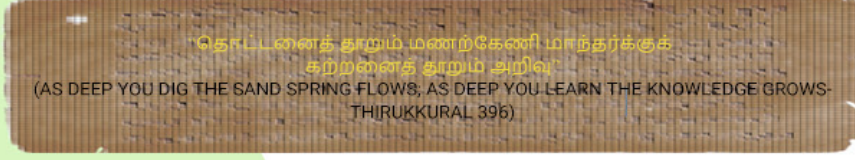


Course curriculum for Second Professional (B.S.M.S)

(PRESCRIBED BY NCISM)



Bachelor of Siddha Medicine and Surgery (B.S.M.S)

(SUBJECT CODE : SIDUG – NN1)

Noi Naadal - I (Siddha Pathology) Paper I & Paper II

(Applicable from 2021-22 batch, from the academic year 2023-24 onwards for 5 years or until further notification by NCISM, whichever is earlier)



॥ आयुषे सर्वलोकानाम् ॥



**BOARD OF UNANI, SIDDHA AND SOWA-RIGPA
NATIONAL COMMISSION FOR INDIAN SYSTEM OF MEDICINE
NEW DELHI-110058**

II Professional Siddha Maruthuva Arignar (B.S.M.S)

Subject Code : SIDUG – NN1

Summary

Total number of Teaching hours: 320			
Lecture hours(LH)-Theory		120	120(LH)
Paper I	60		
Paper II	60		
Non Lecture hours(NLH)-Theory		200	200(NLH)
Paper I	30		
Paper II	30		
Non Lecture hours(NLH)-Practical			
Paper I & II	140		

Examination (Papers & Mark Distribution)					
Item	Theory Component Marks	Practical Component Marks			
		Practical	Viva	Elective	IA
Paper I	100	100	20	10 (Set-SC)	20
Paper II	100				
Sub-Total	200	150			
Total marks	350				

Important Note:-The User Manual II B.S.M.S is a valuable resource that provides comprehensive details about the curriculum file. It will help you understand and implement the curriculum. Please read the User Manual II before reading this curriculum file. The curriculum file has been thoroughly reviewed and verified for accuracy. However, if you find any discrepancies, please note that the contents related to the MSE should be considered authentic.
In case of difficulty and questions regarding curriculum write to cur.imp@ncismindia.org

PREFACE

Noi Naadal (Siddha Pathology) is the pivotal wing of Siddha Medical Science that reckons with the study of disease patterns with foundation of sound clinical erudition. It renders insight from disease's evolution to its clinical presentation by being bedrock for Siddha Medicos in diagnostic analytics.

This syllabus of Noi Naadal I Paper - I embraces of Siddha Genomics, Derangement of Mukkutram, Arusuvaigal, physical constituents and five elements, Basal fire for survival, Eight fold criterion, Special diagnostic methods in Siddha system, Varmam Pathology, General and systemic Siddha Pathology.

Siddha Genomics elicits idiosyncratic traits of assorted body constitution with perception of diagnostic approach. Interrelationship between derangements of five elements, Tastes, Three humours and 7 Physical constituents delineates assimilation of functional division's pathological mechanism in human body. Eight fold criterion of Clinical Assessment embellishes diagnostic analytics of Siddha pathology with exalting methods of Naadi, Neerkuri and Neikuri patterns. Special diagnostic methods bestows deep rooted intellect on Medical Astrology, Pancha Patchi saasthram, which demonstrates astonishing association of celestial objects and human body with concept of the forces in macrocosm are identical with forces in microcosm. Manikkadai Nool (Wrist Circumetric Sign) elicits pathologic and fatality prediction.

Varmam Pathology acts as bottom line for unraveling disease patterns. This Metaphysical Medical science explicates mapping of varmam points with relation to Naadi and pathologic correlation with bioenergy field.

Noi Naadal I Paper - II elucidates the General and Systemic Pathologic Diseases with elaboration of their definition, Synonyms, Root cause, Etiology, premonitory & common signs and symptoms, Siddha pathogenesis, Naadi patterns, Classifications and Curable & incurable conditions.

The disciplines of Siddha Pathology form an integral cornerstone in Medical science. Profound anchorage in Noi Naadal paves way for precise clinical interpretation and affirms basis of differential diagnosis. This extensively revamped syllabus builds on Milestone in clinical journey of Siddha Medicos. This prodigious effort affirms comprehension of Noi Naadal's subtlety for Students which aids in adroit case diagnosis. The ameliorated syllabus imparts perspicacity in Strategic approach of diseases and yields emphasis to develop requisite skills in students.

This syllabus fabricates attainment of Siddhar's vision on Strategic approach of disease / diagnostic analytics.

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Course Code and Name of Course

Course code	Name of Course
SIDUG–NN1	Noi Naadal - I (Siddha Pathology) Paper I & Paper II

Table 1- Course learning outcomes and matched PO

SRI CO No	A1 Course learning Outcomes (CO) SIDUG – NN1 At the end of the course SIDUG – NN1, the students should be able to-	B1 Course learning Outcomes matched with program learning outcomes.
CO1	Appraise Noi Naadal (Strategic approach of disease) , elaborate Yaakkai Ilakkanam (Body Temperament/Siddha Genomics), its Therapeutic patterns (Mani, Manthiram and Avizhtham) and Maruthuvan Ilakkanam (Ethical attributes of a Siddha doctor)	PO1,PO3,PO4,PO6, PO10,PO12
CO2	Diagnose and plan the line of treatment based on Pancha bootha theory, derangement of Arusuvaigal (Six tastes), Mukkutram (Three Humours), Ezhu Udal thaathukkal (Seven Physical constituents) and Ennvagai thervugal (Eight fold criterion).	PO3,PO4,PO6,PO10 ,PO11,PO12
CO3	Infer Dhasa Naadigal pathway associated with Dhasa vaayukkal and Varma Naadigal in Varma pathology for the diagnostic analytics.	PO3,PO10,PO12
CO4	Demonstrate the precise diagnosis through proficiency in assessing Naadi, accurate patterns of Neerkuri and Neikuri and discuss the clinical approach established by the suppression of fourteen natural urges (Reflexes).	PO4,PO10,PO12
CO5	Diagnose integrating basic concepts of Maruthuva Jothidam (Medical Astrology), Pancha patchi Saasthram, Amirtha Nilaigal and Manikadai nool methodology (Wrist circumetric sign) and Thoothuvan ilakkanam (Ethical attributes of Envoy).	PO1,PO3,PO10,PO11,PO12
CO6	Diagnose the disease and plan in the systemic approach in the management of disease as per the principles of Siddha	PO3,PO4,PO10,PO11,PO12
CO7	Construct a Strategic approach for the diagnostic analytics and line of treatment for various diseases by Yakkai illakkanam (Body Temperament/ Siddha Genomics), Aga Karuvigal and Pura Karuvigal, Ennvagai Thervu ,Udal thadhukkal,Mukkutram and Suvaigal .	PO4,PO10,PO12

Table 2 : Contents of Course

Paper 1					
Sr. No	A2 List of Topics	B2 Term	C2 Marks	D2 Lecture hours	E2 Non- Lecture hours
1	<p>1. Introduction to Siddha Pathology</p> <ul style="list-style-type: none"> • 1.1 Ethical attributes of a Siddha doctor according to Siddha concept -Maruthuvan Ilakkanam. • 1.2 Definition of Noi (Disease), Noi Naadal (Strategic approach of disease) - Importance of Noi Naadal (Siddha Pathology), Therapeutic patterns (Mani, Manthiram, Avizhtham), Pinigalukku Kaaranam (Etiology of diseases) according to Theran Karisal. • 1.3 Pinigalukku mudhar karanam (Primary causes of various disease) according to Therayar. • 1.4 Pinikalin thoguppu (Classification of diseases) according to Agathiyar Vaithiya Rathina churukkam. 	1	8	7	3
2	<p>2. Interrelationship between five elements, six tastes and three humours and abnormalities during their derangements, Yaakkaiyin Ilakkanam (Body Temperament/Siddha Genomics) correlated with diseases</p> <ul style="list-style-type: none"> • 2.1 Yaakkaiyin Ilakkanam (Body Temperament/Siddha Genomics) and its types, Yaakkaiyin Imboothakooru / Aga, Pura karivigal 25 (Five Elemental Theory in body) according to Sathaga Naadi and Thirumoolar • 2.2 Imbootha Niram (Colour of Five elements), Imbootha koorupadudaiyavagalin Panpugal (Qualities of Five Elemental Substances), Interrelationship between five elements, six tastes and three humours, Interrelationship between Five elements and seven physical constituents. • 2.3 Determination of Suvai (Tastes), Gunam (Characteristics), Veeriyam (Potency/Effects), Vibagam (Ultimate tastes), Prabhavam (Metabolic transformation of tastes) 	3	12	8	4
SIDUG-NN1 - II B.S.M.S, NCISM					
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	<p>based approach for diagnosis and treatment - Intervention of Thirithodam (Three humours) and Suvaigal.</p> <ul style="list-style-type: none"> • 2.4 Tastes augmenting Thirithodam: Suvai - Migu gunam, Kurai gunam (Augmenting and diminishing characteristics of Taste) • 2.5 Diagnostic analytics for 9 types of Yaakkai based on Suvai (Taste), Gunam (Characteristics), Veeriyam (Potency/effect). 				
3	<p>3. Uyiranal (Basal fire for survival), Udal thee (Metabolic fire) and Mandham, Udal Vanmai</p> <ul style="list-style-type: none"> • 3.1 Udal Vanmai (Immunity). • 3.2 Uyiranal • 3.3 Udal thee and its types • 3.4 Mandham/Aamam (Diminished metabolic fire). • 3.5 Marunthunnum Kaalam (Period of Medication). • 3.6 Piniyalan thalai vaithu paduka vendiya thisaigal (Patient's ideal Sleeping Directions) 	1	2	2	1
4	<p>4. Variations of Seven Udal thathukkal (Physical constituents)</p> <ul style="list-style-type: none"> • 4.1 Formation and Nature of Udal Thaathukkal. • 4.2 Augmenting and diminishing characteristics of Saaram (Nutrient juice), Chenneer (Blood), Oon (Muscle), Kozhuppu (Fat and adipose tissue), Enbu (Bone, joint and Teeth), Moolai (Bone marrow and nervous tissue), Sukkilam / Suronitham (Semen or Ovum) - Migu gunam, Kurai gunam. • 4.3 Formation and Nature of Upathaathukkal and Malangal 	3	7	5	4
5	<p>5. Mukkutra Iyal (Three Humoural variations)</p> <ul style="list-style-type: none"> • 5.1 Formation Uyir thathukkal (Three humors) • 5.2 Derangement of Uyir thathukkal - Migu gunam and Kurai gunam. 	2	19	15	7

	<ul style="list-style-type: none"> • 5.3 Features of Three humors: Thannilai valarchi (Insitu escalation) - Vettrunilai valarchi (Ectopic escalation), Thannilai Adaithal (Resituation) . • 5.4 Vaatha, Pitha and Kabam thodam vanmaiadayum nilaiyil velippadam 6 gunangal (Qualities due to thriving Vatham, Pitham and Kabam) and vanmaiai neekakoodiya 6 ethir gunangal (Antagonistic qualities to balance the thrived Vatham, Pitham and Kabam). • 5.5 Role of Vaatham in derangement of 14 Natural urges. 				
6	<p>6. Ennvagai thervu (Eight fold criterion)</p> <ul style="list-style-type: none"> • 6.1 Naadi - Definition - Importance of Naadi - Cardinal role of Naadi among the Ennvagai Thervugal -Thani and thondha naadiyin Maathirai Alavu - Naadi variations according to time and seasons - Preponderant period of Vatham, Pitham and Kabam Naadi - Conditions responsible for irregular pulse rhythm : Naadi Padapadathu odum nilai (Palpitation), Naadi kuraiyum nilai (Decreased pulse rate), Naadi sariyaga thondratha nilai (Feeble pulse) - Yaathirai Naadi (Fatal Pulse) –Thondha Naadi Kurigunangal (Symptoms of conjoined Pulse) - Disease with Naadi changes according to Sathaga Naadi. • 6.1.1 Thasanaadi and Thasavaayu Pathway, • 6.1.2 Bootha Naadi, Panchabootha Naadi, Pura Naadi - Guru Naadi • 6.1.3 Role of Saram in assessing Naadi • 6.1.4 Diagnosis of Pooppukaala (Menstrual cycle) Naadi, Karppa (Pregnancy) Naadi, Kuzhanthai inmai (Infertility) Naadi in various concepts. • 6.1.5 Theerum - Naadi and kurigunam (Pulse Rhythm of easily Curable clinical conditions without medications), Saathiya - Naadi and kurigunam (Pulse Rhythm of Curable clinical conditions with some medications), Theera -Naadi and kurigunam (Abnormal Pulse Rhythm of incurable diseases i.e. clinical symptoms may not be present) • 6.1.6 Asaathiya - Naadi and kurigunam (Abnormal Pulse Rhythm sometimes turn to saathiyam sometimes leads to fatal), Maranna - Naadi and kurigunam (Abnormal Pulse Rhythm of Fatal 	2	40	18	8

- clinical conditions).
- 6.2 Thodukuri / Sparism - Definition - Formation and functions of Sparism - Nature of Sparism, Abnormality in changes of Sparism - Diseases with Sparism changes - Correlation with Naadi - ways to predict mortality by assessing perception and texture of skin .
 - 6.3 Naa(Tongue) and Oral cavity - Definition - Formation and functions of the tongue and oral cavity - Nature of tongue, abnormality in changes of Tongue - Diseases with tongue, tooth, gum, palates, uvula, tonsils, larynx and pharynx - Correlation with Naadi - ways to predict mortality by assessing the saliva .
 - 6.4 Niram - Definition, Formation of Niram - Nature of Niram - Abnormality in changes of Niram - Disease with Niram changes - Correlation with Naadi - ways to identify mortality condition through skin colour examination.
 - 6.5 Mozhi (Sound/Speech) - Definition, Formation and functions of Mozhi, Nature of Mozhi, Abnormality in changes of Mozhi, Diseases with Mozhi changes - Correlation with Naadi, ways to predict the mortality by examination of speech.
 - 6.6 Vizhi (Eye) - Definition, Formation and functions of Vizhi, Nature of Vizhi, Abnormality in changes of Vizhi, Diseases with Vizhi changes - Correlation with Naadi.
 - 6.7 Malam(Stool) - Definition, Formation of Malam, Nature of Malam, Abnormality in changes of Malam in various diseases from malakudal to aasanaavaai (sigmoid colon to anus) - Correlation with Naadi
 - 6.8 Moothiram / Siruneer(Urine) - Definition, Formation of Moothiram, Nature of Moothiram, Abnormality in changes of Moothiram in various diseases from siruneeragam to salavaasal (kidney to urethral orifice)-Correlation with Naadi
 - 6.8.1 Neerin ilakkanam (Ethical attributes) of Neerkkuri and Neikkuri procedures - characteristics of Urine.
 - 6.8.2 Neerkkuri (Urine general examination):
 - 6.8.2.1 Niram (colour)
 - 6.8.2.2 Mannam (Odour)
 - 6.8.2.3 Nurai (Froth)
 - 6.8.2.4 Edai (Consistency/Density/Quantity)
 - 6.8.2.5 Enjal (Deposits)
 - Features of urine Niram (colour), Mannam (Odour), Nurai (Froth), Edai (Consistency / Density) - Enjal (Quantity and Deposits) and their derangement in

	<p>various diseases. The characteristic colour of urine due to Vaatha, Pitha and Kaba Koba neer (superfluity of three humors) - urine characteristics in various clinical conditions - Urine examination based on colour by Theraiyar yamagam - Five colour variations of urine in various diseases - features of urine in incurable diseased conditions - Colour variations of urine in Vaatha, Pitha and Kaba diseases.</p> <ul style="list-style-type: none"> • 6.8.3 Neikkuri : The different changes (Spreading nature)observed when the oil dropped on the urine. • Unique features of Neikkuri, Procedure of Neikkuri examination, Neikkuri features of curable and incurable clinical conditions, Characteristic Neikkuri patterns of urine exhibited in various Thodams, Different schools of thoughts about Neikkuri pattern by Theraiyar and Gowthamar • 6.8.4 Other special examination procedures using pig fat, mother's milk and patient's blood. • 6.9 Thasavitha Paritchai • 6.10 Thuthuvan lathanam (Ethical attributes of Envoy), 10 types of Avathaigal (phase of Death) 				
7	<p>7. Special diagnostic methods in Siddha system.</p> <ul style="list-style-type: none"> • 7.1 Manikkadai Nool • 7.2 Basics and concepts of Maruthuva Jothidam (Medical Astrology) in diagnosing the diseases - Definition of Maruthuva Jothidam - Introduction to Jothidam-Raasi, Natchathram, Thithi, Lagnam, Bhavagam - Importance of 6th, 8th and 12th Bhavagam for prediction and treatment of diseases. • 7.3 Basics and concepts of Pancha Patchi Saasthiram (Pancha patchi Saasthiram in diagnosing the diseases) - Introduction to Pancha patchi/Iympul vidhi - 5 kinds of birds - Valluru(Vulture), Aandhai(Owl), kaaham (Crow), Kozhi(Cock), Mayil (Peacock) - Biorhythm of 5 birds [Arasu (Rule), Oon (Eat), Nadai (Walk), Thuyil (Sleep), Saavu (Death)] - Interpretation of individual's Patchi with activities by using chart. • 7.4 Varma Noi Naadal- Varmam, Varma noi, Saram, derangements of saram, Twelve types of Varma naadikal pathways through diagnostic analytics, • 7.5 Amirtha Nilai and Visha Nilai 	1	12	5	3

