

**The List of Essential equipments / instruments / machineries / charts / models etc.
for various departments of Ayurveda colleges & Hospital.**

SHALAKYA DEPARTMENT

Equipments

1.	Ophthalmic refraction unit motorized controls with adjustable chair	01	01
2.	Slit lamp with all the standard accessories	01	01
3.	Autokeratometer (hand held)	01	01
4.	Direct Ophthalmoscope	02	01
5.	In-direct Ophthalmoscope	02	01
6.	20 D Aspherical lens for indirect ophthalmoscopy		01
7.	Schiotz tonometer		01
8.	Fibreoptic Light source		01
9.	Ultra Sound – A Scan		01
10.	Visual Field Analyzer (for central fields) Humphry/Octopuss		01
11.	Trial – Lens set (with lenses in metal frame).		02
12.	Trial – frames (adult)		01
13.	Trial – frame (child)		01
14.	Torch	02	03
15.	BP Instrument		02
16.	X-ray view box		01
17.	Maddox Wing		01
18.	Near Vision Drum	04	01
19.	Ischihara colour plates book		01
20.	Placido's Disc		01
21.	Fluorescein strips	1000 pc/yr	50
22.	Glass rods small (for Anjana Karma)	12	08
23.	Plastic Bottle with tube (for Parishek Karma)	06	06
24.	Eye Droppers (for Asshchyotana Karma)	12	11
25.	Electric steam inhaler (for Swedana Karma)	06	01
26.	Spirit lamp (for ball point cantery)	04	04
27.	CAM stimulator	02	01

Ophthalmic Equipments/Instruments for Operative Surgery

1.	Operating Microscope with Coaxial Illumination and foot control	01	01
2.	Bipolar Wet field cautery	02	01
3.	Mini Halogen Light (table mounting)	02	02
4.	Ophthalmic Operation table with Head rest	01	01
5.	Sterilizing box/case with matts	06	03
6.	Lens insertion Forceps	04	04
7.	Keratome	04	04
8.	Barraquer wire speculum (adult/child/infant)	4 each	12
9.	Desmarres lid retractors (size 1,2,3,4-4 each)	16	08

10.	Cat-paw lacrimal retractor	04		04
11.	Mueller lacrimal sac retractor		04	01
12.	Dastoor iris retractor			04
13.	Castro Viejo caliper	04		01
14.	Meyrhoefer Chalazion currete (size 1,2,3 & 4) 4 each		16	10
15.	Sinsky lens manipulating hook	04		03
16.	IOL Manipulator	04		03
17.	Foreign body spud	04		03
18.	Lewis lens loop (vectis)			04
19.	Cystotome and spoon	04		02
20.	Mule Evisceration spoon	04		04
21.	Wells Enucleation spoon	04		02
22.	Iris repository (double-ended)		04	04
23.	Tooks Corneal knife	04		01
24.	Graefe Strabismus hook	04		02
25.	Jameson muscle hook	04		02
26.	Smith lens expressor	04		04
27.	Wills cautery with copper ball-point	04		04
28.	Barraquer blade braker and holder	04		03
29.	Langs lacrimal sac dissector	04		01
30.	Kelly Glaucoma punch	04		01
31.	West Lacrimal Chiesel			01
32.	Elevator (double ended)	04		01
33.	Mallet	04		01
34.	Nasal speculum adult/child – 2 each	04		06
35.	Pigtail Probe with suture holes	04		04
36.	Wilder punctum Dilator (size 1,2 & 3 –4 each)		12	08
37.	Bowman lacrimal probes (sizes – 00-0, 1-2, 3-4 & 5-6) 4 each			08
38.	Towel clamp	12		10
39.	Hartman mosquito forceps	24		12
40.	Colibri forceps 1*2 teech			01
41.	Mc. person corneal forceps with tying platform		06	06
42.	Kelman Mc. Pherson angled forceps	06		04
43.	Mc. Phersons tying forceps	06		06
44.	Dressing forceps, serrated	06		02
45.	Moorfield conjuctival forceps	06		02
46.	Fixation forceps 1-2, & 3-4 teeth – 2 each	06		02
47.	Beer cilea (epilation) forceps	06		05
48.	Arruga capsular forceps	06		06
49.	Snellen Entropion clamp – righ/left – 2 each	04		02
50.	Chalazion clamps (dia. – 20 mm, 26 mm, 31 mm, 12 mm & 8 mm – 2 each)			02
51.	Castroviejo corneal scissors	06		04
52.	Iris scissors	06		04

