



Chhatrapati Shahu Maharaj Shikshan Sanstha's  
Ayurved Mahavidyalaya & Rughalaya  
Kanchanwadi, Aurangabad



Curriculum Distribution

Subject : Kriya Sharir

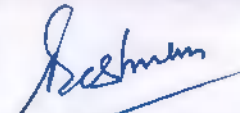
Term : I

Paper : I & IInd

year 2021-2022

Sr. No.	Topic	paper	Lectures nos	Teacher Name
1	<b>1.Sharir:</b> Definition and synonyms of term Kriya, Sharir & Shaarir. Description of Sharir Dosha and Manasa Dosha. Mutual relationship between Triguna-Tridosha & Panchmahahhuta.	I	2+1	Dr. Fulse S. D.
	<b>5.Pitta Dosha:</b> Vyutpatti, Nirukti of the term Pitta, general locations, general properties and general functions of Pitta, five types of Pitta (Pachaka, Ranjaka, Alochaka, Bhrajaka, Sadhaka) with their specific locations, specific properties, and specific functions. Similarities and differences between Agni & pitta	I	5+1	
	<b>1.Dhatu:</b> Etymology, derivation, definition, general introduction of term Dhatu, different theories related to Dhatuposhana (Dhatuposhana Nyaya)	II	2+1	Dr. Fulse S. D.
	<b>4.Mamsa Dhatu:</b> Etymology, derivation, synonyms, location, properties and functions of Mamsa Dhatu, physiology of Mamsavaha Srotas, formation of Mamsa Dhatu, characteristics of Mamsasara Purusha, manifestations of Kshaya and Vriddhi of Mamsa Dhatu, Concept of Peshi.	II	2+1	
	<b>1.Haemopoetic system:</b>			



  
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	composition, functions of blood and blood cells, Haemopoiesis (stages and development of RBCs, and WBCs and platelets), composition and functions of bone marrow, structure, types and functions of haemoglobin, mechanism of blood clotting, anticoagulants, physiological basis of blood groups, plasma proteins, introduction to anemia & jaundice.	II	5+2	
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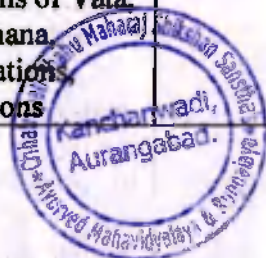
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2	<p><b>3.Tridosha:</b> General description of Tridosha. Inter relationship between Ritu-Dosha-Rasa-Guna. Biological rhythms of Tridosha on the basis of day-night-age-season and food intake. Role of Dosha in the formation of Prakriti of an individual and in maintaining of health. Prakrita and Vaikrita dosha</p> <p><b>1.Physiology Homeostasis:</b> Definition and mechanisms of maintenance of homeostasis. Cell physiology. Membrane physiology. Transportation of various substances across cell membrane. Resting membrane potential and action potential. Acid-base balance, water and electrolyte balance Study of basic components of food</p> <p><b>2.Rasa Dhatu:</b> Etymology, derivation, location, properties, functions and Praman of Rasa-dhatu. Physiology of Rasavaha Srotas, Formation of Rasa Dhatu from Aahara Rasa, circulation of Rasa (Rasa-Samvahana), role of Vyana Vayu and Samana Vayu in Rasa Samvahana. Description of functioning of Hridaya. Ashtavidha Sara, characteristics of Tvakasara Purusha, conceptual study of Aashraya-Aashrayi Bhaava and its relation to Rasa and Kapha. Manifestations of kshaya and Vriddhi of Rasa</p> <p><b>3.Physiology of cardio-vascular system:</b> Functional anatomy of cardiovascular system. Cardiac cycle. Heart sounds. Regulation of cardiac output and venous return. Physiological basis of ECG. Heart-rate and its regulation. Arterial pulse.Systemic arterial blood pressure and its control</p>	I  I  II  II	3  5+1  4+1  5+2	Dr. Toshniwal  M.B.  Dr. Toshniwal  M.B.
3	<p><b>2.Basic principles of Ayurveda:</b> Dosha dhatu mala mulam hi shariram. Description of basics of strotas</p> <p><b>4.Vata Dosha:</b> Vyutpatti (derivation), Nirukti (etymology) of the term Vata, general locations, general properties and general functions of Vata. five types of Vata (Prana, Udana, Samana, Vyana, Apana) with their specific locations, specific properties, and specific functions</p>	I  I	2+1  6+2	Dr. Sudewad  S.V.



