted	Assorted	Available	Adequate
38.	Nasal speculum	Assorted	Assorted	Available	Adequate
39.	Laryngoscope	Assorted	Assorted	Available	Adequate
40.	Catheters	Assorted	Assorted	Available	Adequate
41.	Probes	Assorted	Assorted	Available	Adequate
42.	HBs Ag kit	Assorted	Assorted	Available	Adequate
43.	HIV kit - Tridot (method by T Mitra)	Assorted	Assorted	Available	Adequate
44.	CT and BT kit	Assorted	Assorted	Available	Adequate
45.	Renal profile, LET kit, Lipid profile, Blood, Sugar kit	Assorted	Assorted	Available	Adequate
46.	Sterile disposable lacer/needle	Assorted	Assorted	Available	Adequate
47.	Glass rod	Assorted	Assorted	Available	Adequate
48.	Syringe needle destroyer	Assorted	Assorted	Available	Adequate
49.	Cover slip	Assorted	Assorted	Available	Adequate
50.	Cleaned slides	Assorted	Assorted	Available	Adequate
51.	Litmus paper	Assorted	Assorted	Available	Adequate
52.	pH indicator paper strips	Assorted	Assorted	Available	Adequate
53.	Test tube	Assorted	Assorted	Available	Adequate
54.	Separating funnels of various sizes	Assorted	Assorted	Available	Adequate
55.	Glass Jars with lid of different sizes	Assorted	Assorted	Available	Adequate
56.	Capillary Tubes	Assorted	Assorted	Available	Adequate
57.	Rubber sheat	Assorted	Assorted	Available	Adequate
58.	Magnifying lens	Assorted	Assorted	Available	Adequate
59.	Water bath	Assorted	Assorted	Available	Adequate
60.	Multi stix	Assorted	Assorted	Available	Adequate



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(F) DETAILS OF EQUIPMENT AND INSTRUMENTS REQUIRED FOR LABOURROOM

S.No.	Equipment and Instruments	Required Quantity	Details on College Website	Adequate/ Inadequate
	Essential			
1.	Shadowless Lamp	One	One	Adequate
2.	Suction Machine (Neonatal)	One	One	Adequate
3.	Oxygen Cylinder and Mask	One	One	Adequate
4.	Foetal Toco Cardiograph	One	One	Adequate
5.	Radiant Warmer	One	One	Adequate
6.	Photo therapy Unit	One	One	Adequate
7.	Weighing Machine (Paediatric)	One	One	Adequate
8.	Patient trolley	Two	Two	Adequate
9.	Anaesthesia trolley	One	One	Adequate
10.	Infantometer	One	One	Adequate
11.	Vacuum extractor	One	One	Adequate
12.	Foetal Doppler	One	One	Adequate
13.	Low cavity forceps	Two	Two	Adequate
14.	Steriliser	Two	Two	Adequate
15.	Machintosh rubber sheet	Assorted	Available	Adequate
16.	Instruments for labour and Episiotomy. (Scissors, forceps, needle holders etc.)	Assorted	Available	Adequate
17.	Baby tray	Two	Two	Adequate
18.	Nebuliser	One	One	Adequate
19.	Foetoscope	Five	Five	Adequate
20.	Auto Clave	One	One	Adequate
21.	Drums	Assorted	Available	Adequate
22.	Instrumental Trolley	Assorted	Available	Adequate
23.	OT tables and head Up and head Low facility	One	One	Adequate
24.	Pulse Oximeter	One	One	Adequate
25.	Resuscitation kit	One	One	Adequate
26.	Boyle's apparatus	One	One	Adequate
27.	Electrocautery	One	One	Adequate
28.	MTP Suction Machine	One	One	Adequate
29.	Anaesthesia Kit	One	One	Adequate
30.	Blunt and Sharp Curettes	Ten	Ten	Adequate
31.	Dilators set (Hegar's, Hawkins)	Five	Five	Adequate

