

TILAK AYURVED MAHAVIDYALAYA, PUNE

Advance Teaching Programme (ATP)

Department: Rognidan

Subject: Rognidan Vikruti Vigyan

Term: I/II/III/IV

2nd & Final PG Syllabus

THEORY

Sr. No.	PAPER	TOPIC NO. (as per syllabus)	TOTAL LECTURE HOURS (As per NCISM)
1st Term			
1.	1 st	A1 -Paribhasha (Definition): Comprehensive definitions of Technical Terminologies such AS : Roga, Nidana, Vikriti Vijnana, Purvarupa, Rupa, Upashaya, Samprapti, Arishtha, Upadrava, Dosha, Dushya, Vyadhi, Vyadhiavastha, Aama, Kleda, Srotas, Srotodushti, Srotovaigunya, Avarana, Prajnyaparadha etc.	7
	2 nd	B-1 - Diseases of Medovahasrotas- Sthoulya- Karshya- Prameha and common clinical entities like obesity and Diabetes mellitus.	8
	3 rd	B-1 -Ayurvedic interpretation of all relevant findings of modern clinical examination	8
2.	1 st	A-2 -Concept and pathological implications of Tridosha (Doshavaishmya). 63 permutations and combination of Tridosha. Leena and stambhitadosha. Cause and importance of Tridosha in manifestation of Samprapti. B-2 -Concept and pathogenesis of Ama. Contemporary interpretation of Ama and its role in pathogenesis.	3 3
	2 nd	A-1 -Diseases of Pranvaha srotas- Pratishyaya , Kasa-Shwas- Hikka- Urahkshata- Shosha- Rajayakshma and common clinical entities like Pnumonia, pleural effusion, Bronchitis, Bronchiectasis, Pulmonary Tuberculosis, Brochial Asthama. B-2 - Diseases of Asthi- Majjavahasrotas- Sandhigatavata, Introduction to Asthimajjaparipaka, Asthigata Vidradhi and common clinical entities like Osteoarthritis, Osteomyelitis, Osteoporosis	3 3
	3 rd	A-1 - Introduction to clinical methods and techniques for the study of clinical examination. B-2 - Understanding of diagnosis procedures in medical emergencies.	3 2
	4 th	A-1 -Introduction to general pathology.	6
3.	1 st	A-3 - Concept of Rakta as a Chaturtha Dosha. Importance of Tridosha in the manifestation of diseases B-3 -Sama, Nirama stages of Dosha, Dhatu, and Mala.	3 4
	2 nd	A-2 - Diseases of Annavaaha- Pureeshvahasrotas –Agnimandya-Ajirana- Vishuchika, Vilambika-alasak-Aruchi-Chhardi, Amlapitta-Shool, Grahani-GulmaVibandha, Atisara-Pravahika along with various clinical presentation. Common clinical entities like peptic ulcer, irritable Bowel Syndrome, Diarrhoea, Dysentery, Constipation, Ulcerative colitis. Nutritional disorders. B-3 - Vatavyadhi-Akshepaka-Apatanaka-Ardita-Pakshaghata-Gridhrasi-Vishwachi, Avabahuka, Manyasthambha-katigraha-pangutwa -khanja-khalwee and common clinical entities like Hemiplegia, Parkinson's disease, Lumbago-	4 2

		Sciatica syndrome, Bell's palsy, Ankylosing Spondylitis, Motor Neuron Disease and other commonly occurring neurological diseases.	
	3 rd	A-2- Importance of medical history taking and its importance in clinical medicine. B-3- Concept of good clinical practices in Ayurveda and modern medicine	4 4
	4 th	A-2- Cell injury and cellular adaptations. B-1- Upasargjanya Vyadhi (Communicable diseases)-Romantika-Measles, Chickenpox.Upadamsha- Phirang and introduction to syphilis, AIDS, Leprosy, Tuberculosis.	3 3
4.	1 st	A-4- Concept of Ashrayashrayibhava and its applied utility.	7
	2 nd	B-4- Diseases of Sukravahasrotas- klaibya, Vandhyatva, Shookadosha and understanding of male and female Infertility, Impotence.	8
	4 th	B-2- Detail study of krimiVigyanam with classification and diseases caused.	7
5.	1 st	A-5- Different types of Dosha Gati. B-1- Concept of Agni and its role in manifestation of health and disease.	11 12
2nd Term			
1.	1 st	A-6- Causative factors and practical utility of movement of Doshas from Kostha to shakha and shakha to Kostha. Concept of Ashayapakarsha. B-5- Detailed classification of diseases as described in Ayurveda. Knowledge of ICD, DSM and other systems of classification of diseases.	7 13
2.	1 st	A-7- Trayorogamarga, their diseases and clinical importance of RogaMarga. B-6- Detailed understanding of NidanPanchaka with their classification and clinical importance	5 5
	2 nd	B-7- Diseases of Manovahasrotas-Vishada, Udvega, Bhaya, Bhrama, Anidra, mada, Madatyaya, Murchha,sanyasa, Apasmara, Unmada,Atatwabhinivesha and common clinical entities like Epilepsy, Schizophrenia, Alzheimer, Depression, Anxiety neurosis, phobia, personality disorders.	5
	4 th	B-3- Concept of Snayuka, Shleepada and introduction to Filariasis and classification, mode of infection, life cycle and diseases caused by common parasites	6
3.	1 st	A-8- Concept and classification of Avarana, its role in pathogenesis, mode of diagnosis of Avarana and its importance in chikitsa sutra.	7
	3 rd	A-3- Aims, Objectives and Methods applied aspects and importance of various Rogi and Rogapariksha as per classics.	6
		B-4- Knowledge of standard clinical laboratory set up.	8
4	1 st	A-9- Applied aspect of DhatuPoshanakrama and DhatuSamvahana.Concept of Marga and sthanasthaDhatu.	4
	2 nd	A-4- Diseases of RasavahaSrotas-jwara.Common clinical entities like various types of fever-Malaria, Typhoid, viral fever.Pandu, Amavata, Hridroga,Hridrava, Hritshoola, Hritgraha and common clinical entities like Anaemia& its classification, Rheumatic fever, Rheumatoid arthritis, Angina, Ishaemic Heart Disease, Hypertension, Myocardial Infarction, Congestive cardiac failure. Endocrinal disorders. B-6- Diseases of Swedavahasrotas -Knowledge of Khalitya, Palitya and Cosmetology.	4 5

