



SWAMI VIVEKANAND AYURVED MEDICAL COLLEGE AND REASEARCH CENTER

A/P- Pargaon Sudrik Tal- Shrigonda Dist- Ahmednagar

EQUIPMENT AND INSTRUMENTS

ANNEXURE — V

(A). DETAILS OF EQUIPMENT AND INSTRUMENTS REQUIRED FOR PHYSIOLOGY LABORATORY		
S. No.	Equipment and Instruments	Avaleble
Essential		
1	Microscopes with oil immersion	Thirty
2	Westergen's pipette for ESR	Sixty
3	Haematocrit Tube	Sixty
4	Sahli's Haemoglobinometer	Sixty
5	Haemocytometer	Sixty
6	Electrocardiograph	One
7	Stop watches	Sixty
8	Water Distillation still	One
9	Balances	One
10	Centrifuge with speed control	Three
11	Colorimeter (photoelectric)	Three
12	pH meter Electric	One
13	pH comparator with disc	One
14	Sphygmomanometer	Thirty
15	Stethoscopes	Sixty
16	Clinical Thermometer	Sixty
17	Knee Hammer	Sixty
18	Tuning forks	Sixty
19	Sterilizer	Five
General		
20	Refrigerator	One
21	Newton's colour wheelIn a batch	One
Miscellaneous		
22	Cover slips, glassware, Microslides	Assorted



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SWAMI VIVEKANAND AYURVED MEDICAL COLLEGE AND RESEARCH CENTER
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EQUIPMENT AND INSTRUMENTS
ANNEXURE — V

(B). DETAILS OF EQUIPMENT AND INSTRUMENTS REQUIRED FOR DISSECTION HALL		
S. No.	Instruments and Equipments	Up to Sixty intake capacity
Essential		
1	Tank with a capacity to preserve 2-4 bodies.	Assorted
2	Machines for bones and brain sectioning	Assorted
3	Dissection Sets	Fifteen Sets
4	Dissecting Table	
a)	Full size with steel top or marble top stainless	One
b)	Half size with steel top or marble top stainless	One
General		
5	X-ray viewing box or panels	Three
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
7	Glass jars of different sizes	Assorted
8	Preservative Chemicals	Assorted



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स्वामी विवेकानंद आयुर्वेद महाविद्यालय
पारगाव सु.॥, ता. श्रीगोंदा



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EQUIPMENT AND INSTRUMENTS

ANNEXURE — V

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

S.No.	Equipment and Instruments	Up to Sixty intake capacity
Essential		
1	Khalva Yantra-	
a)	Small	Ten
b)	Medium	Ten
c)	Porcelain	Ten
d)	Taptakhalvyantra	Two
2	Pounding Apparatus (Ulukhala Yantra)	Ten
3	Putas (Different kind)	Five
4	Moosha (Crucibles)	Thirty
5	Koshti with Blower	Two
6	Yantras	
a)	Dola Yantra	One
b)	Valuka Yantra	One
c)	Pithara Yantra	One
d)	Bhudhara Yantra etc.	One
7	Distillation Apparatus and Arka Yantra	Three
8	Kupipakva Bhatti	One
General		
9	Wet Grinder	One
10	Mixi	One
11	Juice Extractor	One
12	Refrigerator	One
13	Almiras and Racks for storage	Assorted
14	Balance (Different Capacities)	
a)	Physical	One
b)	Chemical	One
c)	Electronic Balance	One
15	Heating Device-	
a)	Gas Stove	Assorted
b)	Hot plate	Assorted
c)	Chulla (Charcoal)	Assorted
16	Big Vessels and Containers-	
a)	Brass	Available
b)	Copper	Available
c)	Steel etc.	Assorted
d)	Earthen Vessels-Pots	Assorted
Miscellaneous		
17	Jars(Porcelain) Fermentation Purpose	Assorted
18	Enamel Trays	Assorted
19	Spirit Lamp	Assorted
20	Pressure Cooker	Assorted
21	Measuring Equipments Different Size (Glass)	Assorted

22	Pyrometer	Assorted
23	Thermo meter	Assorted
24	Vessels	
a)	Frying Pan	Assorted
b)	Steel Vessel	Assorted
c)	Spatula	Assorted
d)	Ladles and Spoons	Assorted
e)	Knife	Assorted
f)	Plates	Assorted
g)	Samdamsa Yantra(Tongs)	Assorted
25	Sieves (Assorted Nos. and Size)	Assorted



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स्वामी विवेकानंद आयुर्वेद महाविद्यालय
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EQUIPMENT AND INSTRUMENTS
ANNEXURE — V