Total Marks		100	60 hr	30 hr

Paper 2					
Sr. No	A2 List of Topics	B2 Term	C2 Marks	D2 Lecture hours	E2 Non- Lecture hours
8	<p>1. Suram, Muppini, Ammai Noi, Vippuruthi, Valippu, Ulapirazhvu Noi.</p> <p>Iyal (Definition), Veru peyargal (Synonyms), Mudhal Kaaranam (Primary cause), Noi varum vazhi (Etiology), Murkurigunangal and Pothu kurigunangal (premonitory and common signs and symptoms), Siddha pathogenesis (Mukkutra verupadu), Naadi nadai, Noi Enn (numbers) and Vagaigal (Types) and Theerum Theeratha Nilaigal (Curable and incurable conditions) of</p> <ul style="list-style-type: none"> • 1.1 Suram - 64 Types out of which 17 types are elaborated • 1.2 Muppini - 13 Types (Yugimuni concept) • 1.3 Ammai Noi - 14 Types • 1.4 Vippuruthi - 7 types (Yugimuni concept) • 1.5 Valippu - 5 Types (General topics are alone discussed) • 1.6 Ulapirazhvu Noi - (Kiriya - General topics are alone discussed) 	1	6	7	3
9	<p>2. Siddha Respiratory Diseases</p> <p>Iyal (Definition), Veru peyargal (Synonyms), Noi mudhal Kaaranam (Primary cause), Noi varum vazhi (Etiology), Murkurigunangal and Pothu kurigunangal (premonitory and common signs and symptoms), Siddha pathogenesis (Mukkutra verupadu), Naadi nadai, Noi Enn (numbers) and Vagaigal (Types) and Theerum Theeratha Nilaigal (Curable and incurable conditions) of</p>	1	17	6	5

	<ul style="list-style-type: none"> • 2.1 Kurarkammal - 6 Types • 2.2 Mookadaippu Noi - 9 Types • 2.3 Irumal Noi - 12 Types and 5 types (Yugimuni concept) • 2.4 Iraippu Noi - 5 Types • 2.5 Illaippu Noi - 7 Types • 2.6 Ulaimanthai - 4 Types 				
10	<p>3. Siddha Cardio vascular Diseases and Haematology</p> <p>Iyal (Definition), Veru peyargal (Synonyms), Mudhal Kaaranam (Primary cause), Noi varum vazhi (Etiology), Murkurigunangal and Pothu kurigunangal (premonitory and common signs and symptoms), Siddha pathogenesis (Mukkuutra verupadu),Naadi nadai, Noi Enn (numbers) and Vagaigal (Types) and Theerum Theeratha Nilaigal (Curable and incurable conditions) of</p> <ul style="list-style-type: none"> • 3.1 Thamaraga noi - 5 Types • 3.2 Adhi Kuruthi azhuththam • 3.3 Kuruthi azhal Noi - 8 Types • 3.4 Paandu Noi - 6 Types • 3.5 Sobai Noi - 4 Types • 3.6 Kaamalai Noi - 13 Types 	2	13	8	4
11	<p>4. Siddha Gastrointestinal diseases</p> <p>Iyal (Definition), Veru peyargal (Synonyms), Mudhal Kaaranam (Primary cause), Noi varum vazhi (Etiology), Murkurigunangal and Pothu kurigunangal (premonitory and common signs and symptoms), Siddha pathogenesis (Mukkuutra verupadu), Naadi nadai, Noi Enn (numbers) and Vagaigal (Types) and Theerum Theeratha Nilaigal (Curable and incurable conditions) of</p> <ul style="list-style-type: none"> • 4.1 Suvaiyinmai - 5 Types out of which 1 type is Elaborated • 4.2 Neervetkai - 6 Types out of which 2 types are Elaborated • 4.3 Seriyamai - 4 Types 	2	24	15	6

	<ul style="list-style-type: none"> • 4.4 Vikkal - 5 Types out of which 1 type is Elaborated • 4.5 Vaanthi - 11 Types out of which 5 types are Elaborated • 4.6 Maantham - 3 Types out of which 1 type is Elaborated • 4.7 Kunmam - 8 Types • 4.8 Soolai Noi - 15 Types out of which 6 types are Elaborated • 4.9 Kudarpidippu Noi - 4 Types • 4.10 Kalleeral noi - 3 Types • 4.11 Manneeral noi - 4 Types • 4.12 Peruvayiru - 32 Types out of which 16 types are Elaborated • 4.13 Perunkazhichal - 8 Types • 4.14 Nina kazhichal - 11 Types • 4.15 Kaduppu kazhichal • 4.16 Oozhi - 3 Types • 4.17 Moola Noi - General topics are alone discussed 				
12	<p>5. Siddha Genitourinary Diseases</p> <p>Iyal (Definition), Veru peyargal (Synonyms), Mudhal Kaaranam (Primary cause), Noi varum vazhi (Etiology), Murkurigunangal and Pothu kurigunangal (premonitory and common signs and symptoms), Siddha pathogenesis (Mukutra verupadu),Naadi nadai, Noi Enn (numbers) and Vagaigal (Types) and Theerum Theeratha Nilaigal (Curable and incurable conditions) of</p> <ul style="list-style-type: none"> • 5.1 Neerinai Arukkal Noigal (Conditions of Reduced urinary output) : • Kalladaippu - 4 Types • Neersurukku - 4 Types • Neerkattu • Chottu Neer - 2 Types • Neeradaippu • Sathaiyadaippu • Vellai Noi - General topics and 21 Types name are alone discussed • 5.2 Neerinai Perukkal noigal : • Mega neer - 20 Types • Mega neer -Avathaigal(10) 	3	7	3	3

	<ul style="list-style-type: none"> • Mega Neer Katti - 10 Types • Madhumegam • Theli neer • Veneer Neer 				
13	<p>6. Siddha Dermatology</p> <p>Iyal (Definition), Veru peyargal (Synonyms), Mudhal Kaaranam (Primary cause), Noi varum vazhi (Etiology), Murkurigunangal and Pothu kurigunangal (premonitory and common signs and symptoms), Siddha pathogenesis (Mukutra verupadu), Naadi nadai, Noi Enn (numbers) and Vagaigal (Types) and Theerum Theeratha Nilaigal (Curable and incurable conditions) of</p> <ul style="list-style-type: none"> • 6.1 Karappan- 7 Types • 6.2 Kaalanjaga padai • 6.3 Venpadai - 4 Types • 6.4 Padarthamarai • 6.5 Puzhuvettu 	1	8	5	3
14	<p>7. Siddha Gynaecological diseases and Infertility</p> <p>Iyal (Definition), Veru peyargal (Synonyms), Mudhal Kaaranam (Primary cause), Noi varum vazhi (Etiology), Murkurigunangal and Pothu kurigunangal (premonitory and common signs and symptoms), Siddha pathogenesis (Mukutra verupadu),Naadi nadai, Noi Enn (numbers) and Vagaigal (Types) and Theerum Theeratha Nilaigal (Curable and incurable conditions) of</p> <ul style="list-style-type: none"> • 7.1 Soothaga Kattu • 7.2 Soothaga vaayu/ Soothaga vali • 7.3 Soothaga kiraani • 7.4 Perumpaadu • 7.5 Yoni kasivu- Vellai noi • 7.6 Nagirkatti • 7.7 Kuzhanthai Perinmai - Male and Female 	3	8	6	3

15		3	17	10	3
8. Vaatham , Pitham, Kabam (Musculoskeletal and Neurologic diseases)					
<p>Iyal (Definition), Veru peyargal (Synonyms), Mudhal Kaaranam (Primary cause), Noi varum vazhi (Etiology), Murkurigunangal and Pothu kurigunangal (premonitory and common signs and symptoms), Siddha pathogenesis (Mukkutra verupadu), Naadi nadai, Noi Enn (numbers) and Vagaigal (Types) and Theerum Theeratha Nilaigal (Curable and incurable conditions) of</p>					
<p>8.1 Vaatham : (80 Types out of which 22 types are Elaborated)</p>					
<ul style="list-style-type: none"> • 1. Vaathasthambam • 2. Vaathakarshanam • 3. Kaalanjaga Vaatham • 4. Narithalai Vaatham • 5. Kumba Vaatham • 6. Netri soolai Vaatham • 7. Sevi soolai Vaatham • 8. Pakka Vaatham • 9. Patcha Vaatham • 10. Nadukku Vaatham • 11. Sahana Vaatham • 12. Thandaga Vaatham • 13. Arputha Vatham • 14. Uraga Vaatham • 15. Uthara Vaatham • 16. Sirakkamba vaatham • 17. Kudal Vaatham • 18. Uthira Vaatham • 19. Sooriya vartham • 20. Chandra vartham • 21. Oru thalai aavarthana Vaatham • 22. Thantha Vaayu 					
<p>8.2 Pitham : (42 Types out of which 8 types are Elaborated)</p>					
<ul style="list-style-type: none"> • 1. Vihara Pitham • 2. Virana Pitham • 3. Uraththa Pitham • 4. Ratha Pitham • 5. Kaasa Pitham • 6. Eri Pitham • 7. Kanda Pitham 					

	<ul style="list-style-type: none"> • 8. Athisaara Pitham <p>8.3 Kabam: (21 Types out of which 7 types are Elaborated)</p> <ul style="list-style-type: none"> • 1. Irumal Iya Noi • 2. Iraippu Iya Noi • 3. Mantha Iya Noi • 4. Pasi Iya Noi • 5. Sura Iya Noi • 6. Perunkazhichal Iya Noi • 7. Virana Iya Noi 				
Total Marks			100	60 hr	30 hr

Table 3: Learning objectives (Theory) of Course

Paper 1									
A3 Course outcome	B3 Learning Objective (At the end of the session, the students should be able to)	C3 Dom ain/s ub	D3 Must to know / desirable to know / Nice to know	E3 Level Does/ Show s how/ Kno ws how/ Kno w	F3 T-L meth od	G3 Assessment (Refer abbr eviations)	H3 Form ative/ sum mative	I3 Term	J3 Integ ratio n
Topic 1									
1. Introduction to Siddha Pathology									
(Lecture :7 hours, Non lecture: 3 hours)									
CO1	State the ethical attributes of a Siddha doctor (Maruthuvan Ilakkanam) according to Siddha concept.	CK	MK	K	L&PP T		F&S	I	
CO1	Define Noi (Disease)	CK	MK	K	L&PP T		F&S	I	
CO1	Define Noi Nadal (Strategic approach of disease)	CK	MK	K	L&PP T		F&S	I	
CO1	Explain the importance of Noi Nadal	CC	MK	K	L&G D		F&S	I	

CO1	Explain the siddha Etiology of diseases according to Theran Karisal (Pinigalin Kaaranam)	CC	MK	K	L&PP T		F&S	I	
CO1	Describe Piniyin muthar kaaranam (Preliminary disease approach) according to Theraiyar versus	CK	MK	K	L&G D	P-VIVA	F&S	I	
CO1	Enumurate the classification of diseases according to Agathiyar Vaithiya Rathina churukkam.	CK	MK	K	L&PP T	T-OBT,O-QZ	F&S	I	
CO1	Describe the concepts of Siddha Therapeutic patterns (Mani, Mandhiram and Avizhtham)	CK	MK	K	L&PP T		F&S	I	
CO1	Define Mudras.	CK	DK	KH	L&PP T		F&S	I	
CO1	Explain the association of Five elements and Five chief vaayus pertaining to digits of palm.	CC	DK	KH	L&G D	CL-PR	F&S	I	
CO1	Justify the vital role of Mudras in balancing the energy flow of body on derangements of Five chief vaayus.	AFT- RES	DK	KH	L&G D		F	I	
CO1	Demonstrate the chief vaayu Mudras along with their clinical importance	PSY- GUD	DK	KH	SDL, KL		F	I	
CO1	Describe the importance of Siddhar kaalakanitham in diagnostic analytics	CK	MK	K	L&G D,SD L,RL E		F&S	I	

Topic 2**2. Interrelationship between five elements, six tastes and three humours and abnormalities during their derangements, Yaakkaiyin Ilakkanam (Body Temperament/Siddha Genomics) correlated with diseases****(Lecture :8 hours, Non lecture: 4 hours)**

CO1	Define Yaakkai	CK	MK	K	L&G D,D		F&S	III	
CO1	Describe the ethical attributes of Vaatha, Pitha and Kaba Yaakkai (Body Temperament/Siddha Genomics)	CK	MK	K	D-M	WP,M-MOD	F&S	III	
CO1	Explain the characteristics of conjoined body type (Body Temperament/Siddha Genomics)	CC	MK	K	FC,PL	QZ	F&S	III	
CO2	Explain the Five Elemental Theory in body according to Sathaga Naadi and Thirumoolar (Thegam Imboothakooru/ Seeva Sookuma Sareerangal) (Aga karuvikal, Pura karuvigal 25)	CC	MK	K	L&PP T		F&S	III	
CO2	State the colours of five elements (Imbootha Niram)	CK	MK	K	L_VC ,ML		F&S	III	
CO2	List the qualities of Five Elemental substances (Imbootha koorupadutaiya Porul Pannpugal)	CK	MK	K	L&PP T	PA	F&S	III	
CO2	Explain the Taste (Suvai), Characteristics (Gunam), Effect (Veeriyam), Ultimate taste (Vibagam) and Metabolic transformation of taste (Prabhavam) based approach for diagnosis and treatment.	CC	MK	K	TBL		F&S	III	

CO2	Explain the augmenting and diminishing characteristics of six tastes (Suvai Migu gunam, Kurai gunam)	CC	MK	K	L&PP T,TB L	SP	F&S	III	
CO2	Discuss the diagnostic analytics for 9 types of Thegi based on Taste (Suvai), Characteristics (Gunam), Effect (Veeriyam) and Ultimate taste (Vibagam)	CAP	MK	K	TBL, SIM		F&S	III	
CO2	Discuss the interrelationship between five elements, six tastes and three humours	CAP	MK	K	L&PP T	QZ ,PA	F&S	III	
CO2	Discuss the interrelationship between Pancha bootham (Five elements) and seven physical constituents through mapping with Purakaruvigal	CAP	MK	K	L&PP T		F&S	III	
CO2	Describe the intervention of taste in Three humours (Thirithodam & Suvaigal)	CK	MK	K	L&G D		F&S	III	
CO2	Explain the tastes augmenting three humours (Thirithodam Miguthi paduthum suvaigal)	CC	MK	K	L&G D		F&S	III	
CO2	Discuss the tastes neutralizing the augmented three humours (Thirithodam Samanapaduthum suvaigal)	CAP	MK	K	L&G D		F&S	III	
CO2	Discuss the relationship between Panchabootham and Imporigal	AFT- RES	DK	KH	EDU		F	III	

CO2	Discuss the concept of evolution of Udal Thaathukkal by combination of Panchaboothams	AFT-RES	DK	KH	PL		F	III	
CO2	Discuss the embryological development of organs from the primordial germ layers	AFT-RES	NK	KH	FC,ML	M-MOD	F	III	
CO2	Design a diagnostic analytic pattern for a OPD/IPD patient based on Taste (Suvai), Characteristics (Gunam), Effect (Veeriyam) and Ultimate taste (Vibagam)	PSY-GUD	NK	SH	EDU, SIM	SA	F	III	
CO2	Construct a questionnaire to assess Thondha Thegi	PSY-GUD	NK	SH	EDU, PL, RLE	O-QZ	F	III	

Topic 3

3. Uyiranal (Basal fire for survival), Udal thee (Metabolic fire) and Mandham, Udal Vanmai

(Lecture :2 hours, Non lecture: 1 hours)

CO1	Define and explain about Uyiranal (Basal fire for survival) with Siddha versus	CK	MK	K	L&PPT		F&S	I	
CO1	Define Udal Thee (Metabolic fire)	CK	MK	K	L&PPT		F&S	I	
CO1	Explain the types of Udal Thee	CC	MK	K	L&PPT		F&S	I	
CO1	Define Udal Vanmai	CK	MK	K	L&PP		F&S	I	

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CO1	Describe the types of Udal Vanmai	CK	MK	K	L&PP T		F&S	I	
CO1	Compare the Iyarkai and Seyarkai Udal Vanmai with Innate and Acquired immunity	AFT- RES	DK	KH	DIS, ML	DEB,PA	F	I	
CO1	Compare the Kaala Vanmai with Dynamics of Seasonal adaptation.	AFT- RES	DK	KH	DIS,B S,ML		F	I	H-NA VO
CO1	Describe the virtuous days of a week to commence medication (Marundhunnum Kaalam)	CK	MK	K	L,DIS ,RLE		F&S	I	
CO1	State the Ideal sleeping direction for a patient (Piniyaalan Thalaivaithu Padukka vendiya Thisai)	CK	MK	K	L,DIS ,RLE		F&S	I	
CO1	Justify the scientific reason for not sleeping with head towards North direction and preference of East direction	AFT- RES	DK	KH	BS		F	I	

Topic 4

4. Variations of Seven Udal thathukkal (Physical constituents)

(Lecture :5 hours, Non lecture: 4 hours)

CO2	Define Udal thathukkal	CK	MK	K	L&PP T		F&S	II	
CO2	Describe the pivotal functions of Udal Thaathukal (Iyarkkai	CK	MK	K	L&PP		F&S	II	V-UT

	panbu)				T				
CO2	Enumerate the augmenting and diminishing characteristics of Saaram (Migu gunam, Kurai gunam of Nutrient juice)	CK	MK	K	L&G D	INT,PA	F&S	II	
CO2	State the augmenting and diminishing characteristics of Senneer (Migu gunam, Kurai gunam of Blood)	CK	MK	K	L&G D	PA	F&S	II	
CO2	List the augmenting and diminishing characteristics of Oon (Migu gunam, Kurai gunam of Muscle)	CK	MK	K	L&G D	Mini-CEX,PA	F&S	II	
CO2	State the augmenting and diminishing characteristics of Kozhuppu (Migu gunam, Kurai gunam of fat and adipose tissue)	CK	MK	K	L&G D	QZ	F&S	II	
CO2	Enumerate the augmenting and diminishing characteristics of Enbu (Migu gunam, Kurai gunam of bone and Teeth)	CK	MK	K	L&G D		F&S	II	
CO2	List the augmenting and diminishing characteristics of Moolai (Migu gunam, Kurai gunam of bone marrow and nervous tissue)	CK	MK	K	L&PP T	PA	F&S	II	
CO2	State the augmenting and diminishing characteristics of Sukilam/suronitham (Migu gunam, Kurai gunam of semen or ovum)	CK	MK	K	L&PP T		F&S	II	
CO2	Define Uba thaathukkal and Malangal	CK	MK	K	L&PP T		F&S	II	