*S. S. Shinde*  
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<p><b>3.Rakta Dhatu:</b> Etymology, derivation, synonyms, location, properties, functions and Praman of Rakta Dhatu. Panchabhautikatva of Rakta Dhatu, physiology of Raktavaha Srotas, formation of Raktadhatu, Ranjana of Rasa by Ranjaka Pitta, features of Shuddha Rakta, specific functions of Rakta, characteristics of Raktasara Purusha, manifestations of Kshaya and Vriddhi of Raktadhatu, mutual interdependence of Rakta and pitta</p> <p><b>5.Meda Dhatu:</b> Etymology, derivation, location, properties, functions and Praman of Meda Dhatu, physiology of Medovaha Srotas, formation of Medo Dhatu, characteristics of Medasara Purusha and manifestations of Kshaya and Vriddhi of meda</p> <p><b>2.Immunity:</b> classification of immunity: Innate, acquired and artificial. Different mechanisms involved in immunity: Humoral (B-cell mediated) and T-Cell mediated immunity hypersensitivity.</p>	II	3+1	
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H.O.D.

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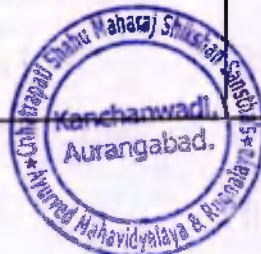
Subject : Kriya Sharir

Term : II

Paper : I & IInd

year 2021-2022

Sr. No.	Topic	paper	Lectures nos	Teacher Name
1	<b>7.Dosha Vriddhi-Kshaya:</b> Etiological factors responsible for Dosha Vriddhi, Dosha Kshaya and their manifestations.	I	1+1	Dr. Fulse S. D.
	<b>8.Kriyakala:</b> Concept of Kriyakala, applied physiology of diseases produced due the vitiation of vata, pitta and kapha.	I	1+1	
	<b>2.Physiology of Respiratory system:</b> functional anatomy of respiratory system. Definition of ventilation, mechanism of respiration, exchange and transport of gases, neural and chemical control of respiration, artificial respiration, asphyxia, hypoxia. Introduction to Pulmonary Function Tests.	I	5+2	
	<b>9.Concept of Ashraya-Ashrayi bhava</b> i.e. inter-relationship among Dosha, Dhatu Mala and Srotas. Applied physiology of diseases asserting saptadhatu enlisted under dhatu pradoshaj vikar.	II	1+1	Dr. Fulse S. D.
	<b>10.Ojas:</b> Etymological derivation, definition, formation, location, properties, Praman, classification and functions of Ojas. Description of Vyadhikshamatva. Bala Vriddhikara Bhava. Classification of Bala. Etiological factors and manifestations of Ojavisramsa, Vyapat and Kshaya.	II	3+1	
	<b>6.Physiology of male and female reproductive systems:</b> Description of ovulation, spermatogenesis, oogenesis, menstrual cycle.	II	5+2	



