Tilak Ayurved Mahavidyalaya

Advance teaching program

Department- Rachana Sharir Subject- Rachana Sharir Theory

SN	List of Topics	Term	Name of the faculty	Lecture hours	Non-Lecture hours
1	**Shariropkramaniya Shaarira** • Sharir and Shaarir vyakhya (definitions of shariraand sharira) • Shadangatvam (Six regions of the body) • Anga Pratyanga vibhaga (subdivisions) • Sharir shastra vibhag • Sharir gyan prayojan and its description in contemporary science with its clinical importance	**I**	Dr. S.V. Patil	4	2
2	**Paribhasha Shaarira** • Kurcha, Kandara, Jala, Asthisamghata, Seemnta,Seevani, Rajju, and lasika • Terminologies related shadang sharir	**I**	Dr. R. V. Shah	3	1
3.	**Garbha Shaarira** • Garbha Vyakhya (Definition of Garbha) • Concept of Shukra and Artava • Garbhavkranti. Masanumasik grabhavruddhi • Role of panchamahabhoot in Garbhavruddhi • Concept of Beeja, Beejabhaga, Beejabhagavayava • Garbhposhana • Apara nirmiti, Garbhanabhinadi • Garbha Angapratyanga utpatti according to different Acharya • Garbha Vikruti	**I**	Dr. H. S. Kulkarni	17	5
4.	**Asthi Shaarira** Enumeration of Asthi, Types, asthi swaroopa, with its applied aspect	**I**	Dr. P. M.Kulkarni	2	1

5	**Embryology** • Definitions and branches of embryology. • Embryo and Fetus. Sperm and Ovum, Fertilization, Cleavage. • Germ layers formation and their derivatives. • Laws of heredity, Sex determination and differentiation, Month-wise development of embryo. • Fetal circulation, Placenta formation, Umbilicalcord formation	**I**	Dr. H. S. Kulkarni	7	2
6	**Osteology** • Bone: structure, types and ossification. • Description of each bone with clinical anatomy	**I**	Dr. S.V. Patil/ Dr. S. S. Chopde/ Dr. R. V. Shah/ Dr. P. M.Kulkarni	9	6
7	**Koshtha Evam Ashaya Sharira** • Definition of Kostha with its applied importance and • Enumeration of Koshthanga and its description • Concept of Ashaya with its clinical importance	**I**	Dr. S.V. Patil// Dr. S. S. Chopde	2	1
8	**Digestive system** • Regions of abdomen • Organs of digestive tract (alimentary tract) with their clinical aspects. • Digestive glands: Liver, Spleen and Pancreas. • Description of peritoneum with its clinical aspects • Histology of all organs	**I**	/ Dr. S. S. Chopde/ Dr. R. V. Shah/ Dr. P. M.Kulkarni	10	6
9	**Sandhi Shaarira** • Description of Sandhi and its enumeration, • Types of Sandhi with its clinical importance • Introduction of diseases of Sandhi explained inAyurveda	**II**	Dr. P. M.Kulkarni	2	3
10	**Snayu sharir** Concept of Snayu and its clinical importance	**II**	Dr. H. S. Kulkarni	2	1

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11	**Peshi Shaarira** • Description of Peshi, • Utpatti, types, Swaroop, function with its importance	**II**	Dr. S.V. Patil	2	1
12	**Kesha, Danta, Nakha Sharir** • Description of Panchbhautik swaroop and its applied value • Explanation of its swabhava (Pitruja) and itsapplied value • Description of Prakrita (normal) and Vikruta(abnormal) Swaroop (appearance) of kesha,danta, nakha in concern with disease • Importance of examination of kesha, danta, nakha	**II**	Dr. R. V. Shah	2	1

	as diagnostic tool				
13	**Arthrology** • Joints: structure, types and movements. • Description of joints of extremities, inter-vertebraljoints and temporomandibular joint with their clinical anatomy.	**II**	Dr. S. S. Chopde/ Dr. R. V. Shah/ Dr. P. M.Kulkarni/ Dr. H. S. Kulkarni	10	6
14	**Myology** • Structure and types of muscles. Description of important muscles: origin, insertion, actions, nervesupply and clinical anatomy. • Muscle movements in Yogasana	**II**	Dr. S. S. Chopde	6	2
15	**Pramana Sharira:** Anguli pramana & Anjali praman with its appliedimportance	**II**	Dr. S.V. Patil	2	1
16	**Dhamani Sharir** • Concept of Dhamani • Nirukti, types, enumeration of Dhamani and itsapplied aspect	**II**	Dr. H. S. Kulkarni	2	1
17	**Strotas Shaarira** • Concept of Strotas • Nirukti, types, number of Srotas, Strotomool andits applied aspect • Types of Strotas and its description. • Applied aspect of Strotas	**II**	Dr. H. S. Kulkarni	8	3

Tilak Ayurved Mahavidyalaya

Advance teaching program

Department- Rachana Sharir Subject- Rachana Sharir Practical/NLH

18	**Marma Sharira** • Marma: definition, enumeration, classification, location • Surface demarcation of Marma • Explanation of Trimarma	**II**	Dr. S.V. Patil// Dr. S. S. Chopde	13	4
19	**Sira Sharir** • Concept of Sira • Nirukti, types, enumeration of Sira and itsapplied aspect • Introduction to Sira vedha	**II**	Dr. H. S. Kulkarni	3	1
20	**Respiratory System** • Bronchial tree and Lungs with their clinicalaspects. • Respiratory tract: Nasal cavity, Pharynx, Larynx,Trachea • Pleura with its clinical aspects • Diaphragm and its opening • Histology of all organs	**II**	Dr. S. S. Chopde	6	4
21	**Cardiovascular system** • Description of Heart • Structure of artery & vein • Importance blood vessels with their course andbranches. • Pericardium with applied aspect • Histology of Heart	**II**	Dr. R. V. Shah	8	3