CO2	Describe the formation of Uba thaathukal and Malangal	CK	MK	K	L&G D		F&S	II	
CO2	Discuss the involvement of Ubathaathukkal and Malangal in stepwise metamorphosis of 7 Udal Thaathukkal	CC	MK	K	L&PP T		F&S	II	
Topic 5									
5. Mukkuttra Iyal (Three Humoural variations)									
(Lecture :15 hours, Non lecture: 7 hours)									
CO2	Define Uyir thathukkal and Mukkuttram	CK	NK	K	L,DIS		F&S	II	
CO2	Enumerate the difference between Uyir thathukkal and Mukkuttram	CK	MK	K	L&G D		F&S	II	
CO2	Enumerate the augmenting and diminishing characteristics (Migu gunam, Kurai gunam) of Vaatham	CK	MK	K	L&PP T	T-OBT	F&S	II	
CO2	State the augmenting and diminishing characteristics (Migu gunam, Kurai gunam) of Pitham	CK	MK	K	L&G D	T-OBT	F&S	II	
CO2	List the augmenting and diminishing characteristics (Migu gunam, Kurai gunam) of Kabam	CK	MK	K	L&G D	T-OBT	F&S	II	
CO2	Define Thannilai valarchi (Insitu escalation of Mukkuttram)	CK	MK	K	L&PP T		F&S	II	

CO2	Define Vetrunilai valarchi (Ectopic escalation of Mukkutram)	CK	MK	K	L&PP T		F&S	II	
CO2	Define Thannilai Adaithal (Resitution of Mukkutram)	CK	MK	K	L&G D	O-GAME	F&S	II	
CO2	State the seasons (Perumpoluthu) in which Vaatham attains variation in Thannilai valarchi (Insitu escalation), Vetrunilai valarchi (Ectopic escalation) and Thannilai Adaithal (Resitution).	CK	MK	K	KL,R LE		F&S	II	
CO2	List the seasons (Perumpoluthu) in which Pitham attains variation in Thannilai valarchi (Insitu escalation), Vetrunilai valarchi (Ectopic escalation) and Thannilai Adaithal (Resitution).	CK	MK	K	L&G D,RL E		F&S	II	
CO2	List the seasons (Perumpoluthu) in which kabam attains variation in Thannilai valarchi (Insitu escalation), Vetrunilai valarchi (Ectopic escalation) and Thannilai Adaithal (Resitution).	CK	MK	K	L&G D		F&S	II	
CO2	State the peculiar reason how mukkutram remains in thannilai valarchi (insitu escalation), which is supposed to attain Vetrunilai valarchi (ectopic escalation) in certain perumpoluthu	CK	MK	K	L&G D		F&S	II	
CO2	Enumerate the six inherent qualities of thriving Vaatham (Vaatha thodam vanmaidaiyum 6 gunangal)	CK	MK	K	L&G D	WP	F&S	II	
CO2	Sate the six Antagonistic qualities to balance thriving Vaatham (Vaatha thodam vanmai neekakoodiya 6 Ethir gunangal)	CK	MK	K	L&G D	WP	F&S	II	

CO2	List the six inherent qualities of thriving Pitham (Pitha thodam vanmaiadaiyum 6 gunangal)	CK	MK	K	L&PP T	QZ ,WP	F&S	II	
CO2	Enumerate the six Antagonistic qualities to balance thriving Pitham (Pitha thodam vanmai neekakoodiya 6 Ethir gunangal)	CK	MK	K	L,DIS		F&S	II	
CO2	State the six inherent qualities of thriving Kabam (Kaba thodam vanmaiadaiyum 6 gunangal)	CK	MK	K	L&G D		F&S	II	
CO2	Enumerate the six Antagonistic qualities to balance thriving Kabam (Kaba thodam vanmai neekakoodiya 6 Ethir gunangal)	CK	MK	K	L&G D		F&S	II	
CO2	Describe relationship between trihumoural & 7 Physical constituent derangements (Influence of mukutram in 7 Udalthaathukkal)	CK	MK	K	L&G D,CD		F&S	II	V-UT
CO2	Describe the three humoral life span concept (Aayul Thoda Nirnayam) as per Sathaga Naadi ,Rathina Surukka Naadi and Varma naadi	CK	MK	K	L&G D	QZ	F&S	II	
CO2	Explain the Differential theory of Uyir Thaathu into Vaatham, Pitham and Kabam (Uyirthaathuvaagiya Seevasakthi Thegathil Vaatha, Pitha, Kabamaaga Piriya Thathuvam)	CK	MK	K	L&G D		F&S	II	
CO2	Interpret the vital role of Uyir Thaathu in coordinating the body's primary functions through Trihumoral nutrients(Vaatha, Pitha, Kaba sathukkal)	CC	MK	K	L&G D		F&S	II	

	[Thegathil nivalum Mutholilgal nadaiperum vitham]								
CO2	Define fourteen Natural Urges (Vegangal)	CK	MK	K	L	QZ	F&S	II	V-UT
CO2	Explain the clinical manifestations occurring due to suppression of 14 Vegangal (Natural Urges)	CK	MK	K	L&G D	SA	F&S	II	
CO2	Describe the role of Vaatham in derangement of 14 Vegangal (Natural Urges) for diagnostic analytics	CK	MK	K	L&G D	T-OBT	F&S	II	
CO2	Discuss the principles to assess Maathirai Alavu for diagnostic analytics	CC	MK	K	L&PP T		F&S	II	
CO2	Discuss the Predominant locations, Properties, physiological role and classifications of Vaatham, Pitham and Kabam	CC	MK	K	L&PP T	DEB	F&S	II	
CO2	Initiate the student for therapeutic approach of Vatha, Pitha and Kaba kuttram (Trihumoral derangement) on the basis of Suvai aspect.	PSY- GUD	NK	SH	LPW, GBL	Mini-CEX	F	II	
Topic 6									
6. Ennvagai thervu (Eight fold criterion)									
(Lecture :18 hours, Non lecture: 8 hours)									
CO2	Define Piniari Muraimai	CK	MK	K	L&PP T		F&S	II	

CO2	State the Stepwise assessment of Piniari Muraimai (Poriyaal Therthal, Pulanaalarithal, Vinaathal)	CK	MK	K	L&PP T	QZ	F&S	II	
CO2	List the components of Ennvagai Thervu	CK	MK	K	L&PP T		F&S	II	
CO2	Summarize the format for Noi Kurippedu (Case sheet format)	CC	MK	K	L&G D		F&S	II	
CO2,CO4	Define Naadi	CK	MK	K	CD,D		F&S	II	
CO2,CO4	Explain about Thaathuvin Thathuva Vilakkam represented by Naadi	CK	MK	K	L&PP T		F&S	II	
CO2,CO4	Describe about Uru Thotram of Naadi	CK	MK	K	L&PP T		F&S	II	
CO2,CO4	Interpret the cardinal role of Naadi among the Ennvagai Thervugal	CC	MK	K	L&PP T		F&S	II	
CO2,CO4	Explain about preference of Kara Naadi (Kara naadi siranthathu)	CC	MK	K	L&G D		F&S	II	
CO2,CO4	Describe the formation of Vaatha Naadi, Pitha Naadi, Kaba Naadi	CK	MK	K	L&G D	PA	F&S	II	
CO2,CO4	Describe the Maathirai Alavu (ratio) of Naadi	CK	MK	K	L&PP T		F&S	II	
CO2,CO4	Explain about the Thondha Naadi Maathirai alavu	CC	MK	K	L&PP		F&S	II	

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CO2,CO4	Describe about characteristics of Conjoined Naadi (Thondha naadi)	CK	MK	K	L&PP T,TB L		F&S	II	
CO2,CO4	Interpret the Naadi (pulse) variations according to time and seasons	CC	MK	K	L&G D		F&S	II	
CO2,CO4	State the preponderant period of Vaatham,Pitham and Kabam Naadi	CK	MK	K	L&PP T	QZ	F&S	II	
CO2,CO4	Quote the Sathaga Naadi versus enumerating the signs and symptoms of Mukktra derangements	CK	MK	K	REC	WP	F&S	II	
CO2,CO4	State the conditions responsible for irregular pulse rhythm (Naadi nadai Palpitation [Padapadathu odum nilai], decreased pulse [kuraiyum nilai], feeble pulse [saryaaga thondratha nilai])	CK	MK	K	L_VC	C-VC	F&S	II	
CO4	Define and explain about Yaathirai Naadi	CK	MK	K	L&G D		F&S	II	
CO4	Define Pancha Bootha naadi	CK	MK	K	L&PP T	M-CHT	F&S	II	
CO2,CO4	Interpret the Bootha Naadi	CC	MK	K	L&G D		F&S	II	
CO4	Define Guru Naadi	CK	MK	K	L&PP T,AC T	INT	F&S	II	

CO4	Explain the Guru Naadi Genesis (Guru Naadi pirappu)	CC	MK	K	L&PP T		F&S	II	
CO2,CO4	Explain the formation of 72,000 Naadi from Guru naadi	CC	MK	K	L,DIS		F&S	II	
CO2,CO4	Describe the specialities of Guru Naadi	CK	MK	K	L&PP T		F&S	II	
CO2,CO4	Discuss the abnormalities of Guru Naadi	CC	MK	K	L&PP T		F&S	II	
CO3	Define Dhasa Vaayu and describe the cardinal role of Dhasa Vaayu in diagnostic analytics	CK	MK	K	L&PP T		F&S	II	
CO3	Discuss the relationship between Dhasa Vaayukkal and Dhasa Naadigal	CC	MK	K	L&G D		F&S	II	
CO3	Explain the Dhasa Naadigal Pathways	CC	MK	K	L_VC ,D	M-MOD	F&S	II	
CO4	Discuss the Role of Saram in precise assessment of Naadi	CC	MK	K	L&G D	PA	F&S	II	
CO4	Explain the assessment of Menstrual cycle, Pregnancy and infertility through Naadi in various concepts	CC	MK	K	L&PP T		F&S	II	
CO4	Describe about Pura Naadi	CK	MK	K	L&PP T		F&S	II	
CO4	Describe about Theerum Nilai, Saathiya Nilai, Theera Nilai, Asaathiya Nilai and Marana Nilai	CK	MK	K	L&PP T		F&S	II	

CO4	Discuss the fatal signs and symptoms of Asaathiya naadi as mentioned in Sikitcha Rathina Dheepam, Kannusamiyam, Vaithiya Saara Sangiragam and Gunavaagada Nadi	CC	MK	K	L&PP T	C-VC	F&S	II	
CO4	Discuss the fatal signs and symptoms of Asaathiya naadi as explained by Agathiyar and Thirumoolar	CC	MK	K	L&PP T	T-OBT	F&S	II	
CO4	Describe the Abnormal Pulse Rhythm patterns of curable and fatal clinical conditions (Saathiya Naadi, Marana Naadi)	CK	MK	K	L&PP T		F&S	II	
CO5	Describe the ethical attributes of Envoy (Thoothuvan Ilakkanam) as per Kannusaamiyam and Viyaasar Naadi Nool	CK	MK	K	L&G D	T-OBT	F&S	II	
CO5	Describe the importance of Envoy's Touch signs (Thodu kuri) to predict curability and mortality as per Siddha Maruthuvaanga Surukkam	CK	MK	K	L&PP T		F&S	II	
CO2,CO4	Explain the 10 Avathaigal (Phases of Death) as mentioned in Thirattu Naadi and Vallathi Naadi	CC	MK	K	L&PP T	QZ	F&S	II	
CO2,CO4	Describe the abnormal characters of pulse (Collapsing pulse, Slow rising pulse, Pulsus alternans, Pulsus paradoxus, Anacrotic pulse, Dicrotic pulse)	AFT- REC	DK	KH	BS		F	II	
CO2	Discuss the Nature of Skin tone based on Yakkai ilakanam (Mukkutram & Mei Niram)	CC	MK	K	L&PP T	QZ	F&S	II	

CO2	Discuss about the face in Three humoral derangement (Muga Niram & Mukkutram)	CC	MK	K	L&PP T		F&S	II	
CO2	Describe the ways to predict mortality by assessing the skin colour and texture examination as per Theraiyar Yamagam (Mei Nirathaal & Sparisathaal Saathal arithal)	CK	MK	K	L&G D	QZ	F&S	II	
CO2	Explain the disease conditions based on the locations of sweat secretion (Viyarvai) as per Siddha Maruthuvaanga Surukkam	CC	MK	K	L&PP T		F&S	II	
CO2	Observe the colour, texture, temperature, touch sensation, continuity and secretions of Skin for a patient in OPD/IPD	PSY- SET	DK	SH	CBL	M-POS	F	II	
CO2	Discuss the body temperature (Thermal Energy) based on Yakkai ilakanam (Udalin Thanmai, Vemmai kondu Mukkutram arithal)	CC	MK	K	L&PP T	SP	F&S	II	
CO2	Discuss the importance of Eye and Ear morphology in predicting Mukkutram (Kannin Kuri, Kaathin Thotram kondu Mukkutramarithal)	CC	MK	K	L&PP T		F&S	II	
CO2	Discuss the importance of Organ palpitations (Jitter) in prediction of fatal conditions (Uruppu Thudithalaal Saathal Kuriarithal)	CC	MK	K	L&G D		F&S	II	
CO2	Explain the shape of tongue and colour of teeth in relation with Yakkai ilakkanam	CC	MK	K	L_VC		F&S	II	

CO2	Discuss the clinical conditions associated with change in colour, coating, size and shape, surface and lesions of tongue	AFT-RES	DK	KH	L_VC		F	II	
CO2	Observe colour, shape, movements, protrusion, deviation, tremor and fissures of the tongue for a patient in OPD/IPD	PSY-SET	DK	SH	CD		F	II	
CO2	Observe colour, shape, fissure/ erosions/lesions of the lip for a patient in OPD/IPD	PSY-SET	DK	SH	CBL, ECE		F	II	
CO2	State the saliva consistency manifested in various diseases as per Theraiyar Yamagam (Vaai Neer Paritchai)	CK	MK	K	L&PP T	QZ	F&S	II	
CO2	Explain the importance of consistency of saliva in predicting the stages of diseases as mentioned in Theraiyar yamagam (Echil Thanmai)	CC	MK	K	L&PP T	T-OBT	F&S	II	
CO2	Observe the colour and consistency of Saliva of a patient in OPD/IPD	PSY-SET	DK	SH	CBL		F	II	
CO2	Describe the methods to predict fatal period by taste sensation as mentioned in Theraiyar yamagam (Suvaiyaal Saathal Arithal)	CK	MK	K	L&PP T		F&S	II	
CO2	Explain the methods to predict fatal period by Smell sensation as mentioned in Theraiyar yamagam (Manathanmaiyaal Saathal Arithal)	CC	MK	K	L&G D		F&S	II	

CO2	Enumerate the characteristics of Sputum as cited in Siddha text Brahmanuni Vaithiya Soothiram	CK	MK	K	L&PP T		F&S	II	
CO2	Discuss the speech nature based on Yakkai ilakanam (Sol Oli)	CC	MK	K	L&G D	QZ	F&S	II	
CO2	Observe the Abnormal voice tone among a group	PSY- SET	DK	SH	CBL		F	II	
CO2	Explain the ways to predict the mortality by Voice Tone as per Theraiyar Yamagam (Oliyaal Saathal Kuri arithal)	CC	MK	K	L&PP T		F&S	II	
CO2	Discuss the characteristics of stool in diagnosing Mukkutram as per Vaidhiya Sindhaamani (Malathaal Mukkutram Arithal)	CC	MK	K	L&PP T		F&S	II	
CO2	State the stool examination (Mala Parisoathanai) as per Theraiyar yamagam	CK	MK	K	L&PP T	T-OBT	F&S	II	
CO2	Discuss the characteristics of stool to predict mortality (Malakuriyaal Saathal, Saavaamai arithal)	CC	MK	K	L&G D,LRI		F&S	II	
CO2	Describe the ways to assess fever and fatal conditions through characteristics of stool (Malathinal Surakuri, Saakuri arithal).	CK	MK	K	L&PP T		F&S	II	
CO2	Establish a comparative view of Bristol Stool Chart with Theraiyar Stool examination in Theraiyar Yamagam (Mala Parisoathanai)	AFT- RES	DK	KH	KL		F	II	

