

Datta Meghe Institute of Medical Sciences
(Deemed To Be University)
Mahatma Gandhi Ayurved College, Hospital and Research Centre
Sawangi (Meghe), Wardha

UNDERGRADUATE CURRICULUM 2019-20

DEPARTMENT OF RACHANA SHARIR

PAPER I

RS1.1	Course Outcome Shariropkramaniya Shaarira and Paribhasha Shaarira	Program Outcome						
		PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
RS1.1.1	Define Sharir and describe Shadang Sharir and Significance of Sharir and sharir	3	2	3	3	2	2	1
RS1.1.2	Describe the criteria for selection of cadaver for mrutsarankshan with dead body preservation & dissection method according to Acharya Sushrut and Modern science and describe about Dehadan and its significance.	3	3	3	2	3	1	1
RS1.1.3	Describe various Paribhsha ie kurcha, Kandara, Jal, Sevani, , Snayu, Rajju, Asthisanghat & seemanta Dashpranayatan, Dwadash pran	3	2	2	1	1	1	1
RS1.1.4	Define Purush, Karmapurush and its attributes and explain the constitution of Purush according to the composition of dhatus. Explain the Pancabhautikatva & Trigunatmakatvam Tridoshmayatvam of sharir	3	3	2	3	2	2	2
RS1.2	Garbha Sharira	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
RS1.2.1	Define Garbha, Describe Garbhotpatti Samagri, Garbhotpadak and Garbha Vruddhikar bhava	3	3	3	3	2	2	1
RS1.2.2	Describe Masanumasik garbhavridhhi kram of each month Garbha poshan, apara nirman, Garbha nadi nirman, Anga pratyanga Uttpti and role of tridosh and panchamahabhoot in fetal development	3	3	3	3	2	2	1
RS1.2.3	Describe Bija-Bija bhaga & Bija	3	3	3	3	1	1	0

	bhaga avayava, Describe Linga vinishchaya, Lingbheda, sex determination							
RS1.3	Pramana Sharir	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
RS1.3.1	Describe Anguli, Anjali praman in detail	3	3	2	2	2	2	2
RS1.4	Asthi Sharira	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
RS1.4.1	Define Ashti and describe its number Swarup, Types and describe vasa, majja and med	3	3	3	3	2	1	1
RS1.5	Sandhi Sharira	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
RS1.5.1	Define sandhi and describes its types and numbers	3	3	3	3	2	1	1
RS1.6	Sira-Dhamani-Strotas Sharira	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
RS1.6.1	Define of Sira and Dhamani and state its numbers and types and describe Hridaya as per ayurveda	3	3	3	3	2	1	1
RS1.6.2	Define srotas, describe the types of Srotas, Strotas moolasthan and Srotodusti lakshna according to Sushrut and Charaka,	3	3	3	3	3	2	2
RS1.7	Peshi Sharira	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
RS1.7.1	Define Peshi as per ayurveda, describe its types, structure, numbers and importance	3	3	3	3	2	1	1
RS1.8	Koshtha evam Ashaya Sharira	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
RS1.8.1	Define Koshtha and Aashya, describe numbers of Koshtanga according to Charaka and Sushruta and Enumerate 'Aashaya' according to Acharya Sushrut & Sharangdhar	3	3	3	3	2	1	1
RS1.9	Kalaa Sharira	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
RS1.9.1	Define Kala and describe Sapta Kala According to Sushruta.	3	3	3	3	2	1	1
RS1.10	Uttamangiya Sharira	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
RS1.10.1	Define Chakra. Enlist Chakra, Describe all six chakras and Ida, Pingala & Sushumna Nadi in detail	3	3	3	3	2	0	0
RS1.11	Marma Sharira	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
RS1.11.1	Define Marma, Describe the classification of marma and Describe trimarma and clinical importance of marmas with viddha lakshana	3	3	3	3	3	2	2
RS1.12	Indriya Sharira	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
RS1.12.1	Define Indriya and , describe	2	2	1	2	1	1	0