	3 rd	B-5- Knowledge of Ancillary common laboratory investigations(haematology, biochemistry, Serology, Body fluids) for diagnosis of diseases, their methods, normal and abnormal values, factors influencing values & clinical significance as mentioned in practical syllabus.	5
	4 th	A-3- Immunity&Immunopathology including amyloidosis. Concept of vyadhikshamatva&concept of Ojasvis - a- visBala, Anurjata, Asatmya, Hypersensitivity.	4
5.	1 st	B-4- Understanding Samprapti of Santarpanottha and ApararpanotthaVyadhi	3
	2 nd	A-3- Diseases of Uadakavahasrotas –Udarvyadhi, shotha, Trishna, Daha and knowledge of water and electrolyte imbalance disorders.	3
	2 nd	B-5- Diseases of Mutravahasrotas-Mutrakrichha, Mutraghata, Ashmari, common clinical entities like Urinary Tract Infection, Urolithiasis, Nephropathies & Renal failure.	3
	3 rd	A-4- Srotaspariksha, ShadangaParikshavis-a-vis general & systemic examination of patient.	3
		B-6- Importance of Bio markers and their utility in clinical researches	3
	4 th	A-4- Concept of Shotha; Inflammation, Oedema and healing.	6
		B-4- Concept and applied aspects of Janapadodhvasa and Environmental diseases.	3
3rdTerm			
1.	1 st	A-11- Fundamental and applied aspects of Dhatu, Upadhatu, and mala. Diseases developed due to their vitiation. (Pradoshajanyavikara)	21
2.	1 st	A-12- Concept and applied aspects of Srotas, their impotance in health and diseased conditions. Concept and applied aspects of srotoDushti and khavaigunya. Understanding the various srotas which are not included in classical list of srotas but enumerated while describing the samprapti of diseases.	8
		B-9- Explanation and applied aspects of kriyakala and its utility in diagnosis and treatment.	4
	2 nd	B-9- JarajanyaVyadhi:Common Geriatric disorders.	5
	4 th	A-6- General character and classification of Neoplasia.	5
3.	1 st	B-7- Nidanakaravta of contemporary food items and lifestyle.	13
	2 nd	B-8- IndriyaPradoshajaVikara.	8
4.	1 st	B-8- Relation between'Hetu&Lakshana'and 'Samprapti&Lakshana'	4
	2 nd	A-5- Diseases of Raktavaha Srotas-Kamala-Raktapitta-Vatarakta-kroshtukaseersha-Shitpitta-Maha kushta-Visarpa-shwittra and kshudrakushta and common clinical entities like jaundice, hepatitis, bleeding disorders, Gout, ThromboAngitisObliterens (TAO), Deep vein Thrombosis (DVT), Leukaemia, Thalessemia, Sickle cell Anaemia. Introduction to Urticaria, Leprosy, Psoriasis, Eczema, Pemphigus, Herpes.	5
	3 rd	A-5- Interpretation of Charakoktatrividhapanapariksha and Sushrutoktashadvidhapanapariksha with clinical methods mentioned in modern medicine.	4
	2 nd	B-10- Concept and tools for the study of AnuktaVyadhi-Unexplained and newly emerging diseases such as AIDS; Dengue, Chickungunia, H1N1, Leptospirosis, Metabolic syndrome etc.	5
	4 th	A-7- Concept of genetic diseases and Bijadosha	5
5.	1 st	A-10- Conceptof Vyadhiavastha and applied aspects of Doshapaka and Dhatupaka.	12
	4 th	A-5- Derangement of Homeostasis and Haemodynamic disorders	8
4rdTerm			