CO2	Quote the sperm examination methods as per Theraiyar Yamagam (Sukkila Thanmai)	CK	MK	K	L_VC ,LRI		F&S	II	
CO2	Describe the ethical attributes of Neerkuri and Neikuri procedures.	CK	MK	K	L&PP T		F&S	II	
CO2	State the ideal time to collect urine for Neerkuri and Neikuri procedure	CK	MK	K	L&PP T		F&S	II	
CO2	Explain the urine examination based on color by Theraiyar yamagam	CC	MK	K	L_VC ,D_L	M-MOD	F&S	II	
CO2	Describe the five colour variations of urine in various diseases.	CK	MK	K	L_VC ,D_L	C-VC,DOPS	F&S	II	
CO2	State the features of urine in incurable diseased conditions	CK	MK	K	L&G D		F&S	II	
CO2	Describe the colour variations of urine in Vatha,Pitha and Kaba diseases	CK	MK	K	L_VC ,LRI		F&S	II	
CO2	Explain the characteristics of urine Quantity (Alavu) and its derangement in various diseases	CC	MK	K	L_VC ,D_L		F&S	II	
CO2	Explain the characteristics of urine Odour (Manam) and its derangement in various diseases	CC	MK	K	FC		F&S	II	
CO2	Describe the features of froth in urine (Nurai) and its	CK	MK	K	L&PP	C-VC	F&S	II	

	derangement in various diseases				T				
CO2	Demonstrate the procedure of Neikuri examination	CC	MK	K	D	C-VC	F&S	II	
CO2	Discuss the characteristic Neikuri patterns of urine exhibited in various Thodam	CC	MK	K	L&G D,D	WP	F&S	II	
CO2	Describe the Neikuri features of curable and incurable clinical conditions	CK	MK	K	L&G D	O-QZ,O- GAME	F&S	II	
CO2	Discuss the different school of thoughts about Neikuri pattern by Theraiyar and Gowthamar	CC	MK	K	L&PP T		F&S	II	
CO2	Describe the characteristics of urine in Suram (Fever) and Mega neer	CK	MK	K	L&PP T		F&S	II	
CO2	Discuss the Neikuri patterns exhibited in curable conditions of Sanni Noi	CC	MK	K	L&G D		F&S	II	
CO2	Describe the characteristic colours of urine due to superfluity of three humours (Vaatha, Pitha and Kaba Koba neer)	CK	MK	K	L&G D		F&S	II	
CO2	Discuss the urine characteristics in clinical conditions such as Murai kaaichal, Moondru naal maaral suram, Kaaichaludan koodiya maarbu noi, Neerkundi kaai kal, Eeral Suram, Ratha thontha viyathi, Ithaiya noi, Idathalai noi and Valathalai noi	CC	MK	K	L&PP T	T-OBT	F&S	II	

CO2	Explain the prediction of curable and incurable conditions through other diagnostic procedures using pig fat, Mother's milk and patient's blood.	CC	MK	K	L&G D		F&S	II	
CO2	Compare Piniari muaraimai with General Physical Examination	AFT- RES	DK	KH	TBL		F	II	
CO2	Integrate the SCORAD Scale with 18 types of Kuttam (Skin disease)	AFT- REC	DK	KH	BS,A CT		F	II	
CO2	Integrate the Fitzpatrick scale with skin colour in Siddha Genomics (Thegi Niram)	AFT- REC	DK	KH	TBL, PL,A CT		F	II	
CO2	Establish a comparative view of Modified Rodnan Skin Score with Theraiyar Skin Score (Mei Niram)	AFT- RES	DK	KH	BL		F	II	
CO2	Describe the Dhasavitha Paritchai	CK	MK	K	L&PP T,AC T		F&S	II	
CO2	List the characteristics of Urine	CK	MK	K	L&PP T		F&S	II	
Topic 7									
7. Special diagnostic methods in Siddha system.									
(Lecture :5 hours, Non lecture: 3 hours)									
CO5	Explain the Manikadai Nool (Wrist Circumetric sign) procedure	CC	MK	KH	L&PP	QZ	F&S	I	

					T				
CO5	Infer the Manikadai nool measurements in various clinical conditions	CC	MK	K	FC	T-OBT	F&S	I	
CO5	List the Manikadai nool measurements in fatal conditions	CK	MK	K	L&PP T		F&S	I	
CO5	Observe Manikadai nool measurement in various OPD cases	PSY- SET	NK	SH	CBL		F	I	
CO5	Define Maruthuva Jothidam	CK	NK	K	L&PP T		F	I	
CO5	Define and explain about Raasigal, Natchathram, Thithigal, Lagnam and Baavam	CK	NK	KH	L&G D	WP	F	I	
CO5	Describe about Lagnam and 6 th , 8 th and 12 th Baavagam in Jothidam	CK	NK	KH	L&PP T		F	I	
CO5	Interpret the importance of Lagnam and 6 th , 8 th and 12 th Baavagangal for prediction and treatment of disease	CC	NK	K	L&PP T		F	I	
CO5	Interpret the Maruthuva jothidam in clinical case diagnosis	AFT- RES	NK	KH	CBL, BL		F	I	
CO5	Observe and relate the Maruthuva Jothidam prediction for diagnostic analytics	PSY- SET	NK	SH	BS,C D		F	I	
CO5	Define and explain about Pancha Patchi Sasthiram	CK	DK	K	L&PP		F&S	I	

					T				
CO5	List the birds and their respective 5 activities in Pancha Patchi Sasthiram such as Rule (Arasu), Eat (Oon), Walk (Nadai), Sleep (Thuyil), Die (Saavu)	CK	DK	K	L_VC	QZ	F&S	I	
CO5	Discuss about the change of Patchi and its activities in accordance with Lunar cycle	CC	DK	KH	BS		F&S	I	
CO5	Infer about the variations of Pancha bootham pertaining to Pancha Patchi and their activities depending upon Lunar cycle	CC	DK	K	CD		F&S	I	
CO5	Discuss the Changes in Relationship between Pancha bootham, Pancha patchi and 5 types of activities depending upon Lunar cycle	CC	DK	K	L&PP T,TB L		F&S	I	
CO5	Construct a Pancha Patchi chart for interpretation of one's Patchi with activities for a patient in OPD	PSY-GUD	DK	SH	TBL		F	I	
CO3	Define Varmam	CK	MK	K	L&PP T		F&S	I	
CO3	Define Varma Noi and Varma Noi Naadal	CK	MK	KH	L&PP T		F&S	I	
CO3	Define Varmam points (Varma Pulli) and explain the evolution and mechanism of action of Varma Pulli	CK	MK	KH	L&PP T	T- MEQs	F&S	I	

CO3	Explain the vital role of Varma Noi Naadal (Varmam Pathology) in strategic approach of diseases	CC	MK	K	L&PP T		F&S	I	
CO3	Define Praanan, Saram, Kaalam and Vaasi	CK	MK	K	L&PP T	CL-PR	F&S	I	
CO3	State abnormal findings of malpractice of Saram	CK	MK	K	L&G D		F&S	I	
CO3	Discuss Amirtha Nilai and Visha Nilai for the diagnostic analytics	CC	MK	K	L&G D	WP	F&S	I	
CO3	Compare Varma Pulli with Narambiyal Amaippu and Visai Ottam	AFT- REC	MK	KH	L_VC ,ACT	M-POS	F&S	I	
CO3	Discuss the Varma Naadi routes and establish its vital role in diagnostic analytics (12 Naadi Pathways)	CC	MK	K	L&PP T	T-OBT	F&S	I	
CO3	Discuss the ways to diagnose Varma Noi through Naadi	AFT- RES	MK	KH	D		F&S	I	
CO3	Describe Curable and Incurable clinical conditions of varmam (Varma saathiya, asaathiya kurigunangal).	CK	MK	K	L&PP T		F&S	I	
CO3	Describe Pancha Bootha Varmam and Patchi Varmam.	CK	MK	K	L&PP T		F&S	I	
CO3	Compare the Naadi pathway with myofascial connection.	AFT- RES	DK	KH	BL		F&S	I	V-UK ,V- VPS

Paper 2									
A3 Course outcome	B3 Learning Objective (At the end of the session, the students should be able to)	C3 Dom ain/s ub	D3 Must to know / desirable to know / Nice to know	E3 Level Does/ Show s how/ Kno ws how/ Kno w	F3 T-L meth od	G3 Assessment (Refer abbr eviations)	H3 Form ative/ sum mative	I3 Term	J3 Integ ratio n
Topic 1									
1. Suram, Muppini, Ammai Noi, Vippuruthi, Valippu, Ulapirazhvu Noi.									
(Lecture :7 hours, Non lecture: 3 hours)									
CO6	Define Suram(Iyal)	CK	MK	K	L,DIS		F&S	I	
CO6	List the synonyms, root cause, Etiology, premonitory and common signs and symptoms of Suram.	CK	MK	K	L&G D		F&S	I	
CO6	Describe the types of Suram and Explain the curable and incurable types of Suram.	CK	MK	K	L&G D		F&S	I	
CO2,CO6	Discuss the Mukkutra verupadu and Naadi Nadai in Suram.	CC	MK	K	L&G D		F&S	I	

CO6	Describe about the mortality signs (Thoda kurikunam) manifested in Suram	CK	MK	K	L&G D		F&S	I	
CO6	Describe the classification of Vatha Suram, Pitha Suram, Kaba Suram, Vatha pitha Suram, Mukkutra Suram, Kulir Suram, Nalir Suram, Ut Suram, Veli Suram, Vituvitu varum Suram, Vidatha Suram, Murai Suram, Puzhu Suram, Pazham Suram, Kazhichal Suram, Tharuna Suram and Athi Suram.	CK	MK	K	L&PP T	T- MEQs,QZ	F&S	I	
CO6	Establish the relationship between Puzhu Suram and Gut Microbial Dysbiosis	AFT- RES	DK	KH	BS	C-VC	F	I	
CO6	Discuss Vatha Suram, Pitha Suram Kulir Suram, Ut Suram, Murai Suram with various types of fever according to modern medicine,	AFT- RES	DK	KH	BL,L RI		F	I	
CO2,CO6	Integrate the pulse rate and rhythm (Nadi Nadai) for a patient in Fever OPD with different Naadi patterns in various types of Suram.	PSY- GUD	DK	SH	CBL		F	I	
CO6	Define Muppini(Iyal)	CK	MK	K	L,DIS		F&S	I	
CO6	List the synonyms, Etiology, premonitory & common signs and symptoms of Muppini.	CK	MK	K	L&G D		F&S	I	
CO6	Describe the types of Muppini and explain the cure and incurable types.	CK	MK	K	L&G D	T-CRQs	F&S	I	

CO2,CO6	Discuss the Mukkutra verupadu and Naadi nadai in Muppini.	CC	MK	K	L&G D		F&S	I	
CO6	Compare symptoms of Muppini with Delirium.	AFT- RES	DK	KH	IBL		F	I	
CO6	Define Ammai Noi(Iyal).	CK	MK	K	L&PP T		F&S	I	
CO6	List the synonyms, Etiology, premonitory & common signs and symptoms of Muppini.	CK	MK	K	L&G D		F&S	I	
CO6	Explain the types of Ammai Noi.	CC	MK	K	L&G D		F&S	I	
CO2,CO6	Discuss the Mukkutra verupadu, Naadi nadai in Ammai Noi.	CC	MK	K	L&G D		F&S	I	
CO6	Discuss the fatal signs and symptoms of Ammai Noi.	CC	MK	K	L&PP T		F&S	I	
CO6	State the diseases associated with Ammai Noi (Thunai Noigal).	CK	MK	K	L&G D		F&S	I	
CO6	Compare the Ammai Noi types with Mumps, Measles, Rubella, Chicken pox and Small pox.	AFT- RES	DK	KH	KL	QZ	F	I	
CO6	Define Vippuruthi (Iyal)	CK	MK	K	L&G D		F&S	I	
CO6	State the Etiology and signs and symptoms of Vippuruthi.	CK	MK	K	L&G D		F&S	I	

CO6	Explain the types of Vippuruthi .	CC	MK	K	L&G D	T-OBT	F&S	I	
CO6	State the curable and incurable types of Vippuruthi.	CK	MK	K	L&G D		F&S	I	
CO6	Compare Karuppai Vippuruthi and Oodu vippuruthi with Types of Cancer.	AFT- RES	DK	KH	FC		F	I	H- NN2
CO6	Define Valippu (Iyal).	CK	MK	K	L&G D		F&S	I	
CO6	List the synonyms, Etiology, Types, premonitory & common signs and symptoms of Valippu.	CK	MK	K	L&PP T	C-VC	F&S	I	
CO2,CO6	Discuss the Mukkutra verupadu and Naadi nadai in Valippu.	CC	MK	K	L_VC		F&S	I	
CO6	Compare the Valippu Noi with stages of Epilepsy.	AFT- RES	DK	KH	FC	T-OBT	F	I	
CO6	Perform the Neerkuri and Neikuri examination for patients of Suram, Muppini, Ammai Noi, Vippuruthi and Valippu in OPD/IPD.	PSY- GUD	DK	SH	CBL		F	I	
CO6	Define Ulapirazhvu Noi (Iyal).	CK	MK	K	L&G D		F&S	I	
CO6	Explain the General Etiology of Ulapirazhvu Noi	CC	MK	KH	L&G D		F&S	I	
CO6	Discuss the various etiologies of Ulapirazhvu Noi pertaining to	AFT-	DK	KH	BL		F	I	

	different age groups and genders,	RES							
Topic 2									
2. Siddha Respiratory Diseases									
(Lecture :6 hours, Non lecture: 5 hours)									
CO6	Define Kuralkammal (Iyal)	CK	MK	K	L&PP T		F&S	I	
CO6	List the synonyms, Etiology,premonitory and common signs and symptoms of Kuralkammal	CK	MK	K	L&PP T		F&S	I	
CO6	Explain the types of Kural kammal and state its curable and incurable types.	CC	MK	K	L&PP T	T-OBT	F&S	I	
CO2,CO6	Discuss the Mukkutra verupadu (Siddha pathogenesis) and Naadi nadai in Kuralkammal	CC	MK	K	L&PP T		F&S	I	
CO6	Compare Sathai valarchi Kuralkammal with Tonsilitis	AFT- RES	DK	KH	PL,L RI		F	I	
CO6	Observe the voice pattern of a Kuralkammal patient in OPD	PSY- SET	DK	SH	CBL, ECE		F	I	
CO6	Define Mookadaippu Noi (Iyal)	CK	MK	K	L&PP T		F&S	I	
CO6	State the synonyms, Etiology ,premonitory and common signs and symptoms of Mookadaippu Noi.	CK	MK	K	L&PP T		F&S	I	

CO6	Enumerate the types of Mookadaippu noi and list its curable and incurable types	CK	MK	K	L&PP T	M-POS	F&S	I	
CO2,CO6	Discuss the Mukkutra verupadu (Siddha pathogenesis) and Naadi nadai in Mookadaippu noi	CC	MK	K	L&G D		F&S	I	
CO6	Differentiate the clinical features of Siraai Mookadaippu and Mulai Mookadaippu	AFT- REC	NK	KH	L_VC		F	I	
CO6	Discuss Mulai Mookadaippu with Nasal Polyps	AFT- RES	DK	KH	BS		F	I	
CO6	Define Irumal noi	CK	MK	K	L&PP T		F&S	I	
CO6	State the synonyms, Etiology, premonitory and common signs and symptoms of Irumal Noi	CK	MK	K	L&PP T	QZ	F&S	I	
CO6	Explain the types of Irumal Noi and state its curable and incurable types	CC	MK	K	L&PP T		F&S	I	
CO2,CO6	Discuss the Mukkutra verupadu (Siddha pathogenesis) and Naadi nadai in Irumal Noi	CC	MK	KH	L&G D		F&S	I	

CO6	Integrate the Irumal Noi with different characteristic patterns of cough	AFT-RES	DK	KH	L&PP T	C-VC	F	I	
CO6	Differentiate the clinical features of Manthara Irumal and Pakka Manthara Irumal	AFT-RES	DK	KH	L&PP T		F	I	
CO6	Observe the characteristic pattern of cough of a Irumal Noi patient in OPD	PSY-SET	DK	SH	CBL, ECE	C-VC	F	I	
CO6	Define Iraippu noi	CK	MK	K	L&PP T		F&S	I	
CO6	State the synonyms, Etiology, premonitory and common signs and symptoms of Iraippu noi	CK	MK	K	L&PP T	PUZ	F&S	I	
CO6	Explain the types of Iraippu noi and state its curable and incurable types	CC	MK	K	L&G D		F&S	I	
CO2,CO6	Discuss the Mukkutra verupadu (Siddha pathogenesis) and Naadinadai in Iraippu Noi	CC	MK	K	L&G D		F&S	I	
CO6	Describe the nature of Sputum in Iraippu Noi based on Mukkutram derangement	CK	MK	K	L&PP T		F&S	I	
CO6	Discuss the different Auscultatory sound patterns in various Respiratory disease	AFT-RES	DK	KH	L_VC	C-VC	F	I	

CO6	Define Ilaippu noi	CK	MK	K	L,DIS		F&S	I	
CO6	Summarize the synonyms, Etiology, premonitory and common signs and symptoms of Ilaippu noi	CC	MK	K	L,DIS	QZ	F&S	I	
CO6	Illustrate the reason for denoting Ilaippu Noi as “Arasa Noi	CC	MK	K	PL		F&S	I	
CO6	Explain the types of Ilaippu noi and state its curable and incurable types.	CC	MK	K	L&PP T		F&S	I	
CO6	Explain the curable and incurable characteristics (Theerum, Theera Ilakkanam) of Ilaippu Noi	CC	MK	K	L&PP T		F&S	I	
CO6	Describe about the mortality signs (Thoda kurikunam) manifested in Shaya Noi	CK	MK	K	L&PP T		F&S	I	
CO6	Interpret the characteristics of sputum in various Respiratory diseases such as Iraippu (Bronchial Asthma), Ilaippu (Pulmonary tuberculosis), Naatpatta Swasam (Bronchiectasis)	AFT- RES	DK	KH	L&PP T	C-VC	F	I	
CO6	Observe the Auscultatory sound of Iraippu and Ilaippu patient in OPD	PSY- SET	DK	SH	ECE		F	I	
CO6	Define Ulaimaanthai	CK	MK	K	L,DIS		F&S	I	