32.	Sims's Speculum		Five	Five	Adequate
33.	Cusco's Speculum		Five	Five	Adequate
34.	Anterior Vaginal Wall retractor		Five	Five	Adequate
35.	Uterine sound		Five	Five	Adequate
36.	Volsellum		Five	Five	Adequate
37.	MTP Suction Currate		Five	Five	Adequate
38.	Retractors abdominal (Doyne's etc.)		Five	Five	Adequate
39.	Sponge holding forceps		Five	Five	Adequate
40.	Green armytage forceps		Five	Five	Adequate
41.	Uterus holding forceps		Five	Five	Adequate
42.	Kocher's forceps		Five	Five	Adequate
43.	Artery forceps (Long, short, Mosquito)Each		Five	Five	Adequate
44.	Scissors- different sizes		Five	Five	Adequate
45.	Forceps obstetrics		Five	Five	Adequate
46.	Endotrachial tubes		Five	Five	Adequate
47.	Cord Cutting appliances		Five	Five	Adequate
48.	I.U.C.D. removing hook		Five	Five	Adequate
49.	Bladder Sound		Five	Five	Adequate
50.	B.P. apparatus		Two	Two	Adequate
Miscellaneous					
51.	HIV kit for emergency patients		Assorted	Assorted	Adequate
52.	Plain and Hole towels		Assorted	Assorted	Adequate
53.	Towel Clips		Assorted	Assorted	Adequate
54.	Catguts and Thread		Assorted	Assorted	Adequate
55.	Needles		Assorted	Assorted	Adequate
56.	Needle holders		Assorted	Assorted	Adequate



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(G) DETAILS OF EQUIPMENT AND INSTRUMENTS REQUIRED FOR OPERATION THEATRE

S.No.	Equipment and Instruments	Required Quantity	Details on College Website	Adequate/ Inadequate
I	Shalya:			
	Essential			
1.	Spot light (Shadow less ceiling fitted)	One	One	Adequate
2.	Needle holding Forceps (big- medium-small)	Assorted	Available	Adequate
3.	Dressing drums of Assorted size	Assorted	Available	Adequate
4.	Drum stand	Assorted	Available	Adequate
5.	IV Stand	Two	Two	Adequate
6.	Cheatesles Forceps	Four	Four	Adequate
7.	Mosquito forceps	Four	Four	Adequate
8.	Scissors straight (Tailor)	Four	Four	Adequate
9.	Scissors curved of different sizes	Five each	Five each	Adequate
10.	Stitch removal scissors	Five each	Five each	Adequate
11.	Dissection forceps	Four	Four	Adequate
12.	Sinus Forceps	Four	Four	Adequate
13.	Probes - Assorted size	Five each	Five each	Adequate
14.	Pointed scissors	Four	Four	Adequate
15.	Abdominal Retractors	Five	Five	Adequate
16.	Tissue Forceps	Five	Five	Adequate
17.	Bob Kock's Forceps	Five	Five	Adequate
18.	Kocher's Forceps	Five	Five	Adequate
19.	Urethral Dilators	Five each	Five each	Adequate
20.	Metal Catheters	Five each	Five each	Adequate
21.	Sponge holding forceps	Four	Four	Adequate
22.	Right Angle cholecystectomy Forceps	Four	Four	Adequate
23.	Stone holding forceps	Four	Four	Adequate
24.	Allies Forceps small	Four	Four	Adequate
25.	Allies Forceps Big	Four	Four	Adequate
26.	Artery Forceps small	Four	Four	Adequate
27.	Artery Forceps big	Four	Four	Adequate
28.	Artery Forceps Medium	Four	Four	Adequate
29.	Sigmoidoscope Rigid/flexible	One	One	Adequate
30.	Barron Pile's Gun	Two	Two	Adequate
31.	Laryngoscope Pediatric/Adult	One	One	Adequate
32.	Boyles Apparatus	One	One	Adequate
33.	Multi-parameter Monitor	One	One	Adequate