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<p>location, properties, functions of Asthi Dhatu. Number of Asthi. Physiology of Asthivaha Srotas and formation of Asthi Dhatu, characteristics of Asthisara Purusha, mutual interdependence of Vata and Asthi Dhatu, manifestations of Kshaya and Vriddhi of Asthi Dhatu.</p>	II	2+1	
<p>7.Majja Dhatu : Etymology, derivation, types, location, properties, functions and Praman of Majjaa Dhatu, physiology of Majjavaha Srotas, formation of Majja Dhatu, characteristics of Majja Sara Purusha, relation of Kapha, Pitta, Rakta and Majja, manifestations of Kshaya and Vriddhi of Majja Dhatu.</p>	II	3+1	
<p>8.Shukra Dhatu: Etymology, derivation, location, properties, functions and Praman of Shukra Dhatu, physiology of Shukraravaha Srotas and formation of Shukra Dhatu. Features of Shuddha Shukra, characteristics of Shukra-Sara Purusha, manifestations of Kshaya and Vriddhi of Shukra Dhatu.</p>	II	3+1	



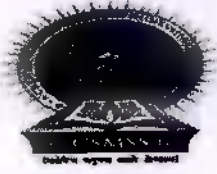
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Curriculum Distribution

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Term : III

Paper : I & IInd

year 2021-2022

Sr. No.	Topic	paper	Lectures nos	Teacher Name
1	<b>10.Ahara:</b> Definition, classification and significance of Ahara ,Ahara-vidhi-vidhana, Ashta Aharavidhi Visheshayatana, Ahara Parinamkar Bhava.	I	3+1	Dr. Fulse S. D.
	<b>11.Agni:</b> Definition and importance, synonyms, classification, location, properties and functions of Agni and functions of Jatharagni, Bhutagni, and Dhatvagni.	I	4+1	
	<b>8.Special Senses, Sleep and Dreams:</b> Physiology of special senses. physiology of sleep and dreams	II	5+1	
	<b>16.Nidra &amp; Swapna:</b> Nidrotpatti, types of Nidra, physiological and clinical significance of Nidra; Svapnotpatti and types of Swapna.	II	2	



*Dr. Fulse S. D.*

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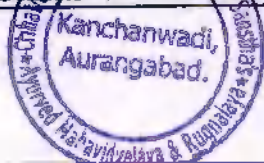




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2	<p><b>4. Physiology of Nervous System:</b> General introduction to nervous system, neurons, mechanism of propagation of nerve impulse, physiology of CNS, PNS, ANS; physiology of sensory and motor nervous system, Functions of different parts of brain and physiology of special senses, intelligence, memory, learning and motivation. Physiology of sleep and dreams, EEG. Physiology of speech and articulation. Physiology of temperature regulation.</p>	I	7+3	Dr. Toshniwal
	<p><b>12. Mala:</b> Etymological derivation and definition of the term Mala. Aharamala: Enumeration and description of the process of formation of Aharamala. <b>Purisha:</b> Etymological derivation, definition, formation, properties, quantity and functions of Purisha. Physiology of Purishavaha Srotas, manifestations of Vriddhi and Kshhaya of Purisha. <b>Mutra:</b> Etymological derivation, definition, formation, properties, quantity and functions of Mutra. Physiology of Mutravaha Srotas, physiology of urine formation in Ayurveda, manifestations of Vriddhi and Kshhaya of Mutra. <b>Sveda:</b> Etymological derivation, definition, formation and functions of Sveda. Manifestations of Vriddhi and Kshaya of Sveda. Discription of Svedvaha Srotas <b>Dhatumala:</b> Brief description of each type of Dhatumala.</p>	I	6+2	M.B.
	<p><b>7. Physiology of Excretion:</b> functional anatomy of urinary tract, functions of kidney. Mechanism of formation of urine, control of micturition. Formation of faeces and mechanism of defecation</p>	II	4+2	Dr. Toshniwal
3	<p><b>12. Aharapaka (Process of digestion):</b> Description of Annavaha Srotas and their Mula. Description of Avasthapaka (Madhura, Amla and Katu). Description of Nishthapaka (Vipaka) and its classification. Role of Grahani &amp; Pittadhara Kala. Separation of Sara and Kitta. Absorption of Sara. Genesis of Vata-Pita-</p>	I	7+2	Dr. Sudewad