(D) DETAILS OF EQUIPMENT AND INSTRUMENTS REQUIRED FOR PHARMACOGNOSY LABORATORY [DRAVYAGUNA]		
S.No.	Equipment and Instruments	Up to Sixty intake capacity
Essential		
1	Field magnifier	One
2	Compound microscope	One
3	Dissecting Microscope	One
4	Microscope	Fifteen
5	Electronic balance	One
Miscellaneous		
6	Slides box with cover slips,	Available
7	Blotting/filter papers	Available
8	Dissection Box	Assorted
9	Enamel Trays	Assorted
10	Reagents-	
a.	Chloroform	Available
b.	Alcohol.	Available
c.	HCL	Available
d.	Sulphuric acid	Available
e.	Sodium, potassium hydroxide	Available
f.	Benedict solution	Available
g.	Sodium nitrate	Available
h.	Potassium nitrate	Available
i.	Citric acid	Assorted
j.	Iodine	Available
k.	Ethyl Alcohol	Assorted
l.	Potassium Iodide	Assorted
m.	Xylol/pure xylene (slide preparation)	Assorted



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पारगाव सु.॥, ता. श्रीगोंदा



SWAMI VIVEKANAND AYURVED MEDICAL COLLEGE AND REASEARCH CENTER
A/P- Pargaon Sudrik Tal- Shrigonda Dist- Ahmednagar

EQUIPMENT AND INSTRUMENTS

ANNEXURE — V

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

S.No.	Equipment and Instruments	Up to Sixty intake capacity
Essential		
1	Binocular microscope	Fifteen
2	Microscope with oil immersion	Fifteen
3	Monocular microscope with oil emersion lens20(e)	Fifteen
4	X-ray view box	One
5	Sahli's Square tube	Thirty
6	Hb pipette	Thirty
7	WBC Pipette	Thirty
8	Dropper	Thirty
9	Red cell pipette	Thirty
10	Improved Neubauer chamber	Thirty
11	Incubator	One
12	Wintrobe's tube	Thirty
13	Pasteur's pipette	Thirty
14	Centrifuge Graduated Machine	One
15	Westregrens pipette	Thirty
16	Westergrens's stand	Thirty
17	Urinometer	Thirty
18	Autoclave	One
19	Ultraviolet lamp	One
20	Cell counter (haemoautoanalyser)	One
21	BP Apparatus	Thirty
22	Stethoscope	Thirty
23	Thermometer	Thirty
24	Tongue depressor	Thirty
25	Stop watch	Thirty
General		
26	Physical balance	One
27	Hot air oven	One
28	Bunsen burner	Thirty
29	Refrigerator	One
Miscellaneous		
30	Sterile vessels/bottle to collect samples	Assorted
31	Torch	Assorted
32	Knee hammer	Assorted
33	Measuring Tape	Assorted
34	ENT examination set	Assorted
35	Reflectors(Mirrors)	Assorted
36	Weighing machine	One
37	Tuning Forks	Assorted
38	Nasal speculum	Assorted

39	Laryngoscope	Assorted
40	Catheters	Assorted
41	Probes	Assorted
42	HBs Ag kit	Assorted
43	HIV kit - Tridot (method by T Mitra)	Assorted
44	CT and BT kit	Assorted
45	Renal profile, LET kit, Lipid profile, Blood	Assorted
	Sugar kit	
46	Sterile disposable lancer/needle	Assorted
47	Glass rod	Assorted
48	Syringe needle destroyer	Assorted
49	Cover slip	Assorted
50	Cleaned slides	Assorted
51	Litmus paper	Assorted
52	pH indicator paper strips	Assorted
53	Test tube	Assorted
54	Separating funnels of various sizes	Assorted
55	Glass Jars with lid of different sizes	Assorted
56	Capillary Tubes	Assorted
57	Rubber sheat	Assorted
58	Magnifying lens	Assorted
59	Water bath	Assorted
60	Multi stix	Assorted



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SWAMI VIVEKANAND AYURVED MEDICAL COLLEGE AND REASEARCH CENTER
A/P- Pargaon Sudrik Tal- Shrigonda Dist- Ahmednagar