53.	Westcott tenotomy scissors	06	04
54.	Vannas straight scissors	06	01
55.	De-Weckers iris scissors	06	05
56.	Strabismus scissors	06	06
57.	Enucleation scissors	06	04
58.	Barraquer needle holder	06	02
59.	Castroviejo micro needle holder	06	06
60.	Silcok needle holder with sid lock	04	06
61.	Air injection canula	06	24
62.	Healon aspirating canula	06	06
63.	AC was canula	06	04
64.	Lacrimal canula (23-26 g) 4 each	16	04
65.	Hydrodialysis canula	06	02
66.	J-loop canula (rt./lt. With silicon tubing) 4 each	08	04
67.	Simcoe direct I/A canula with silicon tubing	06	04
68.	Irrigating aspirating handle	06	04
69.	Lens dialer	06	03
70.	Superior Rectus forceps	06	04

Miscellaneous

71.	Eye wash glasses (for Tarpana Karma)	12	10
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Therapeutic

72.	Swimming Goggles (for Tarpana Karma)	12	10
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ENT (Diagnostic Equipments)

1.	ENT Unit	01	01
2.	Otoscope	02	02
3.	Head Mirror	02	03
4.	Bulls Lamp	02	02
5.	Portable Audiometry Machine	01	-
6.	Laryngoscope with different size blades	02	01
7.	Laryngeal mirror	12	01
8.	Nasal – speculum (Thudicum’s) Adult/Child (6 each)	12	03
9.	Nasal – Speculum (Adult/Child (6 each) St. Clair Thompson	12	03
10.	Tongue depressor	12	05
11.	Fibre-optic light source (wall mounted)	02	01
12.	Posterior Rhinoscopy mirror	04	01
13.	Siegel’s Pneumatic speculum	04	--
14.	Amed speculum	12	--
15.	Killiane Nasal Speculum	06	--
16.	Crocodile punch Biopsy forceps	04	--
17.	X-ray view box	02	01

ENT (Surgical/Operative Procedural) Instruments

1.	Aural Syringe	04		04
2.	Jobson's Aural Probe	06		04
3.	Eustachian Catheter	04		04
4.	Mastoid Retractor	04		02
5.	Mastoid Gouge	04		04
6.	Mallet	04		04
7.	Mastoid Cell seeker with scoop	04		03
8.	Nasal Foreign Body hook	06		04
9.	Nasal packing forceps	06		06
10.	Antral Trocar Scannla	04		04
11.	Antral Burr	04		04
12.	Nasal Snare	06		06
13.	Freer's septal knife	06		06
14.	Ballinger's swivel knife	04		04
15.	Bayonet Shaped gouge	04		04
16.	Walshman's forceps	04		04
17.	Laryngeal forceps	04		03
18.	Boyle-Davis mouth gag	04		04
19.	Tongue plate with throat suction	04		04
20.	Tonsil holding forceps	06		04
21.	Tonsillar suction	06		06
22.	Tonsillar Dissector	06		04
23.	Tonsillar Suare	06		12
24.	Guillotine	06		06
25.	Adenoid curtltle with cage	06		06
26.	Peritonsillar abcess draining forceps	06		06
27.	Fuller's Tracheostomy Tube	04		01
28.	Steriliser box			02
29.	Cheatel's Forceps	06		06
30.	Other consumable articles like gloves, syringes, bandages, sutras etc. As per requirement			Available
31.	ENT operating microscope and lens			01