CO6	Summarize the synonyms, Etiology, premonitory and common signs and symptoms of Ulaimaanthai	CC	MK	K	L&PP T		F&S	I	
CO6	Explain the types of Ulaimaanthai and state its curable and incurable types.	CC	MK	K	L,DIS		F&S	I	
CO2,CO6	Discuss the Mukkutra verupadu (Siddha pathogenesis) and Naadi nadai in Ulaimaanthai	CC	MK	K	L&G D		F&S	I	
CO6	Compare Ulaimaanthai with Intestinal Tuberculosis	AFT- RES	DK	KH	L_VC		F	I	
CO2,CO6	Discuss the Mukkutra verupadu (Siddha pathogenesis) and Naadi nadai in Ilaippu Noi.	CC	MK	K	L&G D		F&S	I	
Topic 3									
3. Siddha Cardio vascular Diseases and Haematology									
(Lecture :8 hours, Non lecture: 4 hours)									
CO6	Define Thamaraga Noi (Iyal)	CK	MK	K	L&G		F&S	II	

					D				
CO6	State the synonyms, Etiology, premonitory & common signs and symptoms of Thamaraga Noi	CK	MK	K	L&PP T	PUZ	F&S	II	
CO6	Enumerate the types of Thamaraga noi and list its curable and incurable types.	CK	MK	K	L&PP T	C-VC	F&S	II	
CO2,CO6	Discuss the Mukkutra verupadu (Siddha pathogenesis) and Naadi nadai in Thamaraga noi	CC	MK	K	L&PP T		F&S	II	
CO6	Discuss the abnormal Auscultatory sound patterns in various Cardiac diseases.	AFT- RES	DK	KH	L_VC ,FC		F	II	
CO6	Integrate Puzhu Thamaraga Noi with Parasitic Cardiomyopathy	AFT- RES	DK	KH	BS,L RI		F	II	
CO6	Justify the Siddha quote “Pogutra Pithathai Pokaamar Sthambithu” in Thamaraga Noi	AFT- REC	DK	KH	IBL		F	II	
CO6	Debate the mechanism of preventing Cardiac disease by Sleeping in left lateral decubitus position	AFT- RES	DK	KH	FC		F	II	
CO6	Demonstrate the Thirumoolar versus “Naata Mirandu Nadumookil Vaithidil” in management of Cardiac diseases	AFT- REC	DK	KH	L&G D		F	II	
CO6	Observe the pulse rate and rhythm (Nadi Nadai) for a Thamaraga Noi patient	PSY- SET	DK	SH	CBL		F	II	

CO6	Integrate the ECG reading methodology in Cardiac diseases	AFT-REC	DK	KH	L&PP T,LRI	P-ID, C-VC	F	II	
CO6	Define Kuruthiazhal Noi	CK	MK	K	L&PP T		F&S	II	
CO6	State the synonyms, Etiology, premonitory & common signs and symptoms of Kuruthiazhal Noi	CK	MK	K	L&PP T		F&S	II	
CO6	Describe the types of Kuruthiazhal Noi and state the curable and incurable types	CK	MK	K	L&PP T	M-CHT	F&S	II	
CO2,CO6	Discuss the Mukkutra verupadu (Siddha pathogenesis) and Naadi nadai in Kuruthiazhal noi	CC	MK	K	L&G D		F&S	II	
CO6	Define Kuruthi azhutham	CK	MK	K	L&PP T		F&S	II	
CO6	Describe the synonyms, Etiology, Mukkutra verupadu (Siddha pathogenesis) and Naadi nadai of Kuruthi azhutham	CK	MK	K	L&G D		F&S	II	
CO6	Define Paandu Noi	CK	MK	K	L&PP T		F&S	II	
CO6	State the synonyms, Etiology, premonitory & common signs and symptoms of Paandu Noi	CK	MK	K	L&PP T	PUZ	F&S	II	
CO6	Enumerate the types of Paandu Noi and list its curable and	CK	MK	K	L&PP		F&S	II	

	incurable types.				T				
CO2,CO6	Discuss the Mukkutra verupadu (Siddha pathogenesis) and Naadi nadai in Paandu Noi	CC	MK	K	L&PP T		F&S	II	
CO6	Compare clinical manifestations of Mannun Paandu with Pica	AFT- RES	DK	KH	BL		F	II	
CO6	Define Sobai Noi	CK	MK	K	L&PP T		F&S	II	
CO6	Summarize the synonyms, Etiology, premonitory & common signs and symptoms of Sobai Noi	CC	MK	K	L&PP T	T-OBT	F&S	II	
CO6	Quote the Therar versus enumerating common signs and symptoms of Sobai Noi	CK	MK	K	L&PP T		F&S	II	
CO6	Explain the types of Sobai Noi and state its curable and incurable types	CC	MK	K	L&PP T	M-CHT	F&S	II	
CO6	Describe about the mortality signs (Thoda kurikunam) manifested in Sobai Noi	CK	MK	K	L&G D		F&S	II	
CO6	State the clinical conditions in which sobai (oedema) arises as a fatal sign	CK	MK	K	L&PP T		F&S	II	
CO2,CO6	Discuss the Mukkutra verupadu (Siddha pathogenesis) and Naadi nadai in sobai noi	CC	MK	K	L&G D		F&S	II	

CO6	Describe the abnormalities of urine and feces in Sobai Noi	CK	MK	K	L&PP T		F&S	II	
CO6	Demonstrate the physiopathology of exalted Kabam in Sobai Noi from Theraiyar quote “Kabamana Neerathumindri Sobai Varaathu”	AFT- REC	DK	KH	L&G D		F	II	
CO6	Define Kamaalai Noi	CK	MK	K	L&G D		F&S	II	
CO6	State the synonyms, Etiology, premonitory & common signs and symptoms of Kamaalai Noi	CK	MK	K	L&PP T	WP	F&S	II	
CO6	Explain the types of Kamaalai Noi and list its curable and incurable types	CC	MK	K	L&PP T		F&S	II	
CO2,CO6	Discuss the Mukkutra verupadu (Siddha pathogenesis) and Naadi nadai in Kamaalai Noi	CC	MK	K	L,DIS		F&S	II	
CO6	Discuss the Clinical features of types of Kaamalai with Viral hepatitis	AFT- RES	DK	KH	L_VC ,LRI		F	II	
CO6	Justify the association of cholelithiasis in Obstructive Jaundice	AFT- RES	DK	KH	L_VC ,CD,L RI	C-VC	F	II	
Topic 4									

4. Siddha Gastrointestinal diseases

(Lecture :15 hours, Non lecture: 6 hours)

CO6	Define Suvaiyinmai	CK	MK	K	L,DIS		F&S	II	
CO6	Summarize the synonyms, Etiology, premonitory & common signs and symptoms of Suvaiyinmai	CC	MK	K	L,DIS		F&S	II	
CO6	List the types of Suvaiyinmai and describe the Aaganthuva Suvaiyinmai	CK	MK	K	L&PP T		F&S	II	
CO6	State curable and incurable types of Suvaiyinmai	CK	MK	K	L&G D		F&S	II	
CO2,CO6	Discuss the Mukkutra verupadu (Siddha pathogenesis) and Naadi nadai in Suvaiyinmai	CC	MK	K	L&G D		F&S	II	
CO6	Define Neervetkai	CK	MK	K	L&G D		F&S	II	
CO6	Discuss the synonyms, Etiology, premonitory & common signs and symptoms of Neervetkai	CC	MK	K	L&PP T	QZ	F&S	II	
CO6	List the types of Neervetkai and describe the Rasa Neervetkai & Seriya Neervetkai	CK	MK	K	L&PP T		F&S	II	
CO6	State curable and incurable types of Neervetkai	CK	MK	K	L&PP T		F&S	II	

CO2,CO6	Discuss the Mukkutra verupadu (Siddha pathogenesis) and Naadi nadai in Neervetkai	CC	MK	K	L,DIS		F&S	II	
CO6	Define Seriyaamai	CK	MK	K	L&PP T		F&S	II	
CO6	Discuss the synonyms, Etiology, premonitory & common signs and symptoms of Seriyaamai	CC	MK	K	L&PP T	PUZ	F&S	II	
CO6	Establish the association of indigestion with Fever in accordance with Theraiyar versus “Aseeranamandri Suram varaathu”	AFT- REC	NK	KH	BS		F	II	
CO6	Explain the types of Seriyaamai	CC	MK	K	L&G D		F&S	II	
CO6	State curable and incurable types of Seriyaamai	CK	MK	K	L&PP T		F&S	II	
CO2,CO6	Discuss the Mukkutra verupadu (Siddha pathogenesis) and Naadi nadai in Seriyaamai	CC	MK	K	L&G D		F&S	II	
CO6	Discuss the Siddha versus “Maththa Kajam Pola nadanthu Manthi thirukkumel” in assessing Naadi Nadai of Seriyaamai	AFT- RES	DK	KH	BL		F	II	
CO6	Define Vikkal Noi	CK	MK	K	L,DIS		F&S	II	
CO6	State the synonyms, Etiology, premonitory & common signs and symptoms of Vikkal Noi.	CK	MK	K	L&PP T		F&S	II	

CO6	List the types of Vikkal Noi and describe the Seriya Vikkal	CK	MK	K	L,DIS		F&S	II	
CO6	State the curable and incurable types of Vikkal Noi	CK	MK	K	L&PP T		F&S	II	
CO6	List the clinical conditions in which Vikkal Noi emerges as a fatal sign	CK	MK	K	L&G D		F&S	II	
CO2,CO6	Discuss the Mukkutra verupadu (Siddha pathogenesis) and Naadi nadai in Vikkal Noi.	CC	MK	K	L&G D		F&S	II	
CO6	Demonstrate the Siddha pathophysiology of Vikkal Noi due to aggravated Pitham from Theraiyar quote “Sethumathin Kothamalaathu Vikkaledaathu”	AFT- REC	NK	KH	BL		F	II	
CO6	Define Vaanthi	CK	MK	K	L&G D		F&S	II	
CO6	State the synonyms, Etiology, premonitory & common signs and symptoms of Vaanthi	CK	MK	K	L&PP T		F&S	II	
CO6	Enumerate the types of Vaanthi and state its curable and incurable types	CK	MK	K	L_VC		F&S	II	
CO6	Describe the Puzhu vaanthi, Seriya Vaanthi, Neervetkai Vaanthai, Karba Vaanthi and Mala Vaanthi .	CK	MK	K	L&PP T		F&S	II	
CO6	Discuss the Mukkutra verupadu (Siddha pathogenesis) and Naadi	CC	MK	K	L,DIS		F&S	II	

	nadai in Vaanthi								
CO6	List the clinical conditions in which Vaanthi Noi emerges as a fatal sign	CK	MK	K	L&PP T		F&S	II	
CO6	Demonstrate the Siddha pathophysiology of Vaanthi Noi due to aggravated Pitham from Theraiyar quote “Valarpitha Theethalaathu Sarththi yadaathu”	AFT- RES	DK	KH	PL		F	II	
CO6	Discuss the assessing clinical features to distinguish the physiological and pathological conditions of Vaanthi	AFT- RES	DK	KH	KL		F	II	
CO6	Define Maantham	CK	MK	K	L&PP T		F&S	II	
CO6	Distinguish the definitions of Maantham and Mandham	CC	MK	K	L&G D	PUZ	F&S	II	
CO6	Summarize the synonyms, Etiology, premonitory and common signs and symptoms of Maantham	CC	MK	K	L&PP T		F&S	II	
CO6	Enumerate the types of Maantham and state its curable and incurable types.	CK	MK	K	L&G D	CL-PR	F&S	II	
CO6	Explain about Iya Maantham	CC	MK	K	L&G D		F&S	II	

CO2,CO6	Discuss the Mukkutra verupadu (Siddha pathogenesis) and Naadi nadai in Maantham	CC	MK	K	L,DIS		F&S	II	
CO6	Describe about the mortality signs (Thoda kurikunam) manifested in Maantham	CK	MK	K	L&PP T		F&S	II	
CO6	Discuss the key role of Maantham in Siddha pathology from Paediatrics to Geriatrics group	AFT- RES	DK	KH	BS		F	II	
CO6	Explain the different views of Mandham and demonstrate the importance of Mandham in hyposecretory functions	AFT- RES	DK	KH	FC		F	II	
CO6	Define Kunmam (Iyal)	CK	MK	K	L,DIS		F&S	II	
CO6	List the synonyms, Etiology, Types, premonitory and common signs and symptoms of Kunmam	CK	MK	K	L&PP T	QZ	F&S	II	
CO6	Explain the types of Kunmam and state its curable and incurable types	CC	MK	K	L&PP T		F&S	II	
CO6	Describe about the mortality signs (Thoda kurikunam)	CK	MK	K	L&PP		F&S	II	

	manifested in Kunmam				T				
CO2,CO6	Discuss the Mukkutra verupadu and Naadi nadai in Kunmam	CC	MK	K	L&PP T		F&S	II	
CO6	Compare the symptoms of Kunmam with Gastric diseases	AFT- RES	NK	KH	L&PP T		F	II	
CO6	Discuss the quote “Kunmam -Udalaiyum Manathaiyum Kundra seiyum Noi” and the Theraiyar quote “Thodarvaatha Bandhamalaathu Kunmam varaathu”	AFT- REC	DK	KH	IBL		F	II	
CO6	Define Soolai Noi (Iyal)	CK	MK	K	L,DIS		F&S	II	
CO6	List the synonyms, Etiology, premonitory and common signs and symptoms of Soolai Noi	CK	MK	K	L&PP T		F&S	II	
CO6	Enumerate the types of Soolai Noi and state its curable and incurable types	CK	MK	K	L&PP T		F&S	II	
CO6	Describe the Kunma Soolai, Nithamba Soolai, Karai Soolai, Pakka Soolai, Karba Soolai and Sura Soolai types	CK	MK	K	L&PP T	PUZ	F&S	II	
CO2,CO6	Discuss the Mukkutra verupadu and Naadi nadai in Soolai Noi	CC	MK	K	L&G D		F&S	II	
CO6	Discuss the Dhevara Appar versus “Thotraathen Vayitrin agampadiye kudarodu thodakki mudakkiyida” of Soolai Noi.	AFT- RES	DK	KH	FC		F	II	

CO6	Justify the Theraiyar quote “Neduvaatha Saarvathuvumindri Soolai Varaathu”	AFT-RES	DK	KH	PL		F	II	
CO6	Define Kudarpidippu Noi (Iyal)	CK	MK	K	L&G D		F&S	II	
CO6	List the synonyms, Etiology, premonitory and common signs and symptoms of Kudarpidippu Noi.	CK	MK	K	L&PP T		F&S	II	
CO6	Explain the types of Kudarpidippu Noi and state its curable and incurable types.	CC	MK	K	L&G D		F&S	II	
CO6	Discuss the Mukkutra verupadu and Naadi nadai in Kudarpidippu Noi	CC	MK	K	L&G D		F&S	II	
CO6	Compare the clinical features of Kudarpidippu Noi with Intestinal Intussusception	AFT-RES	DK	KH	IBL		F	II	
CO6	Define Manneeral Noi (Iyal)	CK	MK	K	L&G D		F&S	II	
CO6	List the synonyms, Etiology, premonitory and common signs and symptoms of Manneeral Noi	CK	MK	K	L&PP T		F&S	II	
CO6	Explain the types of Manneeral Noi and state its curable and incurable types	CC	MK	K	L&PP T	C-VC	F&S	II	

CO6	Discuss the Mukkutra verupadu in Manneeral Noi	CC	MK	K	L&G D		F&S	II	
CO6	Define Kalleeral Noi (Iyal)	CK	MK	K	L&G D		F&S	II	
CO6	Summarize the synonyms, Etiology, premonitory and common signs and symptoms, Mukkutra verupadu Siddhathogenesis) of Kalleeral Noi	CC	MK	K	L&PP T	QZ	F&S	II	
CO6	Explain the types of Kalleeral Noi and state its curable and incurable types	CC	MK	K	L_VC		F&S	II	
CO6	Define Peruvayiru (Iyal)	CK	MK	K	L&G D		F&S	II	
CO6	List the synonyms, Etiology, premonitory & common signs and symptoms of Peruvayiru.	CK	MK	K	L&G D		F&S	II	
CO6	Enumerate the types of Peruvayiru and state its curable and incurable types	CK	MK	K	L&G D		F&S	II	
CO6	Describe the Vali Peruvayiru, Azhal Peruvayiru, Iya Peruvayiru, Vali Iya Peruvayiru, Azhal Iya Peruvayiru, Sool Peruvayiru, Veluppu Peruvayiru, Sobai Peruvayiru, Kaamalai Peruvayiru, Kunma Peruvayiru, Makothara Peruvayiru, Aama Peruvayiru, Manneeral Peruvayiru, Sura Peruvayiru, Neer Peruvayiru, Sathai	CK	MK	K	L&PP T	T- MEQs,T- OBT,CL-PR	F&S	II	

	Peruvayiru types								
CO6	Describe the curable and incurable characteristics of Peruvayiru (Saathiya, Asaathiya Kurikunangal)	CK	MK	K	L&G D		F&S	II	
CO2,CO6	Discuss the Mukkutra verupadu and Naadi nadai in Peruvayiru	CC	MK	K	L&G D		F&S	II	
CO6	Define Perunkazhichal (Iyal)	CK	MK	K	L&G D		F&S	II	
CO6	List the synonyms, Etiology, premonitory and common signs and symptoms of Perunkazhichal	CK	MK	K	L&G D		F&S	II	
CO6	Explain the types of Perunkazhichal and state its curable and incurable types.	CC	MK	K	L&PP T	M-POS	F&S	II	
CO2,CO6	Discuss the Mukkutra verupadu and Naadi nadai in Perunkazhichal	CC	MK	K	L&G D		F&S	II	
CO6	Describe the abnormalities of urine and feces in Perunkazhichal	CK	MK	K	L&G D		F&S	II	
CO6	State the incurable clinical conditions of Perunkazhichal	CK	MK	K	L&G D		F&S	II	
CO6	Enumerate the clinical conditions in which Perunkazhichal arises as a fatal Sign	CK	MK	K	L&PP T		F&S	II	