EQUIPMENT AND INSTRUMENTS

ANNEXURE — V

(E). DETAILS OF EQUIPMENT AND INSTRUMENTS REQUIRED FOR LABOUR ROOM		
S.No.	Equipment and Instruments	Required Quantity
Essential		
1	Shadowless Lamp	One
2	Suction Machine (Neonatal)	One
3	Oxygen Cylinder and Mask	One
4	FoetalToco Cardiograph	One
5	Radiant Warmer	One
6	Photo therapy Unit	One
7	Weighing Machine (Paediatric)	One
8	Patient trolley	Two
9	Anaesthesia trolley	One
10	Infantometer	One
11	Vacuum extractor	One
12	Foetal Doppler	One
13	Low cavity forceps	Two
14	Steriliser	Two
15	Machintosh rubber sheet	Assorted
16	Instruments for labour and Episiotomy.	Assorted
	(Scissors, forceps, needle holders etc.)	
17	Baby tray	Two
18	Nebuliser	One
19	Foetoscope	Five
20	Auto Clave	One
21	Drums	Assorted
22	Instrumental Trolley	Assorted
23	OT tables and head Up and head Low facility	One
24	Pulse Oximeter	One
25	Resuscitation kit	One
26	Boyle's apparatus	One
27	Electrocautery	One
28	MTP Suction Machine	One
29	Anaesthesia Kit	One
30	Blunt and Sharp Curettes	Ten
31	Dilators set (Hegar's, Hawkins)	Five
32	Sims's Speculum	Five
33	Cusco's Speculum	Five
34	Anterior Vaginal Wall retractor	Five

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



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स्वामी विवेकानंद आयुर्वेद महाविद्यालय
पारगाव सु.॥, ता. श्रीगोंदा



SWAMI VIVEKANAND AYURVED MEDICAL COLLEGE AND REASEARCH CENTER
A/P- Pargaon Sudrik Tal- Shrigonda Dist- Ahmednagar

EQUIPMENT AND INSTRUMENTS

ANNEXURE — V

(E) DETAILS OF EQUIPMENT AND INSTRUMENTS REQUIRED FOR OPERATION THEATRE		
S.No.	Equipment and Instruments	Required Quantity
I	Shalya:	
	Essential	
1	Spot light (Shadow less ceiling fitted)	One
2	Needle holding Forceps (big- medium-small)	Assorted
3	Dressing drums of Assorted size	Assorted
4	Drum stand	Assorted
5	IV Stand	Two
6	Cheatles Forceps	Four
7	Mosquito forceps	Four
8	Scissors straight (Tailor)	Four
9	Scissors curved of different sizes	Five each
10	Stitch removal scissors	Five each
11	Dissection forceps	Four
12	Sinus Forceps	Four
13	Probes - Assorted size	Five each
14	Pointed scissors	Four
15	Abdominal Retractors	Five
16	Tissue Forceps	Five
17	Bob Kock's Forceps	Five
18	Kocher's Forceps	Five
19	Urethral Dilators	Five each
20	Metal Catheters	Five each
21	Sponge holding forceps	Four
22	Right Angle cholecystectomy Forceps	Four
23	Stone holding forceps	Four
24	Allies Forceps small	Four
25	Allies Forceps Big	Four
26	Artery Forceps small	Four
27	Artery Forceps big	Four
28	Artery Forceps Medium	Four
29	Sigmoidoscope Rigid/flexible	One
30	Barron Pile's Gun	Two
31	Laryngoscope Pediatric/Adult	One
32	Boyles Apparatus	One
33	Multi-parameter Monitor	One
34	Ambu Bag	Two
35	Suction machine Electrical or Manual	One
36	Skin grafting knife with handle	Assorted
37	Surgical blades of different size	Assorted
38	Self-Retaining Retractor	Assorted
39	Bone cutter	Two
40	Gigli Saw	Two
41	Scoop	Assorted
42	Periosteum elevator	Two
43	Maggles Forceps	Assorted
44	High Pressure Autoclave	One
45	Nitrous Oxide Cylinder	One