Dental (Diagnostic/surgical)

1.	Dental chair with air compressor	01		01
2.	Ultrasonic scaler	01		01
3.	Cement Plugger	01		01
4.	Amalgamator	01		01
5.	Amalgam Plugger	01		01
6.	Amalgam Brushier	01		01
7.	St. Warmic James Elevator	01		01
8.	Austine third molar retracto	01		01
9.	Universal scaler	01		01

10.	Supragingival scaler	01	01
11.	Sickle scaler	01	01
12.	Criess tooth elevator	01	02
13.	Appax tooth elevator	01	04
14.	Periodontal knife	01	01
15.	Extraction forceps 1 for each tooth	12	17
16.	Mouth mirror	02	08
17.	Curettes	02	01
18.	Chiesel	02	--
19.	Dental Twizer	02	10
20.	Light cure machine	01	01
21.	Electric Sterilizer	02	01
22.	Dental x-ray Unit	01	01
23.	Other consumable articles like filling materials, gloves, Syringes etc. as per requirement		Available
24.	OPG (Orthaptotomography for whole x-ray imaging of upper/lower jaw.	01	--
25.	RVG – Radio visiograph for emergency of Root canal treatment	01	--

Miscellaneous Equipments

1.	Sirodhara yantra (Stainless steel with nozzle/stopper)	04	02
2.	Dhoomra Pan Yantra		05
3.	(Wooden Table – for Kriya Kalpa, Shiro Dhara, etc)	02	02
4.	Anjana Shalaka (Copper/Silver/Zinc) each	12	10
5.	Distillation Euiptom (for extracting Arka's)	01	01
6.	Air Conditioner (split type) one each for Kriya Kalpa	3	01

OT & OPD

7.	Examination Tables	03	02
8.	Fumigator	02	02
9.	Patient Shifting Trolley	02	01
10.	Revolving Chair (for Doctors)	06	01
11.	Revolving Stool (for patients)	06	01
12.	Tables	03	02
13.	Dressing Drums	08	08
14.	Other consumable Articles like gloves, sutures, needle, Syringes etc. As per requirements		Available

Miscellaneous Consumable Articles

1.	Anu Tailam (for nasya Karma)litres/yr.	10	Available
2.	Bilwa Tailam (For Karma Poorana) litres/yr.	10	Available
3.	Shad Bindu Tailam (For Nasya Karma) litres/yr.	10	Available
4.	Dashmoola Kwath (For Nasya Swedana)	50 Kg./yr.	Available
	Panchendriya Vadan Tail (Nasya)	10 ltr/yr	Available

	Goghrit (Cow ghrut)	10 ltr/yr	Available
	Til tail	50 ltr.	Available
5.	Aamalaki Churna (For Aashghyotan Karma)	50 Kg/yr.	Available
6.	Madhuyashti Churna (For Aashchyotana Karma)	50 Kg./yr.	Available
7.	Rasanjana (For Anjana Karma)	10 Kg./yr.	Available
8.	Rose water (For Aashchyotana Karma)		Available
9.	Chandrodaya Varti (For Anjana Karma)	10 Kg/yr.	Available
10.	Triphala Ghrita (For Tarpana Karma)	50 Kg/yr.	Available
11.	Triphala Churna (For Kawal/gandush etc.)	50 Kg/yr.	Available
12.	Maha Narayana Tailam (For Shirodhara)	500 liter/yr.	Available
13.	Vacha, Shigrubij, Katphal, Chunia Nakchikani (Avapidan Nasya)	10 Kg/yr.	Available