1	Ekadash Indriya,							
RS1.13	Definition and branches of Anatomy, Preservation methods	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
RS1.13.1	Enlist the branches of anatomy and Describe preservation methods of cadaver as per modern science	3	3	2	2	1	0	0
RS1.14	Anatomical terminologies	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
RS1.14.1	Explain the Anatomical position and planes, Explain the anatomical terms related to skin. Fascia, bones, joints & their common movements, muscles, ligaments, tendons, blood vessels, and nerves	3	3	3	3	2	2	1
RS1.15	Embryology	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
RS1.15.1	Define embryology and Describe the structure of Spermatozoon and the structure of Ovum. with the stages of Fertilization	3	3	3	2	2	1	0
RS1.15.2	Describe the various formation during the process of fetal development in month wise manner along with fetal circulation and Laws of heredity	3	3	3	2	2	1	0
RS1.16	Osteology	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
RS1.16.1	Describe the types, side determination, structure, muscles attachment, ossification and clinical significance of all the bones of appendicular and axial Skeleton	3	3	3	2	2	1	1
RS1.17	Arthrology	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
RS1.17.1	Describe the types, Articular Surface, ligaments, movements, relations blood supply, nerve supply and Clinical Anatomy of the joint	3	3	3	3	2	1	1
RS1.18	Cardiovascular system	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
RS1.18.1	Describe external features chambers, valves, auscultatory areas, blood supply and venous drainage, lymphatics and nerve supply, clinical anatomy of heart	3	2	2	2	2	1	1
RS1.18.2	Define arteries and veins and distinguish between them	3	1	1	1	0	0	0
RS1.18.3	Describe pericardium with its types, sinuses, arterial supply and nerve supply, clinical	3	2	1	1	1	0	0

	anatomy							
RS1.19	Lymphatic system	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
RS1.19.1	Define lymph glands, and describe types, structure of lymph gland with its applied aspect	3	2	3	2	3	0	0
RS1.20	Myology	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
RS1.20.1	Describe structure, types, insertion, origin, action, nerve supply, clinical anatomy of muscles of body	2	2	2	2	2	1	0

Paper II

RS2.1	Respiratory system	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
RS2.1.1	Describe the structure of larynx with dimension, situation & extent, cartilages, relations, blood supply & applied anatomy	3	2	2	2	2	1	0
RS2.1.2	Describe the situation, extent & dimensions, parts, boundaries, relations, muscles, arterial supply, venous drainage, lymphatics & nerve supply, and the applied anatomy of the pharynx	3	2	2	2	2	1	0
RS2.1.3	Describe the structure, relations, blood supply & applied anatomy of tracheae with bronchial tree	3	3	3	3	3	2	1
RS2.1.5	Describe the structure of pleura, Costo-diaphragmatic & Costo-mediastenal recesses, blood supply & nerve supply of pleura and its clinical anatomy	3	3	2	2	2	2	0
RS2.1.5	Describe the external features of lungs with its applied anatomy	3	3	3	3	3	2	1
RS2.2	Digestive system	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
RS2.2.1	Describe the extent & dimensions, curvatures, constrictions, three parts along with their relations, arterial supply & venous drainage, the lymphatic & nerve supply, clinical anatomy of Oesophagus.	3	2	2	2	2	2	1
RS2.2.2	Describe peritoneum and Nine parts of abdomen	3	2	2	2	2	1	0
RS2.2.3	Describe the dimension & capacity, parts, surfaces &	3	3	3	3	2	2	1

	borders of stomach, stomach bed, the interior, blood supply & nerve supply, applied anatomy, histology of the stomach.							
RS2.2.4	State the parts, extent, location & dimension, arterial supply, venous & lymphatic drainage, nerve supply, clinical anatomy and histology of duodenum.	3	3	3	3	2	1	0
RS2.2.5	State the parts, arterial supply, venous & lymphatic drainage, nerve supply, clinical anatomy of Large intestine	3	3	3	3	2	1	0
RS2.2.6	Describe the course, dimensions, curvatures, Peritoneal & visceral relations, mucosal folds, supports, arterial supply & venous drainage, applied anatomy of the rectum.	3	3	3	3	2	1	0
RS2.2.7	Describe the dimension, relation, internal structure, blood, nerve supply, venous drainage, applied anatomy of anal canal.	3	3	3	3	2	1	1
RS2.2.8	Describe the dimension, Parts, location, Pancreatic ducts, the arterial supply, venous & lymphatic drainage & nerve supply, applied anatomy, histology of endocrine & exocrine part of pancreas	3	3	3	3	2	2	1
RS2.2.9	Describe external features, relations, blood supply, nerve supply, lymphatic, Drainage, functions, histology and clinical anatomy of Liver	3	3	3	3	2	2	1
RS2.2.10	Describe the external features , Situation & dimension, peritoneal & visceral relations arterial supply & venous drainage, functions, applied anatomy of the spleen.	3	3	3	3	2	2	1
RS2.2.11	Enlist the salivary glands and describe the anatomy of parotid gland, submandibular gland and sublingual gland with its blood supply & Clinical anatomy	3	3	3	3	2	1	0
RS2.3	Urinary system	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
RS2.3.1	State the dimensions of the kidney and describe Location & extent, external features, relations of the right & left	3	3	3	3	2	2	1