46	Hydrolic Operation Table	One
47	Boyle's Apparatus	One
48	Instrument Trolley	Assorted
49	Endotracheal Tube	Assorted
50	Proctoscope with or without illumination	Two
51	Gabrial Syringe	One
52	Strecher with trolley	Two
53	Suction Machine	Assorted
General		
54	Emergency power back up facility	Assorted
55	Emergency light	Four
56	Fire Extinguisher	Two
57	BP Apparatus	Assorted
58	Fumigator	One
59	Refrigerator	One
60	X-ray View Box (double)	Two
61	Revolving Stool	Assorted
62	Vertical BP Instrument	One
63	Rubber catheters of Assorted size	Assorted
Miscellaneous		
64	Corrugated rubber drain	Assorted
65	Suturing Needle (straight/curved) of Assorted size	Assorted
66	Surgical Thread	Assorted
67	BP Handle of different size	Assorted
68	Needle holder	Assorted
II Shalakya: Ophthalmic Equipment or Instruments for Operative Surgery		
Essential		
69	Ophthalmic Operation table with Head rest	One
70	Sterilizing box/case with matts	Assorted
71	Lens insertion Forceps	Assorted
72	Keratome	Assorted
73	Desmarres lid retractors	Assorted
74	Cat-paw lacrimal retractor	Assorted
75	Mueller lacrimal sac retractor	Assorted
76	Dastoor iris retractor	Assorted
77	Meyrhoefer Chalazioncurrete	Assorted
78	Sinsky lens manipulating hook	Assorted
79	IOL Manipulator	Assorted
80	Foreign body spud	Assorted
81	Lewis lens loop (vectis)	Assorted
82	Cystotome and spoon	Assorted
83	Mule Evisceration spoon	Assorted
84	Iris repository (double-ended)	Assorted
85	Jameson muscle hook	Assorted
86	Wills cautery with copper ball-point	Assorted
87	Langs lacrimal sac dissector	Assorted
88	Kelly Glaucoma punch	Assorted
89	Elevator (double ended)	Assorted
90	Nasal speculum adult/child	Assorted
91	Wilder punctum Dilator	Assorted
92	Bowman lacrimal probes	Assorted
93	Hartman mosquito forceps	Assorted
94	Colibri forceps 1*2 teeth	Assorted
95	Mc. person corneal forceps with tying platform	Assorted
96	Dressing forceps, serrated	Assorted

97	Moorfieldconjunctival forceps	Assorted
98	Fixation forceps	Assorted
99	Beer cilea (epilation) forceps	Assorted
100	Arruga capsular forceps	Assorted
101	Snellen Entropion clamp	Assorted
102	Chalazion clamps	Assorted
103	Vannas straight scissors	Assorted
104	Barraquer needle holder	Assorted
105	Air injection cannula	Assorted
106	Healon aspirating cannula	Assorted
107	AC washout cannula	Assorted
108	Lacrimonal cannula	Assorted
109	Hydrodialysis cannula	Assorted
110	J-loop cannula (Right/Left With silicon tubing)	Assorted
111	Simcock direct I/A cannula with silicon tubing	Assorted
112	Irrigating aspirating handle	Assorted
113	Lens dialer	Assorted
114	Superior Rectus forceps	Assorted
115	Eye wash glasses (for Tarpana Karma)	Assorted
116	Swimming Goggles (for Tarpana Karma)	Assorted
III	ENT-Surgical or Operative Procedural Instruments	
Essential		
117	Aural Syringe	Assorted
118	Jobson’s Aural Probe	Assorted
119	Eustachian Catheter	Assorted
120	Mastoid Retractor	Assorted
121	Mastoid Gouge	Assorted
122	Mallet	Assorted
123	Nasal Foreign Body hook	Assorted
124	Nasal packing forceps	Assorted
125	Nasal Snare	Assorted
126	Bayonet Shaped gouge	Assorted
127	Walsham forceps	Assorted
128	Laryngeal forceps	Assorted
129	Tongue plate with throat suction	Assorted
130	Tonsil holding forceps	Assorted
131	Tonsillar suction	Assorted
132	Adenoid curette with cage	Assorted
133	Peritonsillarabcess draining forceps	Assorted
134	Fuller’s Tracheostomy Tube	Assorted
135	Cheatel’s Forceps	Assorted
Miscellaneous		
136	Available	Assorted



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पारगाव सु. II, ता. श्रीगोंदा



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ANNEXURE — V

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

S. No.	Name of Out Patient Department	Required Quantity
1	Kayachikitsa	
Essential		
	X-Ray View Box	One
	BP Apparatus	Two
	Stethoscope	Four
	Torch	Two
	Examination Table	One
	Thermometer	Four
	Tongue depressor	Five
	Weight and height measuring stand	One
	Measuring tape	One
	Knee Hammer	Two
Miscellaneous		
	Gloves	Assorted
2	Shalya	
Essential		
	X-Ray Viewing Box	One
	Stethoscope	Four
	Instruments for ano-rectal examination	Two sets
	Examination Table	One
	BP Apparatus	Two
	Thermometer	Four
	Torch	Assorted
	Cheatle forceps	Assorted
General		
	Minor OT	Assorted
Miscellaneous		
	Surgical Blades	Assorted
3	Shalakya	
Essential		
	Tuning forks	Assorted
	Ophthalmoscope/ fundoscope	Two
	Auroscope	Two
	Examination Table	One
	X-Ray Viewing Box	One
	BP Apparatus	Two
	Stethoscope	Four
	Thermometer	Four
	ENT kit	Assorted
	Torch	Two
	Bull's lamp	One
4	Prasuti and Stri Roga	

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



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पारगाव सु.॥, ता. श्रीगोंदा