1.	3 rd	B-7- Update knowledge of emerging diagnostic tools and technologies.	13
2.	2 nd	A-6- Diseases of Mansavahasrotas-Introduction to Granthi, Arbuda, Galganda & Arsha. All types of neoplasia.	7
	3 rd	B-8- Knowledge of Various Ayurvedic diagnostic softwares/ programmes available.	6
3.	1 st	A-13- Description of Dosha-Dushya-Sammurchhana, concept of PrakritiSamaSamaveta and VikritiVishamaSamavetaSammurchhana.Importance of Dosha-Dushya-Sammurchhana in diagnosis and treatment B-10- Importance of Upadrava, Arishta and Sadhyasadyata and Udarka	3 3
	3 rd	A-7- Charakoktadashavidha and SushrutoktaDwadashavidhapariksha along with the use of modern supportive tools for understanding of rogibala and rogabala concept to derive chikitsa sutra. B-9- Avayavapariksha-Radio-Imaging techniques; ECG, EEG etc and their clinical interpretation.	4 4
4.	1 st	A-14- Concept of Vikaravighatabhavabhava prativisesha.	7
		B-5- Knowledge of common Bacteria, Virus, Fungi and their classification with their disease processes, Nutrition requirements, media and methods for culture and sensitivity.	4
5.	1 st	B-11- Natural History of the Diseases (Vyadhi), concept of vyadhisankara in Ayurveda.	6
	2 nd	B-11- Understanding the concept of karmajaVyadhi.	7
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Practical Demonstration and hands on training			
1	-	1.Regular posting in RogaNidan / Hospital O.P.D.	Daily (In all terms)
2	-	2.Regular posting in RogaNidana/ Hospital I.P.D.	Daily (In all terms)
3	-	3.Regular posting in Laboratories	Daily (In all terms)
4	-	4.Regular posting in other departmental units (X-ray, MRI, CT, USG, ECG, EEG) and Educational Tour(Visit to Blood bank, ART Centre, Chemotherapy, Serum institute, Isolation hospital, NABL accredited laboratories) to update current medical knowledge.	3 month
5	-	4.Regular posting in other departmental units (X-ray, MRI, CT, USG, ECG, EEG) and Educational Tour(Visit to Blood bank, ART Centre, Chemotherapy, Serum institute, Isolation hospital, NABL accredited laboratories) to update current medical knowledge.	4 days
6	-	5.Laboratory record- maintenance of observation dairy and laboratory record book.	Daily
7	-	6. Experience in conducting following laboratory investigations for diagnosis of diseases and their methods. a) Hematological, biochemical and Serological measures, Peripheral blood film examination. b) Rapid diagnostic techniques. c) Screening test for bleeding Disorders-Platelet count, bleeding time(BT), Clottingtime(CT), Prothrombin time(PT). d) Blood grouping -ABO system, Rh typing (Rhesus system)	Daily (In all terms)
8	-	7.Urine Examination a. Ayurveda anusaramutrapariksha.	Daily (In all terms)

		b) Physical Examination,Chemial Examination, and Microscopic Examination Dipstic examination	
9	-	8.Stool Examination a) Ayurveda anusarapurishapariksha-Physical examination- Samaniramapariksha b) Microscopic and Macroscopic examination of stool	Daily (In all terms)
10	-	9. Sputum Examination a) Ayurveda parikshaanusarasthivana. b) Physical,Chemical and Microscopic Examination of the sputum.	Daily (In all terms)
11	-	10. Semen examination a. Ayurveda anusaraRetaspariksha b. Semen examination and clinical interpretation	Daily (In all terms)
12	-	11.Biochemical test related to various organ panels- Liver,kidney,Heart,Thyroid,Pitutary and bones.	Daily (In all terms)
13	-	12.Knowledge of different staining techniques in microbiology.	Daily (In all terms)
14	-	13.Knowledge of Sero-immunological Investigations:RA,Widaltest,ASLOtiter,ANA, etc.	Daily (In all terms)
15	-	14.Physical, chemical, microscopic, biochemical and bacteriological tests for various kinds of bodyaspirates.	Daily (In all terms)
16	-	15.Knowledge of histopathological techniques.	Daily (In all terms)
BEDSIDE PRACTICAL/ CLINICAL METHODS			
8	-	Expertise in clinical methods (General and Systemic Examination)	Daily (In all terms)
9	-	2.Parctical knowledge of examination of Roga based on PanchaNidana.	Daily (In all terms)
10	-	3. Practical knowledge of instruments used for clinical examination	Daily (In all terms)
11	-	4.Practical records of clinical examination of at least 30 long cases in I.P.D.	45 hrs.
12	-	5.Practical records of clinical examination of at least 30 short cases.	45 hrs.
13	-	6. Practical knowledge of ECG, USG and Imaging techniques and their clinical interpretation.	3 Months
14	-	7.Understanding of various Ayurvedic diagnostic software / programmesavailable like Ayusoft, Rudra,AyurNidana etc.	6 hrs.

Head of the Department

विभाग प्रमुख

रोगविज्ञान विभाग

टिळक आयुर्वेद महाविद्यालय
१६३/२ शास्ता पेठ पुणे