	kidney, covering of kidney, internal structure, blood supply, histology of kidney along with nephron							
RS2.3.2	Describe the structure ureter with its applied anatomy	3	3	2	2	1	0	0
RS2.3.3	Describe the position & shape, external features, true & false ligaments, interior, capacity, blood supply & nerve supply, applied anatomy of the urinary bladder.	3	3	3	2	1	1	0
RS2.3.4	Describe male and female urethra with its clinical anatomy	2	2	2	2	1	0	0
RS2.4	Reproductive system	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
RS2.4.1	Describe the organs of Male reproductive system with its applied anatomy	2	2	2	2	1	0	0
RS2.4.2	Describe the organs of External genital organ of female reproductive system with its applied anatomy	2	2	2	2	1	0	0
RS2.4.3	Describe the structures of Uterus, Ovary, and fallopian tubes with its applied anatomy	2	2	2	2	1	0	0
RS2.5	Endocrinology	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
RS2.5.1	Describe the situation, dimension & structure of both the lobes of pituitary along with relations, histology of anterior and posterior lobe, hormones secreted & functions associated with lobes, applied anatomy of the pituitary gland.	2	2	2	2	1	0	0
RS2.5.2	Describe the situation, dimension & parts, structure of both the lobes & the isthmus, histology & hormones secreted, applied anatomy of the Thyroid gland	2	2	2	2	1	0	0
RS2.5.3	Describe the situation ,dimension & structure of superior & inferior parathyroid gland, secretion & function, vascular supply, nerve supply & lymphatic drainage, applied anatomy of parathyroid gland.	2	2	2	2	1	0	0
RS2.5.4	Describe the situation & dimension of the suprarenal glands, structure of the Right & left suprarenal glands, vascular	2	2	2	2	1	0	0

	supply, nerve supply & lymphatic drainage and its applied anatomy.							
RS2.5.5	Describe the structure, situation & dimension, vascular supply, nerve supply & lymphatic drainage, functions, applied anatomy of the Thymus gland.	2	2	2	2	1	0	0
RS2.6	Nervous system	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
RS2.6.1	Classification of nervous system, describe neurons and ganglion, types of neuron, neurotransmitters	2	2	2	2	1	0	0
RS2.6.2	Describe lobes of the Brain, Primary functions of the Lobes the Cerebral Cortex, and the Cortical Regions of the Brain and its major regions/divisions	2	2	2	2	1	0	0
RS2.6.3	Describe general structure of the Cerebrum, Cerebral Cortex and cerebellum	2	2	2	2	1	0	0
RS2.6.4	Describe the extent & dimensions, gross anatomy, internal structure, nuclei of the spinal cord.	2	2	2	2	1	0	0
RS2.6.5	Enlist cranial nerves and describe functional components, classification of cranial nerves and Describes spinal nerve	2	2	2	2	1	0	0
RS2.6.6	Describe spinal nerves and their functional component.	2	2	2	2	1	0	0
RS2.6.7	Describe cervical, brachial, lumber, sacral plexus	2	2	2	2	1	0	0
RS2.6.8	Describe the ventricular system of brain formation and circulation of C.S.F.	2	2	2	2	1	0	0
RS2.6.9	Describe Autonomus nervous system, its classification, and describe Neurons and Ganglion with their functions	2	2	2	2	1	0	0
RS2.6.10	Describe circle of Willis and ventricular basilar system	2	2	2	2	1	0	0
RS2.7	Sensory organs	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
RS2.7.1	Describe the Panchabhautikatva & dosh relation of Chakshurendriya, Describe the Structures of the Eye with the layers of the wall of eyeball and retina, aqueous humour, vitreous body and lens, important nerves	3	3	2	2	1	1	1

	of eye, extrinsic Eye Muscles and clinical anatomy							
RS2.7.2	Describe the Panchabhautikava of Strotrendriya and the parts of ear, structure of external ear, tympanic membrane, functions, blood, nerve supply & applied anatomy.	3	3	2	2	1	0	0
RS2.7.3	Enlist the synonyms & state the predominant mahabhut & dosha of Rasanendriya and external features, papillae, muscles, blood supply & nerve supply, applied anatomy of tongue.	3	3	2	2	1	0	0
RS2.7.4	Describe mulsthan of Pranvah strotas and describe nose with external structure, nasal cavity & lateral wall of nose with applied anatomy	3	3	2	2	1	0	0
RS2.7.5	Describe the origin (uttpati) of Twacha and enlist the layers of Twacha according to Acharya Charak and Acharya Sushrut, correlate the layers of twachaas per Ayurved & modern aspect.	3	3	2	2	1	0	0
RS2.8	Surface and radiological Anatomy	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
RS2.8.1	Describe radio-imaging of limbs, abdomen, pelvis and vertebral column	2	1	1	1	0	0	0
RS2.8.2	Describe surface anatomy of heart and lungs, Stomach, Liver, Spleen, Appendix, Kidney, (Pleura, Pericardium Trachea, Blood vessels of Heart & Lungs) and abdominal viscera (Pancreas, Small & Large intestine, Major Blood vessels	3	2	2	2	1	0	0
RS2.8.3	Describe basics of MRI- CT scan and clinical anatomy	2	1	1	1	0	0	0