CO6	Define Nina kazhichal (Iyal)	CK	MK	K	L&G D		F&S	II	
CO6	List the synonyms, Etiology, premonitory and common signs and symptoms of Nina kazhichal	CK	MK	K	L&PP T		F&S	II	
CO6	Explain the types of Nina kazhichal and state its curable and incurable types.	CC	MK	K	L&PP T		F&S	II	
CO2,CO6	Discuss the Mukkutra verupadu and Naadi nadai in Nina kazhichal	CC	MK	K	L&G D		F&S	II	
CO6	Describe the abnormalities of urine and feces in Nina kazhichal	CK	MK	K	L&PP T,LRI		F&S	II	
CO6	Define Kaduppu kazhichal (Iyal)	CK	MK	K	L&G D		F&S	II	
CO6	List the synonyms, Etiology, premonitory and common signs and symptoms of Kaduppu kazhichal.	CK	MK	K	L&PP T	PUZ	F&S	II	
CO6	Explain the types of Nina kazhichal and state its curable and incurable types.	CC	MK	K	L&PP T		F&S	II	
CO2,CO6	Discuss the Mukkutra verupadu and Naadi nadai in Nina kazhichal	CC	MK	K	L&G D		F&S	II	

CO6	Describe the abnormalities of urine and feces in Nina kazhichal	CK	MK	K	IBL,LR RI		F&S	II	
CO6	Define Kaduppu kazhichal (Iyal)	CK	MK	K	L&PP T		F&S	II	
CO6	List the synonyms, Etiology, premonitory and common signs and symptoms of Kaduppu kazhichal.	CK	MK	K	L&PP T		F&S	II	
CO6	Discuss the Mukkutra verupadu and Naadi nadai in Kaduppu kazhichal	CC	MK	K	L&G D		F&S	II	
CO6	Compare Kazhichal Types with Acute Diarrhoeal diseases	AFT- RES	NK	KH	L_VC		F	II	
CO6	Define Oozhi Noi (Iyal)	CK	MK	K	L&PP T		F&S	II	
CO6	List the synonyms, Etiology, premonitory and common signs and symptoms of Oozhi Noi	CK	MK	K	L&G D	O-QZ	F&S	II	
CO6	Explain the types of Oozhi Noi and state its curable and incurable types	CC	MK	K	L&G D	M-CHT	F&S	II	
CO2,CO6	Discuss the Mukkutra verupadu and Naadi nadai in Oozhi Noi	CC	MK	K	L&G D		F&S	II	
CO4	Define Moola Noi (Iyal)	CK	MK	K	L,DIS		F&S	II	

CO6	List the synonyms, Etiology, premonitory and common signs and symptoms of Moola Noi	CK	MK	K	L&G D		F&S	II	
CO6	List the types of Moola Noi and state its curable and incurable types.	CK	MK	K	L&G D		F&S	II	
CO2,CO6	Discuss the Mukkutra verupadu and Naadi nadai in Moola Noi	CC	MK	K	L&G D		F&S	II	
CO6	Demonstrate the Siddha pathophysiology of Moola Noi from Theraiyar quote “Anilapitha Thondhamalaathu Moolam varaathu”.	AFT- REC	NK	KH	L&G D		F	II	
CO6	Discuss the Thirumoolar Naadi Nool versus “ Oyaththa Kundali kutpugum vaayu thaane” of Moola Noi’s Siddha etiology	AFT- RES	DK	KH	L&G D,FC		F	II	
CO6	Establish the distinguishing characteristics of Hemorrhoids and Fistula in ano	AFT- RES	DK	KH	BS	CL-PR	F	II	

Topic 5

5. Siddha Genitourinary Diseases

(Lecture :3 hours, Non lecture: 3 hours)

CO6	Define Neer Arugal Noi and Neer Perugal Noi	CK	MK	K	L,DIS		F&S	III	
CO6	State the classifications of Neer Arugal Noi and Neer Perugal Noi	CK	MK	K	L&G D	PUZ	F&S	III	
CO6	Define Kalladaippu Noi (Iyal)	CK	MK	K	L_VC		F&S	III	
CO6	List the synonyms, Etiology and Common signs and symptoms of Kalladaippu Noi.	CK	MK	K	L&G D		F&S	III	
CO6	Explain the types of Kalladaippu Noi and state its curable and incurable type	CC	MK	K	L&PP T	CL-PR	F&S	III	
CO2,CO6	Discuss the Mukkuttra verupadu and Naadi nadai in Kalladaippu Noi	CC	MK	K	L&G D		F&S	III	
CO6	Define Neersurukku (Iyal)	CK	MK	K	L&G D		F&S	III	
CO6	List the synonyms and etiology of Neersurukku	CK	MK	K	L,DIS		F&S	III	
CO6	Explain the types of Neersurukku and state its curable and incurable types	CC	MK	K	L&PP T		F&S	III	
CO2,CO6	Discuss the Mukkuttra verupadu and Naadi nadai in Neersurukku	CC	MK	K	L&PP		F&S	III	

					T				
CO6	Define Neerkattu (Iyal)	CK	MK	K	L,DIS		F&S	III	
CO6	Explain the synonyms, etiology, Common signs and symptoms, Mukkutra verupadu (Siddha Pathogenesis)Naadi nadai of neerkattu	CC	MK	K	L&PP T		F&S	III	
CO6	Define Chottu Neer (Iyal)	CK	MK	K	L&G D		F&S	III	
CO6	Describe the synonyms and types of Chottu Neer	CK	MK	K	L&PP T		F&S	III	
CO6	Define Vellai Noi (Iyal)	CK	MK	K	L&G D		F&S	III	
CO6	Summarize the synonyms, Etiology and Common signs and symptoms of Vellai Noi	CC	MK	K	L&PP T	PUZ	F&S	III	
CO6	List the types of Vellai Noi	CK	MK	K	L&PP T	C-VC	F&S	III	
CO2,CO6	Discuss the Mukkutra verupadu (Siddha pathogenesis) and Naadi nadai in Vellai Noi	CC	MK	K	L&PP T		F&S	III	
CO6	Define Neeradaippu Noi (Iyal)	CK	MK	K	L&PP T		F&S	III	

CO6	Describe the synonyms, Etiology and Clinical features of Neeradaippu Noi	CK	MK	K	L&PP T		F&S	III	
CO2,CO6	Discuss the Mukkutra verupadu, abnormalities of urine and feces in Neeradaippu Noi.	CC	MK	K	L&G D		F&S	III	
CO6	State the clinical conditions associated with Neeradaippu Noi	CK	MK	K	L&PP T		F&S	III	
CO6	Explain about Sathaiyadaippu Noi	CC	MK	K	FC	C-VC	F&S	III	
CO6	Define Mega Neer (Iyal)	CK	MK	K	L,DIS		F&S	III	
CO6	Describe the synonyms, Etiology, premonitory and common signs and symptoms of Mega Neer.	CK	MK	K	L&PP T		F&S	III	
CO6	Explain the types of Mega Neer and state its curable and incurable types	CC	MK	K	L&PP T		F&S	III	
CO6	Describe the ten stages of Mega Neer (Avathaigal)	CK	MK	K	L&PP T		F&S	III	
CO6	Explain the characteristic features of Neerkuri and Neikuri patterns in Mega Neer..	CC	MK	K	L&PP T		F&S	III	
CO6	Describe about the mortality signs (Thoda kurikunam) manifested in Mega Noi	CK	MK	K	L&PP T	WP	F&S	III	

CO6	Describe the features of feces in Mega Neer	CK	MK	K	L&PP T		F&S	III	
CO6	Define Madhumegam (Iyal)	CK	MK	K	L,DIS		F&S	III	
CO6	Describe the synonyms, Etiology,premonitory and common signs and symptoms of Madhumegam	CK	MK	K	L&G D	CL-PR	F&S	III	V- MM
CO2,CO6	Describe the Mukkutra verupadu in Madhumegam	CK	MK	K	L&PP T		F&S	III	
CO6	Define Theli Neer (Iyal)	CK	MK	K	L&PP T		F&S	III	
CO6	Describe the synonyms, Etiology and clinical features of Theli Neer	CK	MK	K	L&G D	CL-PR	F&S	III	
CO6	Define Venneer (Iyal)	CK	MK	K	L&PP T		F&S	III	
CO6	Describe the synonyms, Etiology,premonitory & common signs and symptoms of Venneer Neer	CK	MK	K	L&PP T		F&S	III	
CO6	Discuss the Mukkutra verupadu, Naadi nadai in Veneer Neer	CC	MK	K	L&G D		F&S	III	
CO6	Define Mega Neer Kattigal (Iyal)	CK	MK	K	L&G D		F&S	III	
CO6	Describe the synonyms, Etiology,premonitory and common signs and symptoms of Mega Neer Kattigal	CK	MK	K	L&PP T		F&S	III	

CO2,CO6	Describe the Mukkuttra verupadu and Naadi Nadai in Mega Neer Kattigal	CK	MK	K	L&G D		F&S	III	
Topic 6									
6. Siddha Dermatology									
(Lecture :5 hours, Non lecture: 3 hours)									
CO6	Define Karappan (Iyal)	CK	MK	K	L&PP T		F&S	I	
CO6	State the etiology, clinical manifestations and Naadi nadai of Karappan	CK	MK	K	L_VC	C-VC	F&S	I	
CO6	Explain the types of Karappan and state its curable and incurable types.	CC	MK	K	L&PP T	QZ	F&S	I	
CO6	Discuss the occurrence of Karappan as a secondary disease to other conditions	CC	MK	K	L&G D		F&S	I	
CO6	Compare Karappan types with various types of Eczema	AFT- RES	DK	KH	L_VC	M-POS	F	I	
CO6	Define Kaalanjagapadai (Iyal)	CK	MK	K	L&G D		F&S	I	
CO6	Describe the etiology and clinical manifestations of Kaalanjagapadai	CK	MK	K	L_VC	M-POS	F&S	I	

CO6	Define Venpadai (Iyal)	CK	MK	K	L&G D		F&S	I	
CO6	State the etiology and common signs & symptoms of Venpadai	CK	MK	K	L,DIS		F&S	I	
CO6	Explain the types of Venpadai and state its curable and incurable features	CC	MK	K	L_VC		F&S	I	
CO6	Define Padarthaamarai (Iyal)	CK	MK	K	L,DIS		F&S	I	
CO6	Describe the etiology and clinical manifestations of Padarthaamarai	CK	MK	K	L_VC	T-OBT, C-VC	F&S	I	
CO6	Describe about Puzhuvettu Noi	CK	MK	K	L&PP T		F&S	I	

Topic 7

7. Siddha Gynaecological diseases and Infertility

(Lecture :6 hours, Non lecture: 3 hours)

CO6	Define Soothaga Kattu (Iyal)	CK	MK	K	L&PP T		F&S	III	
CO6	Describe the synonyms, Etiology and types of Soothaga Kattu	CK	MK	K	L&PP T	PUZ	F&S	III	V-SMM
CO6	Define and Describe the etiology and types of Soothaga Vali	CK	MK	K	L&G		F&S	III	

					D				
CO6	Define Soodhaga Kirani	CK	MK	K	L&PP T		F&S	III	
CO6	Describe the signs and symptoms of Soodhaga kirani	CK	MK	K	L&PP T		F&S	III	
CO6	Define Perumpadu (Iyal)	CK	MK	K	L&PP T		F&S	III	
CO6	Describe the Etiology and types of Perumpadu	CK	MK	K	L&PP T		F&S	III	
CO6	Describe about the mortality signs (Thoda kurikunam) manifested in Perumpadu	CK	MK	K	L&PP T	T-OBT	F&S	III	
CO6	Define Yoni Kasivu (Iyal)	CK	MK	K	L&PP T		F&S	III	
CO6	Explain the etiology and types of Yoni Kasivu	CC	MK	K	L&PP T	C-VC	F&S	III	
CO6	Define Nagirkatti (Iyal)	CK	MK	K	L&PP T		F&S	III	
CO6	State the synonyms, etiology and types of Nagirkatti	CK	MK	K	L_VC		F&S	III	
CO6	Define Kulanthai perinmai (Iyal)	CK	MK	K	L_VC		F&S	III	

CO6	Define Veedhana Kola Veekam	CK	MK	K	L&PP T		F&S	III	
CO6	List the etiology, premonitory and common signs and symptoms of Veedhana kola veekam	CK	MK	K	L&PP T		F&S	III	V-AM
CO6	Describe about Adhiveedhana kolaru and Kurai veedhana kolaru	CK	MK	K	L&PP T		F&S	III	
CO6	Observe the Naadi Nadai, Manikadai Nool and Neerkuri Neikuri for a patient in OPD/IPD	PSY- SET	DK	SH	CBL, ECE	SP	F	III	
CO6	Observe the various Naadi patterns of PCOS, pregnancy and infertility in OPD/IPD patient	PSY- SET	DK	SH	CBL	SP	F	III	

Topic 8

8. Vaatham , Pitham, Kabam (Musculoskeletal and Neurologic diseases)

(Lecture :10 hours, Non lecture: 3 hours)

CO6	Define Vatha Noi (Iyal)	CK	MK	K	L&G D		F&S	III	
CO6	State the synonyms, Etiology and premonitory signs and symptoms of Vatha Noi	CK	MK	K	L&G D		F&S	III	
CO6	List the types of Vatha Noi	CK	MK	K	L&G D	O-QZ	F&S	III	
CO6	Describe the clinical features	CK	MK	K	L&PP	QZ	F&S	III	

	of Vaasthambam, Vaathakarshanam, Kaalanjaga Vaatham and Narithalai Vaatham				T				
CO6	Explain the signs and symptoms of Kumba Vaatham, Netri soolai vaatam, Sevi soolai Vaatham and Pakka Vaatham	CC	MK	K	L&G D	PUZ	F&S	III	
CO6	Describe the clinical features of Patcha Vaatham, Sahana Vaatham, Thandaga Vaatham, Arputha Vaatham and Uruga Vaatham	CK	MK	K	L&G D	T- MEQs	F&S	III	
CO6	Enumerate the characteristic features of Uthara Vaatham , Sirakkamba vaatam, Kudal Vaatham and Nadukku Vaatham	CK	MK	K	L&PP T	C-VC	F&S	III	
CO6	Explain the signs and symptoms of Uthira Vaatham, Sooriyavartha Vaatham, Chandravartha Vaatham, Oru thalayin aavarthana Vaatham and Thantha Vaayu	CC	MK	K	L&PP T,XR ay,LR I	T-OBT, C-VC	F&S	III	
CO6	Discuss the various X- Ray findings of PNS, cervico lumbar joints, shoulder joint, knee joint and ankle joint	AFT- RES	DK	KH	XRy, LRI		F	III	
CO6	Justify the Theraiyar quote “Vaathamalaathu Meni Kedaathu”	AFT- REC	DK	KH	IBL		F	III	
CO6	Define Pitha Noi (Iya).	CK	MK	K	L&PP T		F&S	III	
CO6	State the synonyms, Etiology,premonitory and common signs and symptoms of Pitha Noi.	CK	MK	K	L&PP T		F&S	III	

CO6	List the types of Pitha Noi	CK	MK	K	L&G D		F&S	III	
CO6	Describe the clinical features of Vihara Pitham, Virana Pitham, Uratha Pitham and Ratha Pitham	CK	MK	K	L&PP T	PUZ, C-VC	F&S	III	
CO6	Explain the signs and symptoms of Kaasa Pitham, Eri Pitham, Kanda Pitham and Athisara Pitham	CC	MK	K	L&G D		F&S	III	
CO6	Define Iya Noi (Iyal)	CK	MK	K	L,DIS		F&S	III	
CO6	State the synonyms, Etiology and common signs and symptoms of Iya Noi	CK	MK	K	L&G D		F&S	III	
CO6	List the types of Iya Noi	CK	MK	K	L&G D		F&S	III	
CO6	Enumerate the signs and symptoms of Irumal Iya Noi, Iraippu Iya Noi, Mantha Iya Noi and Pasi Iya Noi	CK	MK	K	L&G D		F&S	III	
CO6	Describe the clinical features of Sura Iya Noi, Perunkazhichal Iya Noi and Virana Iya Noi	CK	MK	K	L,DIS	QZ	F&S	III	

List of Practicals (Term and Hours)

PRACTICALS (Marks-100)			
S.No	List of Topics	Term	Hours
1	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Peenisam	1	5
2	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Iraippu noi	1	5
3	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Karappan noi.	1	5
4	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Kaalanjagapadai.	1	5
5	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Venpadai noi.	1	5
6	Examination of Neerkkuri insight of Mukkutram	1	5

7	Examination of Neikkuri insight of Mukkutram	1	5
8	Identify the main five vaatham affected in the given patient /for the given case histroy.	1	3
9	Identify the types of Pitham affected in the given patient/for the given case histroy.	1	2
10	Identify the types of kabam affected in the given patient/for the given case histroy.	1	2
11	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Paandu noi.	2	6
12	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Kaamalai noi.	2	6
13	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Kuruthiazhutham.	2	4

14	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Moola noi.	2	6
15	Examination of Naa insight of Mukkutram.	2	3
16	Examination of Niram insight of Mukkutram	2	3
17	Examination of Mozhi insight of Mukkutram	2	3
18	Examination of Vizhi insight of Mukkutram	2	3
19	Examination of Sparisam insight of Mukkutram	2	3
20	Examination of Malam insight of Mukkutram	2	3
21	Identify the types of udal thathukkal(Saaram,senneer,oonn,kozhuppu,enbu,moolai,sukkilam/sronitham) affected in the given patient/for the given case histroy.	2	7

22	Examine the pulse sensation or pattern for the patient/drawn pulse pattern of menstruation and its abnormalities.	2	3
23	Examine the pulse sensation or pattern for the patient with infertility and its abnormalities.	2	3
24	Examine the pulse sensation or drawn pattern for the pregnant women with details .	2	3
25	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Mathumegam.	3	3
26	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Neersurukku.	3	3
27	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Vellai noi.	3	3
28	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and	3	2

	state the theerum theera nilai of Perumpaadu.		
29	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Soothagavali.	3	2
30	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Soothagavaayu.	3	2
31	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Soothagakattu.	3	2
32	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Nadukku vaadham.	3	3
33	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Vaathasthambam.	3	3
34	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Thandagavaatham.	3	3