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Kapha during Aharapaka process. Definition of the term Koshtha. Classification of Koshtha and the characteristics of each type of Koshtha.			S.V.
<b>5. Physiology of Endocrine glands:</b> General introduction to endocrine system, classification and characteristics of hormones, physiology of all endocrine glands, their functions and their effects.	I	6+2	
<b>13. Indriya vidnyan:</b> Physiological description of Panchagyaanendriya and physiology of perception of Shabda, Sparsha, Rupa, Rasa and Gandha. Physiological description of Karmendriya	II	1+1	
<b>14. Manas:</b> Properties, functions and objects of Manas. Physiology of Manovaha Srotas.	II	2+1	
<b>15. Atma:</b> Properties of Atma. difference between Paramatma and Jivatma; Characteristic features of existence of Atma in living body.	II	2	S.V.



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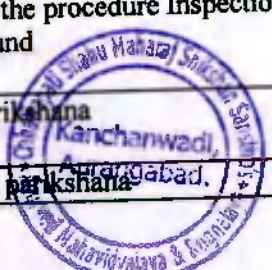


Practical ATP I/II/III<sup>rd</sup> Term.

Kriyashanti

Batch - 2021-22

Sr.No.	List of Topic	Term	Non lecture	Batch - A	Batch - B
1	Dhatu sararata parikshana	I	10	Dr.Toshniwal M.B.	Dr.Sudewad S.V.
2	Demonstrate laboratory equipment (spotting)	I	1	Dr.Toshniwal M.B.	Dr.Sudewad S.V.
3	Demonstrate blood collection	I	1	Dr.Toshniwal M.B.	Dr.Sudewad S.V.
4	Estimate haemoglobin	I	2	Dr.Toshniwal M.B.	Dr.Sudewad S.V.
5	Estimate bleeding time & clotting time	I	2	Dr.Toshniwal M.B.	Dr.Sudewad S.V.
6	Estimate blood grouping	I	2	Dr.Toshniwal M.B.	Dr.Sudewad S.V.
7	Prakriti parikshana	II	20	Dr.Toshniwal M.B.	Dr.Sudewad S.V.
8	Dosha vridhhi kshaya parikshana	II	4	Dr.Toshniwal M.B.	Dr.Sudewad S.V.
9	Dhatu vridhhi kshaya parikshana	II	5	Dr.Toshniwal M.B.	Dr.Sudewad S.V.
10	Nadi parikshana	II	3	Dr.Toshniwal M.B.	Dr.Sudewad S.V.
11	Pulse examination	II	2	Dr.Toshniwal M.B.	Dr.Sudewad S.V.
12	WBC estimation	II	2	Dr.Toshniwal M.B.	Dr.Sudewad S.V.
13	RBC estimation	II	2	Dr.Toshniwal M.B.	Dr.Sudewad S.V.
14	DLC estimation	II	2	Dr.Toshniwal M.B.	Dr.Sudewad S.V.
15	Measurement of Blood pressure	II	2	Dr.Toshniwal M.B.	Dr.Sudewad S.V.
16	Perform the procedure Inspection of respiratory system	II	2	Dr.Toshniwal M.B.	Dr.Sudewad S.V.
17	Perform the procedure Inspection of heart sound	II	3	Dr.Toshniwal M.B.	Dr.Sudewad S.V.
18	Agni parikshana	III	6	Dr.Toshniwal M.B.	Dr.Sudewad S.V.
19	Koshtha parikshana	III	2	Dr.Toshniwal M.B.	Dr.Sudewad S.V.





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				M.B.	S.V.
20	Urine examination	III	2	Dr.Toshniwal M.B.	Dr.Sudewad S.V.
21	Demonstrate ESR, PCV	III	1	Dr.Toshniwal M.B.	Dr.Sudewad S.V.
22	Observe the procedure of ECG	III	2	Dr.Toshniwal M.B.	Dr.Sudewad S.V.
23	Perform the procedure of examining the cranial nerves and reflexes	III	2	Dr.Toshniwal M.B.	Dr.Sudewad S.V.
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M.B. Dr.Toshniwal  
S.V. Dr.Sudewad  
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