Eye Models/charts

1.	Vertical Section of the eye (Enlarged)	02	02
2.	The Visual Pathway	02	02
3.	Eye Ball	02	05
4.	Retina & optic Disc	02	02
5.	Specimen of Enucleated Eye (Normal)	02	--
6.	Specimen of Eucleated Eye (with Retinoblastoma)	02	02

Models and Charts (Throat)

1.	Lateral View of Pharynx	01	01
2.	Model showing:-		
	☐ Inferior Surface of Tongue	01	01
	☐ Epiglottis and Tonsils	01	01
3.	Muscles of Pharynx Post view	01	01
4.	Muscles of Pharynx Frontal view	01	01
5.	Muscles of Pharynx Anterior view	01	01
6.	Cavity of Larynx – Frontal view	01	01
	Anterior – Posterior, Lateral view		
7.	Model of Trachea.	01	01
8.	Charts showing view of Larynx Pharynx	01.	01

Ear Models

1.	Chronic Suppurative otitis media	01	01
2.	Otitis Media with perforation of the drum head.	01	01
3.	normal Tympanic membrane (Lt. & Rt.)	01	01
4.	Chronic Suppurative otitis media left ear showing large posterior Marginal Perforation		
	01		01
5.	Anatomical Structure of ear including pinna	01	01

Charts

1.	Anatomy of the ear	01	01
2.	Charts of the various diseases of the ear i.e. otitis media, labyrinthitis etc.	01	01

Models and Charts

1.	Frontal Section of Pharynx Post view	01	01
2.	Muscles of Pharynx Post and Lateral view	01	01
3.	Muscles of Larynx Post view	01	01
4.	Cavity of Larynx – Frontal view	01	01
5.	S. S. through mouth and pharynx a little media plane.	01	01

Models (Mouth)

1.	Models of all variety teeth to teach Dental Anatomy	01	01
2.	Anatomical Ala model of Trigeminal nerve i.e. Vth Nerve	01	01

Charts

1.	Various charts for Dental Anatomy, Physiology	01	01
2.	Various charts showing the oral Diseases	01	01

Models and Charts (Nose)

1.	A coronal Section through nasal cavity, paranasal sinuses and orbit seen from behind.		01
	01		01
2.	The Central Wall of right half of the nasal cavity	01	01
3.	Anatomy of the nasal cavity	01	01
4.	SS through nose and palate to show lateral wall of nose.	01	01
5.	Lateral wall of nose showing	01	Available
	☐ Interior meatus		
	☐ Interior concha		
	☐ Middle meatus		
	☐ Middle concha		
	☐ Superior concha		
	☐ Frontal sinus		
	☐ Sphenoidal sinus		
	☐ Superior meatus		
	☐ Eustachian Tube		
6.	Lateral wall of nose with middle and superior pouches.		01

Models and Charts (Head)

1.	Adult brain divided in six parts.	01	01
2.	Adult brain showing the cerebellum, pons, medulla oblongata – origin of cranial nerves (divided in two parts).	01	01
3.	Adult brain spinal cords showing the anterior roots of the spinal nerves.	01	01
4.	TS through Ant. Part of head.	01	01
5.	A median Section through head and neck.	01	01

Anaesthesia instruments should be equipped in operation theatre.

Ophthalmic and ENT instruments charts and miscellaneous are essential but Dental department should be stored in Shalaky Department and then it should be compulsory.

The PG Department should be departed as Netra (Shalakya ENT (Shalakya) and Dental (Shalakya)

S.No.	Name Required	No.	
1.	Chemical balance		
2.	Physical balance	2	02
3.	Electronic balance	1	01
4.	Ph.Meter	1	01
5.	Crucibles	10	08
6.	Burners	10	08
7.	Spirit Lamp	10	04
8.	Test tubes with stand holder	50	55
9.	Blotting/filter papers	200	250
10.	Watch Glass	50	40
11.	Mortar pestle (ceramic & stone)	2 each	02 each
12.	Mixer grinder(small)	1	01
13.	Spatula	10	08
14.	Hot plate	10	08
15.	Wooden Racks	5	04
16.	Reagents	1 hr.ech	Available
	a. Water		}
	b. Choloroform		
	c. Alcohold.HCl		
	e. Sulphuric acid		
	f. Sodium, potassium hydrxide		
	g. Benedict solution		
	h. Sodium nitrate		
	i. Potasium nitrate		
	j. Citric acid		
	k. Dissection Box	5	
	l. Enamel Trays	10	