35	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Saganavaatham.	3	3
36	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Kumba vaatham.	3	3
37	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Utharavaathasuronitham.	3	3
38	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Arputhavaatham.	3	2
39	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Virana silethumam.	3	2
40	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Uragavaatham.	3	3

Table 4: Learning objectives (Practical)

A4 Course outcome	B4 Learning Objective (At the end of the session, the students should be able to)	C4 Dom ain/s ub	D4 Must to know / desirable to know / Nice to know	E4 Level Does/ Show s how/ Kno ws how/ Kno w	F4 T-L meth od	G4 Assessment (Refer abbr eviations)	H4 Form ative/ sum mative	I4 Term	K4 Integ ratio n
<p>Topic 1</p> <p>Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Paandu noi.</p>									
CO7	Observe the Yaakkai ilakkanam for the given patient	PSY- SET	MK	SH	L_VC ,CBL, D_BE D	P-EXAM	F&S	II	
CO7	Perform the examination to assess Udal thathukkal, aka karuvigal and pura karuvigal of the given patient	PSY- GUD	MK	SH			F&S	II	
CO7	Conduct the Ennvagai thervu examination and Manikadai nool evaluation for the given patient	PSY- GUD	MK	SH			F&S	II	
CO7	Integrate the derangement of Mukkutram in the given patient.	PSY-	MK	SH			F&S	II	

		SET							
CO7	Formulate the line of treatment and appropriate choice of taste (Suvai) for the given patient.	AFT-RES	MK	KH			F	II	
CO7	Discuss the antagonistic qualities to balance the deranged Mukkutram for the given patient.	CC	MK	K			F	II	
CO6,CO7	Infer the curable and incurable conditions (theerum theera nilai) of Paandu	CC	MK	K			F	II	
Topic 2									
Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Peenisam									
CO7	Observe the Yaakkai ilakkanam for the given patient	PSY-SET	MK	SH	L_VC ,CBL, D_BE D	P-EXAM	F&S	I	
CO7	Perform the examination to assess Udal thathukkal, aka karuvigal and pura karuvigal of the given patient	PSY-GUD	MK	SH			F&S	I	
CO7	Conduct the Ennvagai thervu examination and Manikadai nool evaluation for the given patient	PSY-GUD	MK	SH			F&S	I	
CO7	Integrate the derangement of Mukkutram in the given patient.	PSY-	MK	SH			F&S	I	

		SET							
CO7	Formulate the line of treatment and appropriate choice of taste (Suvai) for the given patient.	AFT-RES	MK	KH			F	I	
CO7	Discuss the antagonistic qualities to balance the deranged Mukkutram for the given patient.	CC	MK	K			F	I	
CO6,CO7	Infer the curable and incurable conditions (theerum theera nilai) of Peenisam	CC	MK	K			F	I	

Topic 3

Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Iraippu noi

CO7	Observe the Yaakkai ilakkanam for the given patient	PSY-SET	MK	SH	L_VC ,CBL, D_BE D	P-EXAM	F&S	I	
CO7	Perform the examination to assess Udal thathukkal, aka karuvigal and pura karuvigal of the given patient	PSY-GUD	MK	SH			F&S	I	
CO7	Conduct the Ennvagai thervu examination and Manikadai nool evaluation for the given patient	PSY-GUD	MK	SH			F&S	I	
CO7	Integrate the derangement of Mukkutram in the given patient.	PSY-	MK	SH			F&S	I	

		SET							
CO7	Formulate the line of treatment and appropriate choice of taste (Suvai) for the given patient.	AFT-RES	MK	KH			F	I	
CO7	Discuss the antagonistic qualities to balance the deranged Mukkutram for the given patient.	CC	MK	K			F	I	
CO6,CO7	Infer the curable and incurable conditions (theerum theera nilai) of Iraippu	CC	MK	K			F	I	
Topic 4									
Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Kaamalai noi.									
CO7	Observe the Yaakkai ilakkanam for the given patient	PSY-SET	MK	SH	L_VC ,CBL, D_BE D	P-EXAM	F&S	II	
CO7	Perform the examination to assess Udal thathukkal, aka karuvigal and pura karuvigal of the given patient	PSY-GUD	MK	SH			F&S	II	
CO7	Conduct the Ennvagai thervu examination and Manikadai nool evaluation for the given patient	PSY-GUD	MK	SH			F&S	II	
CO7	Integrate the derangement of Mukkutram in the given patient.	PSY-	MK	SH			F&S	II	

		SET							
CO7	Formulate the line of treatment and appropriate choice of taste (Suvai) for the given patient.	AFT-RES	MK	KH			F	II	
CO7	Discuss the antagonistic qualities to balance the deranged Mukkutram for the given patient.	CC	MK	K			F	II	
CO6,CO7	Infer the curable and incurable conditions (theerum theera nilai) of Kaamaalai	CC	MK	K			F	II	
Topic 5									
Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Karappan noi.									
CO7	Observe the Yaakkai ilakkanam for the given patient	PSY-SET	MK	SH	L_VC ,CBL, D_BE D	P-EXAM	F&S	I	
CO7	Perform the examination to assess Udal thathukkal, aka karuvigal and pura karuvigal of the given patient	PSY-GUD	MK	SH			F&S	I	
CO7	Conduct the Ennvagai thervu examination and Manikadai nool evaluation for the given patient.	PSY-GUD	MK	SH			F&S	I	
CO7	Integrate the derangement of Mukkutram in the given patient.	PSY-	MK	SH			F&S	I	

		SET							
CO7	Formulate the line of treatment and appropriate choice of taste (Suvai) for the given patient.	AFT-RES	MK	KH			F	I	
CO7	Discuss the antagonistic qualities to balance the deranged Mukkutram for the given patient.	CC	MK	K			F	I	
CO6,CO7	Infer the curable and incurable conditions (theerum theera nilai) of Karappan	CC	MK	K			F	I	
Topic 6									
Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Kaalanjagapadai.									
CO7	Observe the Yaakkai ilakkanam for the given patient	PSY-SET	MK	SH	L&G D,CB L,D_ BED	P-EXAM	F&S	I	
CO7	Perform the examination to assess Udal thathukkal, aka karuvigal and pura karuvigal of the given patient	PSY-GUD	MK	SH			F&S	I	
CO7	Conduct the Ennvagai thervu examination and Manikadai nool evaluation for the given patient	PSY-GUD	MK	SH			F&S	I	
CO7	Integrate the derangement of Mukkutram in the given patient.	PSY-	MK	SH			F&S	I	

		SET							
CO7	Formulate the line of treatment and appropriate choice of taste (Suvai) for the given patient.	AFT-RES	MK	KH			F	I	
CO7	Discuss the antagonistic qualities to balance the deranged Mukkutram for the given patient.	CC	MK	K			F	I	
CO6,CO7	Infer the curable and incurable conditions (theerum theera nilai) of Kaalanjagapadai	CC	MK	K			F	I	
Topic 7									
Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Venpadai noi.									
CO7	Observe the Yaakkai ilakkanam for the given patient	PSY-SET	MK	SH	L_VC ,CBL, D_BE D	P-EXAM	F&S	I	
CO7	Perform the examination to assess Udal thathukkal, aka karuvigal and pura karuvigal of the given patient	PSY-GUD	MK	SH		SP	F&S	I	
CO7	Conduct the Ennvagai thervu examination and Manikadai nool evaluation for the given patient	PSY-GUD	MK	SH			F&S	I	
CO7	Integrate the derangement of Mukkutram in the given patient.	PSY-	MK	SH			F&S	I	

		SET							
CO7	Formulate the line of treatment and appropriate choice of taste (Suvai) for the given patient.	AFT-RES	MK	KH			F	I	
CO7	Discuss the antagonistic qualities to balance the deranged Mukkutram for the given patient	CC	MK	K			F	I	
CO6,CO7	Infer the curable and incurable conditions (theerum theera nilai) of Venpadai	CC	MK	K			F	I	

Topic 8

Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Mathumegam.

CO7	Observe the Yaakkai ilakkanam for the given patient	PSY-SET	MK	SH	L_VC ,CBL, D_BE D	P-EXAM	F&S	II	
CO7	Perform the examination to assess Udal thathukkal, aka karuvigal and pura karuvigal of the given patient	PSY-GUD	MK	SH			F&S	II	
CO7	Conduct the Ennvagai thervu examination and Manikadai nool evaluation for the given patient	PSY-GUD	MK	SH			F&S	II	
CO7	Integrate the derangement of Mukkutram in the given patient.	PSY-	MK	SH			F&S	II	

		SET							
CO7	Formulate the line of treatment and appropriate choice of taste (Suvai) for the given patient.	AFT-RES	MK	KH			F	II	
CO7	Discuss the antagonistic qualities to balance the deranged Mukkutram for the given patient	CC	MK	K			F	II	
CO6,CO7	Infer the curable and incurable conditions (theerum theera nilai) of Mathumegam	CC	MK	K			F	II	
Topic 9									
Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Kuruthiazhutham.									
CO7	Observe the Yaakkai ilakkanam for the given patient	PSY-SET	MK	SH	L_VC ,CBL, D_BE D	P-EXAM	F&S	II	
CO7	Perform the examination to assess Udal thathukkal, aka karuvigal and pura karuvigal of the given patient	PSY-GUD	MK	SH		SP	F&S	II	
CO7	Conduct the Ennvagai thervu examination and Manikadai nool evaluation for the given patient.	PSY-GUD	MK	SH			F&S	II	
CO7	Integrate the derangement of Mukkutram in the given patient.	PSY-	MK	SH			F&S	II	

		SET							
CO7	Formulate the line of treatment and appropriate choice of taste (Suvai) for the given patient.	AFT-RES	MK	KH			F	II	
CO7	Discuss the antagonistic qualities to balance the deranged Mukkutram for the given patient.	CC	MK	K			F	II	
CO6,CO7	Infer the curable and incurable conditions (theerum theera nilai) of Kuruthi azhutham	CC	MK	K			F	II	

Topic 10

Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Neersurukku.

CO7	Observe the Yaakkai ilakkanam for the given patient	PSY-SET	MK	SH	L_VC ,CBL, D_BE D	P-EXAM	F&S	II	
CO7	Perform the examination to assess Udal thathukkal, aka karuvigal and pura karuvigal of the given patient	PSY-GUD	MK	SH			F&S	II	
CO7	Conduct the Ennvagai thervu examination and Manikadai nool evaluation for the given patient	PSY-GUD	MK	SH			F&S	II	
CO7	Integrate the derangement of Mukkutram in the given patient.	PSY-	MK	SH			F&S	II	

		SET							
CO7	Formulate the line of treatment and appropriate choice of taste (Suvai) for the given patient.	AFT-RES	MK	KH			F	II	
CO7	Discuss the antagonistic qualities to balance the deranged Mukkutram for the given patient.	CC	MK	K			F	II	
CO6,CO7	Infer the curable and incurable conditions (theerum theera nilai) of Neersurukku	CC	MK	K			F	II	
Topic 11									
Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Vellai noi.									
CO7	Observe the Yaakkai ilakkanam for the given patient	PSY-SET	MK	SH	L_VC ,CBL, D_BE D	P-EXAM	F&S	III	
CO7	Perform the examination to assess Udal thathukkal, aka karuvigal and pura karuvigal of the given patient	PSY-GUD	MK	SH			F&S	III	
CO7	Conduct the Ennvagai thervu examination and Manikadai nool evaluation for the given patient.	PSY-GUD	MK	SH		SP	F&S	III	
CO7	Integrate the derangement of Mukkutram in the given patient.	PSY-	MK	SH			F&S	III	

		SET							
CO7	Formulate the line of treatment and appropriate choice of taste (Suvai) for the given patient.	AFT-RES	MK	KH			F	III	
CO7	Discuss the antagonistic qualities to balance the deranged Mukkutram for the given patient.	CC	MK	K			F	III	
CO6,CO7	Infer the curable and incurable conditions (theerum theera nilai) of Vellai Noi.	CC	MK	K			F	III	

Topic 12

Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Perumpaadu.

CO7	Observe the Yaakkai ilakkanam for the given patient	PSY-SET	MK	SH	CBL, PT,D_BED	P-EXAM	F&S	III	
CO7	Perform the examination to assess Udal thathukkal, aka karuvigal and pura karuvigal of the given patient	PSY-GUD	MK	SH			F&S	III	
CO7	Conduct the Envagai thervu examination and Manikadai nool evaluation for the given patient.	PSY-GUD	MK	SH			F&S	III	
CO7	Integrate the derangement of Mukkutram in the given patient.	PSY-SET	MK	SH			F&S	III	

CO7	Formulate the line of treatment and appropriate choice of taste (Suvai) for the given patient	AFT-RES	MK	KH		SP	F	III	
CO7	Discuss the antagonistic qualities to balance the deranged Mukkutram for the given patient.	CC	MK	K			F	III	
CO6,CO7	Infer the curable and incurable conditions (theerum theera nilai) Perumpaadu.	CC	MK	K			F	III	

Topic 13

Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Soothagavali.

CO7	Observe the Yaakkai ilakkanam for the given patient	PSY-SET	MK	SH	L_VC ,CBL, D_BE D	P-EXAM	F&S	III	
CO7	Perform the examination to assess Udal thathukkal, aka karuvigal and pura karuvigal of the given patient	PSY-GUD	MK	SH			F&S	III	
CO7	Conduct the Ennvagai thervu examination and Manikadai nool evaluation for the given patient	PSY-GUD	MK	SH			F&S	III	
CO7	Integrate the derangement of Mukkutram in the given patient.	PSY-SET	MK	SH			F&S	III	

CO7	Formulate the line of treatment and appropriate choice of taste (Suvai) for the given patient.	AFT-RES	MK	KH			F	III	
CO7	Discuss the antagonistic qualities to balance the deranged Mukkutram for the given patient.	CC	MK	K			F	III	
CO6,CO7	Infer the curable and incurable conditions (theerum theera nilai) of Soothaga vali	CC	MK	K			F	III	

Topic 14

Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Soothagavaayu.

CO7	Observe the Yaakkai ilakkanam for the given patient	PSY-SET	MK	SH	L_VC ,CBL, D_BE D	P-EXAM	F&S	III	
CO7	Perform the examination to assess Udal thathukkal, aga karuvigal and pura karuvigal of the given patient	PSY-GUD	MK	SH			F&S	III	
CO7	Conduct the Ennvagai thervu examination and Manikadai nool evaluation for the given patient	PSY-GUD	MK	SH			F&S	III	
CO7	Integrate the derangement of Mukkutram in the given patient.	PSY-SET	MK	SH			F&S	III	

CO7	Formulate the line of treatment and appropriate choice of taste (Suvai) for the given patient.	AFT-RES	MK	KH			F	III	
CO7	Discuss the antagonistic qualities to balance the deranged Mukkutram for the given patient.	CC	MK	K			F	III	
CO6,CO7	Infer the curable and incurable conditions (theerum theera nilai) of Soothagavaayu	CC	MK	K			F	III	

Topic 15

Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Soothagakattu.

CO7	Observe the Yaakkai ilakkanam for the given patient	PSY-SET	MK	SH	CBL, PT,D_BED	P-EXAM	F&S	III	
CO7	Perform the examination to assess Udal thathukkal, aka karuvigal and pura karuvigal of the given patient	PSY-GUD	MK	SH		SP	F&S	III	
CO7	Conduct the Ennvagai thervu examination and Manikadai nool evaluation for the given patient	PSY-GUD	MK	SH			F&S	III	
CO7	Integrate the derangement of Mukkutram in the given patient.	PSY-SET	MK	SH			F&S	III	

CO7	Formulate the line of treatment and appropriate choice of taste (Suvai) for the given patient.	AFT-RES	MK	KH			F	III	
CO7	Discuss the antagonistic qualities to balance the deranged Mukkutram for the given patient.	CC	MK	K			F	III	
CO6,CO7	Infer the curable and incurable conditions (theerum theera nilai) of Soothaga kattu	CC	MK	K			F	III	

Topic 16

Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Moola noi.

CO7	Observe the Yaakkai ilakkanam for the given patient	PSY-SET	MK	SH	L_VC ,CBL, D_BE D	P-EXAM	F&S	II	
CO7	Perform the examination to assess Udal thathukkal, aka karuvigal and pura karuvigal of the given patient	PSY-GUD	MK	SH			F&S	II	
CO7	Conduct the Envagai thervu examination and Manikadai nool evaluation for the given patient.	PSY-GUD	MK	SH			F&S	II	
CO7	Integrate the derangement of Mukkutram in the given patient.	PSY-SET	MK	SH			F&S	II	

CO7	Formulate the line of treatment and appropriate choice of taste (Suvai) for the given patient	AFT-RES	MK	KH			F	II	
CO7	Discuss the antagonistic qualities to balance the deranged Mukkutram for the given patient	CC	MK	K			F	II	
CO6,CO7	Infer the curable and incurable conditions (theerum theera nilai) of Moolam	CC	MK	K			F	II	

Topic 17

Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Nadukku vaadham.

CO7	Observe the Yaakkai ilakkanam for the given patient	PSY-SET	MK	SH	L_VC ,CBL, PT	P-EXAM	F&S	III	
CO7	Perform the examination to assess Udal thathukkal, aka karuvigal and pura karuvigal of the given patient	PSY-GUD	MK	SH			F&S	III	
CO7	Conduct the Ennvagai thervu examination and Manikadai nool evaluation for the given patient	PSY-GUD	MK	SH			F&S	III	
CO7	Integrate the derangement of Mukkutram in the given patient.	PSY-SET	MK	SH			F&S	III	

CO7	Formulate the line of treatment and appropriate choice of taste (Suvai) for the given patient.	AFT-RES	MK	KH			F	III	
CO7	Discuss the antagonistic qualities to balance the deranged Mukkutram for the given patient.	CC	MK	K			F	III	
CO6,CO7	Infer the curable and incurable conditions (theerum theera nilai) of Nadukku Vaatham	CC	MK	K			F	III	

Topic 18

Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Vaathasthambam.