34.	Ambu Bag	Two	Two	Adequate
35.	Suction machine Electrical or Manual	One	One	Adequate
36.	Skin grafting knife with handle	Assorted	Assorted	Adequate
37.	Surgical blades of different size	Assorted	Assorted	Adequate
38.	Self-Retaining Retractor	Assorted	Assorted	Adequate
39.	Bone cutter	Two	Two	Adequate
40.	Gigli Saw	Two	Two	Adequate
41.	Scoop	Assorted	Assorted	Adequate
42.	Periosteum elevator	Two	Two	Adequate
43.	Maggles Forceps	Assorted	Assorted	Adequate
44.	High Pressure Autoclave	One	One	Adequate
45.	Nitrous Oxide Cylinder	One	One	Adequate
46.	Hydrolic Operation Table	One	One	Adequate
47.	Boyle's Apparatus	One	One	Adequate
48.	Instrument Trolley	Assorted	Assorted	Adequate
49.	Endotracheal Tube	Assorted	Assorted	Adequate
50.	Proctoscope with or without illumination	Two	Two	Adequate
51.	Gabrial Syringe	One	One	Adequate
52.	Strecher with trolley	Two	Two	Adequate
53.	Suction Machine	Assorted	Assorted	Adequate
General				
54.	Emergency power back up facility	Assorted	Assorted	Adequate
55.	Emergency light	Four	Four	Adequate
56.	Fire Extinguisher	Two	Two	Adequate
57.	BP Apparatus	Assorted	Assorted	Adequate
58.	Fumigator	One	One	Adequate
59.	Refrigerator	One	One	Adequate
60.	X-ray View Box (double)	Two	Two	Adequate
61.	Revolving Stool	Assorted	Assorted	Adequate
62.	Vertical BP Instrument	One	One	Adequate
63.	Rubber catheters of Assorted size	Assorted	Assorted	Adequate
Miscellaneous				
64.	Corrugated rubber drain	Assorted	Assorted	Adequate
65.	Suturing Needle (straight/curved) of Assorted size	Assorted	Assorted	Adequate
66.	Surgical Thread	Assorted	Assorted	Adequate
67.	BP Handle of different size	Assorted	Assorted	Adequate
68.	Needle holder	Assorted	Assorted	Adequate
II	Shalaky: Ophthalmic Equipment or Instruments for Operative Surgery			

(H) DETAILS OF EQUIPMENT AND INSTRUMENTS REQUIRED FOR OUT PATIENT DEPARTMENT

S. No.	Name of Out Patient Department	Article required as per norms of CCIM	Required Quantity	Details on College Website	Adequate/ Inadequate
1	Kayachikitsa	Essential			
		X-Ray View Box	One	1	Adequate
		BP Apparatus	Two	2	Adequate
		Stethoscope	Four	4	Adequate
		Torch	Two	2	Adequate
		Examination Table	One	1	Adequate
		Thermometer	Four	4	Adequate
		Tongue depressor	Five	5	Adequate
		Weight and height measuring stand	One	1	Adequate
		Measuring tape	One	1	Adequate
		Knee Hammer	Two	2	Adequate
		Miscellaneous			
		Gloves	Assorted	Available	Adequate
2	Shalya	Essential			
		X-Ray Viewing Box	One	1	Adequate
		Stethoscope	Four	4	Adequate
		Instruments for ano-rectal examination	Two Sets	2 sets	Adequate
		Examination Table	One	1	Adequate
		BP Apparatus	Two	2	Adequate
		Thermometer	Four	4	Adequate
		Torch	Assorted	Available	Adequate
		Cheattle forceps	Assorted	Available	Adequate
		General			
		Minor OT	Assorted	Available	Adequate
		Miscellaneous			
		Surgical Blades	Assorted	Available	Adequate
3	Shalakyā	Essential			
		Tuning forks	Assorted	Available	Adequate
		Ophthalmoscope/ fundoscope	Two	2	Adequate
		Auroscope	Two	2	Adequate
		Examination Table	One	1	Adequate
		X-Ray Viewing Box	One	1	Adequate
		BP Apparatus	Two	2	Adequate
		Stethoscope	Four	4	Adequate
		Thermometer	Four	4	Adequate
		ENT kit	Assorted	Available	Adequate
		Torch	Two	2	Adequate

4	Prasuti and Stri Roga	Essential			Adequate
		Weighing machine	One	1	Adequate
		Sims's speculum	Two	2	Adequate
		Thermometer	Four	4	Adequate
		Cusco's speculum	Two	2	Adequate
		Examination Table	One	1	Adequate
		Lamp stand	One	1	Adequate
		Torch	Two	2	Adequate
		X-Ray Viewing Box	One	1	Adequate
		BP Apparatus	Two	2	Adequate
		Stethoscope	Four	4	Adequate
		Measuring tape	Two	2	Adequate
5	Bal Roga	Essential			Adequate
		Scale	One	1	Adequate
		Weighing machine	One	1	Adequate
		Torch	Two	2	Adequate
		X-Ray View Box	One	1	Adequate
		Thermometer	Four	4	Adequate
		BP Apparatus with Pediatric cuff	Two	2	Adequate
		Stethoscope	Assorted	Available	Adequate
		Examination Table	Assorted	Available	Adequate
6	Panchkarma	As per Kayachikitsa			Adequate
7	Yoga Section (Swasth Rakshhan)	Facilities available (Equipment, Instrument, Furniture etc)	Assorted	Available	Adequate
8	Emergency	Facilities available (Equipment, Instrument, Furniture etc)	Assorted	Available	Adequate


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