**The List of desirable equipments / instruments / machineries / charts / models etc.
for various departments of Ayurveda colleges & Hospital.**

SHALAKYA DEPARTMENT

Equipments

1.	Autoretractometer with Actokeratometer	--
2.	Keratometer (Bosh & Lomb)	--
3.	Streak-Retinoscope	--
4.	Applanation tonometer	--
5.	Non Contact Pulse Air Tonometer (hand held)	--
6.	Synaptophore	--
7.	Ultra Sound – B scan	--
8.	Gold Men's Perimeter	--
9.	Gold Men's mirror Gonioscopy lens	--
10.	Gold Men's 4 mirror Gonioscopy lens	--
11.	Rollers type vision testing drum(motorized with friends and duo chrome tests 02	--
12.	RAF Rule	--
13.	Kimura's spatula	--
14.	Autorefractrometer 01	--

Ophthalmic Equipments/Instruments for Operative Surgery

1.	Cryo-therapy machine	02	--
2.	Nitrous Oxide cylinders		--
3.	Phaco Emulsification Machine	01	--
4.	Phaco chop	04	--
5.	Pre-Chopper	04	--
6.	Nucleus cracker/splitter	04	--
7.	Snare/nucleus divider	04	
8.	Crescent knife (2.8 mm)		--
9.	Keratome (angled 45)		--
10.	Clark Speculum	06	--
11.	Scleral depressor	04	--
12.	Stallard ptosis plate		--
13.	Jaeger lid plate		--
14.	Schepens Arruga retractor	04	--
15.	Kilner retractor for oculoplasty	04	--
16.	Fleringa Scleral fixation ring	04	--
17.	Nightingale capsule polishing curette		--
18.	Bunge Evisceration spoon		--
19.	Barraquer cyclodialysis spatula		--
20.	Citeli bone nibbling rongeur	04	--
21.	Serrafine bulldog clamp		--

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|-----|---|----|----|
| 22. | Capsulorhexis forceps | | -- |
| 23. | Berke Ptosis clamp with side lock | | -- |
| 24. | Simcoe cortex extractor canula | 06 | -- |
| 25. | Nucleus hydro dissecting canula | | -- |
| 26. | Simcoe reverse I/A canula with silicon tubing | | -- |

ENT (Diagnostic Equipments)

- | | | | |
|----|--|----|--------|
| 1. | Naso-Endoscope with fibre-optic light source | 01 | -- |
| 2. | Tuning Forks (256, 512 & 1024 | 06 | 01 Set |
| 3. | Negus Bronchoscope | 04 | -- |
| 4. | Negus Ocsophogoscope | 04 | -- |
| 5. | Oesophageal at Speculum | 04 | -- |

ENT (Surgical/Operative Procedural) Instruments

- | | | | |
|----|--|----|----|
| 1. | Politzer Bag | 04 | -- |
| 2. | Myringotome | 06 | -- |
| 3. | Antral Trocar | 04 | 04 |
| 4. | Antral Wash Comb | 06 | -- |
| 5. | Luis forceps | 06 | -- |
| 6. | Cpevalier Jackson aspirating oesophageoscope | 02 | -- |
| 7. | Sickle Knife | 04 | -- |

Dental (Diagnostic/surgical)

- | | | | |
|----|----------------------|----|----|
| 1. | Electric Pulp tester | 01 | -- |
|----|----------------------|----|----|