Tilak Ayurved Mahavidyalaya

Advance teaching program

Department- Rachana Sharir Subject- Rachana Sharir Practical/NLH

22	**Urinary System** • Urinary tract: Kidney, Ureter, Urinary Bladder and Urethra with their clinicalaspects • Histology of all organs	**II**	Dr. P. M.Kulkarni	8	3
23	**Endocrinology** • Description of endocrine glands (Pituitary, Thyroid, Parathyroid, Thymus, Pineal and Suprarenal glands)with clinical aspects. • Histology of all glands.	**III**	Dr. R. V. Shah	8	3
24	**Lymphatic system** • Introduction Structure included in lymphatic system:Lymph vessels, Lymph nodes, Lymph glands with their clinical importance.	**III**	Dr. S. S. Chopde	2	2
26	**Kala Shaarira** • Definition and etymology of Kala • Enumeration and description of Kala • Applied aspect of Kala	**III**	Dr. H. S. Kulkarni	2	2
27	**Indriya Shaarira** • Definition of Indriya, Indriya artha and Indriyaadhisthan, • Number and importance of Indriya • Description of Gyanendriya, Karmendriya andUbhayendriya (Manas). • Ayurved sharir of Indriya adhistan- Karna,Twacha, Netra, Jivha, Nasa • Applied aspect of Indriya	**III**	Dr. P. M.Kulkarni	3	1

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Advance teaching program

Department- Rachana Sharir Subject- Rachana Sharir Practical/NLH

28	**Twacha Sharir** Definition, types and characteristics of Twacha withits clinical importance, significance of Twacha adhisthana in disease manifestation, its relation with Dhatu.	**III**	Dr. P. M.Kulkarni	2	2
29	**Reproductive system** • Male Reproductive system: Reproductive organs, Scrotum and glands (Testis, Prostateand Seminal vesicles) with their clinical aspects. • Female reproductive system: Introduction of external genital organ in brief and internal reproductive organs in detail, tract and glandswith clinical importance. • Histology of all organs	**III**	Dr. S. S. Chopde	7	3
30	**Sensory organs** Description of structures of Eye, Ear, Nose, Tongueand Skin with their clinical aspects.	**III**	Dr. P. M.Kulkarni	14	5

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Advance teaching program

Department- Rachana Sharir Subject- Rachana Sharir Practical/NLH

SN	Name of Practical	Name of the faculty	Term	Hrs
P1	• Branches of anatomy. History of Anatomy • Ethics in dissection hall	Dr. P. M. Kulkarni	I	2
P2	Anatomical Terminologies Anatomical position, Planes, and explanation of anatomical terms related to skin,fasciae, bones, joints and their movements, muscles, ligaments, tendons, blood vessels, nerves.	Dr. S. S. Chopde	I	4
P3	Preservation methods of the cadaver, Mrut sharir Samshodhan • Different methods of preservation techniques. Brief introduction of chemical composition of preservative fluid.	Dr. P. M. Kulkarni	I	2
P4	Introduction of Anatomy Act and Brief detailing about Bio medical waste management act 1960	Dr. S. V. Patil	I	2
P5	Shava vichhedana – detailed dissection of the whole body • Line of incision • Dissection technique • Identification of different tools and its Uses • Identification and characteristics of Different layers and its relation	Dr. S. V. Patil Dr. S. S. Chopde Dr. P. M. Kulkarni Dr. R. V. Shah Dr. H. S. Kulkarni	I	32
	In Extremities: Dissection of extremities & Identification of related structures		II	40
	In Trunk region: Demonstration of visceral relation of thoracic, abdominal and pelvic organ		II	38
	In Head Region: Dissection of head, Identification of Meninges, Major Sulci and gyri, Superficial origin of Cranial Nerve and andvenous Sinus.		III	14

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Department- Rachana Sharir Subject- Rachana Sharir Practical/NLH

	Dissection of sensory organs	Dr. S. V. Patil Dr. S. S. Chopde Dr. P. M. Kulkarni Dr. R. V. Shah Dr. H. S. Kulkarni	III	22
P6	• Practical study of vital organs, Histological slides • Identification of external features of thoracic, abdominal and pelvic viscera	Dr. S. V. Patil Dr. S. S. Chopde Dr. R. V. Shah	II	06
P7	Practical study of bones	Dr. S. V. Patil Dr. S. S. Chopde Dr. P. M. Kulkarni Dr. H. S. Kulkarni	I	36

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Department- Rachana Sharir Subject- Rachana Sharir Practical/NLH

	Identification of external features of bones and different attachment		
	Surface and Radiological anatomy **In Radiology Anatomy**: Characteristics of radio imaging film and detailing about its colorcontrasting Identification of Normal alignment of bodily structure – X ray film a. Chest X Ray – A.P And P.A view b. Detailing of A.P view of Shoulder joint, Elbow Joint, Wrist joint, Hip joint, knee joint,Ankle joint. c. Identification of basic clinical finding through X ray film related to long bones and joints	Dr. H. S. Kulkarni	22
P8	**In Surface Anatomy Section:** • Identification of Underlying viscera of Nine region based upon Cadaveric and LivingAnatomy • Surface marking of thoracic, abdominal and pelvic viscera	Dr. S. S. Chopde	6
P9	Practical study of Marma Surface markings of all Marma points and its anatomical demarcation.	Dr. S. V. Patil Dr. S. S. Chopde	12
P10	Brief detailing about body donation, organ donation and its awareness (Communication skills)	Dr. S. V. Patil	2