CO7	Observe the Yaakkai ilakkanam for the given patient	PSY-SET	MK	SH	CBL, PT,D_BED	P-EXAM	F&S	III	
CO7	Perform the examination to assess Udal thathukkal, aka karuvigal and pura karuvigal of the given patient	PSY-GUD	MK	SH			F&S	III	
CO7	Conduct the Ennvagai thervu examination and Manikadai nool evaluation for the given patient	PSY-GUD	MK	SH			F&S	III	
CO7	Integrate the derangement of Mukkutram in the given patient.	PSY-SET	MK	SH			F&S	III	
CO7	Formulate the line of treatment and appropriate choice of taste	AFT-	MK	KH			F	III	

	(Suvai) for the given patient.	RES							
CO7	Discuss the antagonistic qualities to balance the deranged Mukkutram for the given patient.	CC	MK	K			F	III	
CO6,CO7	Infer the curable and incurable conditions (theerum theera nilai) of Vaathasthambam	CC	MK	K			F	III	
Topic 19									
Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Thandagavaatham.									
CO7	Observe the Yaakkai ilakkanam for the given patient	PSY-SET	MK	SH	L_VC ,CBL, D_BE D	P-EXAM	F&S	III	
CO7	Perform the examination to assess Udal thathukkal, aka karuvigal and pura karuvigal of the given patient	PSY-GUD	MK	SH			F&S	III	
CO7	Conduct the Ennvagai thervu examination and Manikadai nool evaluation for the given patient	PSY-GUD	MK	SH			F&S	III	
CO7	Integrate the derangement of Mukkutram in the given patient.	PSY-SET	MK	SH			F&S	III	
CO7	Formulate the line of treatment and appropriate choice of taste	AFT-	MK	KH			F	III	

	(Suvai) for the given patient.	RES							
CO7	Discuss the antagonistic qualities to balance the deranged Mukkutram for the given patient.	CC	MK	K			F	III	
CO6,CO7	Infer the curable and incurable conditions (theerum theera nilai) of Thandagavaatham	CC	MK	K		SP	F	III	
Topic 20									
Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Saganavaatham.									
CO7	Observe the Yaakkai ilakkanam for the given patient	PSY-SET	MK	SH	L&PP T,CB L,D_ BED	P-EXAM	F&S	III	
CO7	Perform the examination to assess Udal thathukkal, aka karuvigal and pura karuvigal of the given patient	PSY-GUD	MK	SH			F&S	III	
CO7	Conduct the Ennvagai thervu examination and Manikadai nool evaluation for the given patient	PSY-GUD	MK	SH			F&S	III	
CO7	Integrate the derangement of Mukkutram in the given patient.	PSY-SET	MK	SH			F&S	III	
CO7	Formulate the line of treatment and appropriate choice of taste	AFT-	MK	KH			F	III	

	(Suvai) for the given patient.	RES							
CO7	Discuss the antagonistic qualities to balance the deranged Mukkutram for the given patient.	CC	MK	K			F	III	
CO6,CO7	Infer the curable and incurable conditions (theerum theera nilai) of Saganavaatham	CC	MK	K			F	III	
Topic 21									
Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Kumba vaatham.									
CO7	Observe the Yaakkai ilakkanam for the given patient	PSY-SET	MK	SH	L_VC ,CBL, D_BE D	P-EXAM	F&S	III	
CO7	Perform the examination to assess Udal thathukkal, aka karuvigal and pura karuvigal of the given patient	PSY-GUD	MK	SH			F&S	III	
CO7	Conduct the Ennvagai thervu examination and Manikadai nool evaluation for the given patient	PSY-GUD	MK	SH			F&S	III	
CO7	Integrate the derangement of Mukkutram in the given patient.	PSY-SET	MK	SH			F&S	III	
CO7	Formulate the line of treatment and appropriate choice of taste	AFT-	MK	KH			F	III	

	(Suvai) for the given patient.	RES							
CO7	Discuss the antagonistic qualities to balance the deranged Mukkutram for the given patient.	CC	MK	K			F	III	
CO6,CO7	Infer the curable and incurable conditions (theerum theera nilai) of kumbavatham	CC	MK	K			F	III	
Topic 22									
Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Utharavaathasuronitham.									
CO7	Observe the Yaakkai ilakkanam for the given patient	PSY-SET	MK	SH	L_VC ,CBL, D_BE D	P-EXAM	F&S	III	
CO7	Perform the examination to assess Udal thathukkal, aka karuvigal and pura karuvigal of the given patient	PSY-GUD	MK	SH			F&S	III	
CO7	Conduct the Ennvagai thervu examination and Manikadai nool evaluation for the given patient	PSY-GUD	MK	SH			F&S	III	
CO7	Integrate the derangement of Mukkutram in the given patient.	PSY-SET	MK	SH			F&S	III	
CO7	Formulate the line of treatment and appropriate choice of taste	AFT-	MK	KH			F	III	

	(Suvai) for the given patient.	RES							
CO7	Discuss the antagonistic qualities to balance the deranged Mukkutram for the given patient.	CC	MK	K			F	III	
CO6,CO7	Infer the curable and incurable conditions (theerum theera nilai) of Uthira vatha suronitham	CC	MK	K			F	III	
Topic 23									
Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Arputhavaatham.									
CO7	Observe the Yaakkai ilakkanam for the given patient	PSY-SET	MK	SH	L_VC ,CBL, D_BE D	P-EXAM	F&S	III	
CO7	Perform the examination to assess Udal thathukkal, aka karuvigal and pura karuvigal of the given patient	PSY-GUD	MK	SH			F&S	III	
CO7	Conduct the Ennvagai thervu examination and Manikadai nool evaluation for the given patient	PSY-GUD	MK	SH			F&S	III	
CO7	Integrate the derangement of Mukkutram in the given patient.	PSY-SET	MK	SH			F&S	III	
CO7	Formulate the line of treatment and appropriate choice of taste	AFT-	MK	KH			F	III	

	(Suvai) for the given patient.	RES							
CO7	Discuss the antagonistic qualities to balance the deranged Mukkutram for the given patient.	CC	MK	K			F	III	
CO6,CO7	Infer the curable and incurable conditions (theerum theera nilai) of arputhavatham	CC	MK	K			F	III	
Topic 24									
Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Virana silethumam.									
CO7	Observe the Yaakkai ilakkanam for the given patient	PSY-SET	MK	SH	L_VC ,CBL, D_BE D	P-EXAM	F&S	I	
CO7	Perform the examination to assess Udal thathukkal, aka karuvigal and pura karuvigal of the given patient	PSY-GUD	MK	SH			F&S	I	
CO7	Conduct the Ennvagai thervu examination and Manikadai nool evaluation for the given patient	PSY-GUD	MK	SH			F&S	I	
CO7	Integrate the derangement of Mukkutram in the given patient.	PSY-GUD	MK	SH			F&S	I	
CO7	Formulate the line of treatment and appropriate choice of taste	AFT-	MK	KH			F	I	

	(Suvai) for the given patient.	RES							
CO7	Discuss the antagonistic qualities to balance the deranged Mukkutram for the given patient.	CC	MK	K			F	I	
CO6,CO7	Infer the curable and incurable conditions (theerum theera nilai) of Virana silethumam	CC	MK	K			F	I	
Topic 25									
Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Uragavaatham.									
CO7	Observe the Yaakkai ilakkanam for the given patient	PSY-SET	MK	SH	L_VC ,CBL, D_BE D	P-EXAM	F&S	III	
CO7	Perform the examination to assess Udal thathukkal, aga karuvigal and pura karuvigal of the given patient	PSY-GUD	MK	SH			F&S	III	
CO7	Conduct the Ennvagai thervu examination and Manikadai nool evaluation for the given patient	PSY-GUD	MK	SH			F&S	III	
CO7	Integrate the derangement of Mukkutram in the given patient.	PSY-SET	MK	SH			F&S	III	
CO7	Formulate the line of treatment and appropriate choice of taste	AFT-	MK	KH			F	III	

	(Suvai) for the given patient.	RES							
CO7	Discuss the antagonistic qualities to balance the deranged Mukkutram for the given patient.	CC	MK	K			F	III	
CO6,CO7	Infer the curable and incurable conditions (theerum theera nilai) of Uragathavatham	CC	MK	K			F	III	

Topic 26

Examination of Naa insight of Mukkutram.

CO2,CO7	Observe the given patient/ clinical history/ photography and note down the discoloration, coating, tooth impression, size of Naa (Tongue).	PSY-SET	MK	SH	L&PP T,CB L,D_ BED	P-EXAM	F&S	II	
CO2,CO7	Observe the given patient/ clinical history/ photography and note down the deviation, protrusion, ulceration, tumors and fissures of Naa (Tongue).	PSY-SET	MK	SH			F&S	II	
CO2,CO7	Express the changes in Naa with insight to Mukkutram .	PSY-SET	MK	SH			F&S	II	

Topic 27

Examination of Niram insight of Mukkutram

CO2,CO7	Observe the given patient/ clinical history/ photography and note down the colour changes in affected area	PSY-SET	MK	SH	L_VC ,CBL, D_BE D	P-EXAM	F&S	II	
CO2,CO7	Observe the given patient/ clinical history/ photography and note down the colour changes in conjunctiva, nails and teeth.	PSY-SET	MK	SH			F&S	II	
CO2,CO7	Express the changes in Niram with insight to Mukkutram .	PSY-SET	MK	SH			F&S	II	
Topic 28									
Examination of Mozhi insight of Mukkutram									
CO7	Observe the recorded voice tone/ given patient/ clinical history/ photography to note down the changes in voice	PSY-SET	MK	SH	L_VC ,CBL, PT	P-EXAM	F&S	II	
CO7	Express the changes in Mozhi with insight to Mukkutram	PSY-SET	MK	SH		SP	F&S	II	
Topic 29									
Examination of Vizhi insight of Mukkutram									
CO2,CO7	Observe the given patient/ clinical history/ photography to note down the changes in colour of conjunctiva	PSY-SET	MK	SH	L&G D,CB	P-EXAM	F&S	II	

					L,PT				
CO2,CO7	Observe the given patient/ clinical history/ photography to note down the area of lesions in iris using iridoscope and find out the affected organ using iridology chart.	PSY-SET	MK	SH			F&S	II	
CO2,CO7	Express the changes in Vizhi with insight to Mukkutram .	PSY-SET	MK	SH			F&S	II	
Topic 30									
Examination of Sparisam insight of Mukkutram									
CO7	Observe the given patient/ clinical history/ photography to note down the temperature and sensation	PSY-GUD	MK	SH	PT	P-EXAM	F&S	II	
CO7	Observe the given patient/ clinical history/ photography to note down the dryness, scalings, fissures and ulceration of skin using dermoscope	PSY-GUD	MK	SH	SIM		F&S	II	
CO7	Observe the given patient/ clinical history/ photography to note down the nature of hair	PSY-GUD	MK	SH	CBL		F&S	II	
CO7	Express the changes in Sparisam with insight to Mukkutram	PSY-GUD	MK	SH	D_BE D		F&S	II	
Topic 31									
Examination of Neerkkuri insight of Mukkutram									

CO7	Observe the given patient/ clinical history/ photography to note down the colour, odour, froth, specific gravity, frequency and deposits in urine	PSY-SET	MK	SH	PT,D_BED	P-EXAM	F&S	I	
CO7	Express the changes in Neerkuri with insight to Mukkutram	PSY-SET	MK	SH			F&S	I	
Topic 32									
Examination of Neikkuri insight of Mukkutram									
CO7	Observe the patterns of Neikuri in urine of the given patient	PSY-SET	MK	SH	PT,D_BED	P-EXAM	F&S	I	
CO7	Express the changes in Niram with insight to Mukkutram and Theerum Theera Nilai	PSY-SET	MK	SH			F&S	I	
Topic 33									
Identify the main five vaatham affected in the given patient /for the given case histroy.									
CO7	Observe the derangement of Vadham in OPD/IPD patients	PSY-SET	MK	SH	CBL, ECE, D_BE D	P-EXAM	F&S	I	
CO7	Interpret the derangement of vadham for the given case history	CC	MK	K		SP	F&S	I	

Topic 34

Identify the types of Pitham affected in the given patient/for the given case history.

CO7	Observe the derangement of Pitham in OPD/IPD patients	PSY-SET	MK	SH	CBL, ECE, D_BE D	P-EXAM	F&S	I	
CO7	Interpret the derangement of Pitham for the given case history	CC	MK	K		SP	F&S	I	

Topic 35

Identify the types of kabam affected in the given patient/for the given case history.

CO7	Observe the derangement of Kabam in OPD/IPD patients	PSY-SET	MK	SH	CBL, ECE, D_BE D	P-EXAM	F&S	I	
CO7	Interpret the derangement of kabam for the given case history	CC	MK	K		SP	F&S	I	

Topic 36

Examination of Malam insight of Mukkutram

CO7	Observe the derangement of udal thathukkal in OPD/IPD patients	PSY-SET	MK	SH	CBL, ECE, D_BE D	P-EXAM	F&S	II	
CO7	Interpret the derangement of udal thathukkal for the given case history	CC	MK	K			F&S	II	

Topic 37

Identify the types of udal thathukkal(Saaram,senneer,oonn,kozhuppu,enbu,moolai,sukkilam/sronitham) affected in the given patient/for the given case history.

CO7	Observe the derangement of Udal thathukkal (kozhuppu,enbu,moolai,sukkilam/suronitham) in OPD/IPD patients	PSY-SET	MK	SH	CBL, ECE, D_BE D	P-EXAM	F&S	II	
CO7	Interpret the derangement of Udal thathukkal (kozhuppu,enbu,moolai,sukkilam/suronitham) in OPD/IPD patients	CC	MK	K			F&S	II	

Topic 38

Examine the pulse sensation or pattern for the patient/drawn pulse pattern of menstruation and its abnormalities.

CO7	Perform the Naadi assessment (pulse diagnosis) for menstrual women in OPD/IPD	PSY-SET	MK	SH	L&G D,CB L,EC E	P-EXAM	F&S	II	
CO7	Interpret the naadi patterns manifested in conditions of menstruation	CC	MK	K			F&S	II	
Topic 39									
Examine the pulse sensation or pattern for the patient with infertility and its abnormalities.									
CO7	Perform the Naadi assessment (pulse diagnosis) in OPD/IPD patient with infertility patients.	PSY-SET	MK	SH	L&G D,CB L,EC E	P-EXAM	F&S	II	
CO7	Interpret the naadi patterns manifested in conditions of Infertility.	CC	MK	K		SP	F&S	II	
Topic 40									
Examine the pulse sensation or drawn pattern for the pregnant women with details .									
CO7	Perform the Naadi assessment (pulse diagnosis) for pregnant	PSY-	MK	SH	CBL,	P-EXAM	F&S	II	

	women in OPD/IPD	SET			ECE, D_BE D			
CO7	Interpret the naadi patterns manifested in Pregnancy .	CC	MK	K			F&S	II

Table 4a: List of Practical

S.No	Name of practical	Term	Activity	Practical hrs
1	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Paandu noi.	2	<p>Stepwise procedures to conduct Clinics and clinical examination.</p> <ol style="list-style-type: none"> 1. Prepare the patient for the clinical examination 2. take the histry of the patient, complaints and duration with vitals . 3. Assess the Yaakkai then interpret with deranged udalthathukkal and compare with aga and pura karuvigal. 4. subjected to Ennvagaithervu and Manikkadainool 5. with the above analysis arraive the diagnosis based on Mukkatram pertained to the disease. 6. Prescribe the line of treatment based on Mukkutram , suvai and gunam for the the diagnosed patient. 7. State the theerum theera nilai (curable and incurable) of the particular disease. 	6
2	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Peenisam	1	<p>Stepwise procedures to conduct Clinics and clinical examination.</p> <ol style="list-style-type: none"> 1. Prepare the patient for the clinical examination 2. take the histry of the patient, complaints and duration with vitals . 3. Assess the Yaakkai then interpret with deranged udalthathukkal and compare with aga and pura karuvigal. 4. subjected to Ennvagaithervu and Manikkadainool 5. with the above analysis arraive the diagnosis based on Mukkatram pertained to the disease. 6. Prescribe the line of treatment based on Mukkutram , suvai and gunam for the the diagnosed patient. 7. State the theerum theera nilai (curable and incurable) of the particular disease. 	5

3	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Iraippu noi	1	<p>Stepwise procedures to conduct Clinics and clinical examination.</p> <ol style="list-style-type: none"> 1. Prepare the patient for the clinical examination 2. take the history of the patient, complaints and duration with vitals . 3. Assess the Yaakkai then interpret with deranged udalthathukkal and compare with aga and pura karuvigal. 4. subjected to Ennvagaithervu and Manikkadainool 5. with the above analysis arrive the diagnosis based on Mukkatram pertained to the disease. 6. Prescribe the line of treatment based on Mukkutram , suvai and gunam for the the diagnosed patient. 7. State the theerum theera nilai (curable and incurable) of the particular disease. 	5
4	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Kaamalai noi.	2	<p>Stepwise procedures to conduct Clinics and clinical examination.</p> <ol style="list-style-type: none"> 1. Prepare the patient for the clinical examination 2. take the history of the patient, complaints and duration with vitals . 3. Assess the Yaakkai then interpret with deranged udalthathukkal and compare with aga and pura karuvigal. 4. subjected to Ennvagaithervu and Manikkadainool 5. with the above analysis arrive the diagnosis based on Mukkatram pertained to the disease. 6. Prescribe the line of treatment based on Mukkutram , suvai and gunam for the the diagnosed patient. 7. State the theerum theera nilai (curable and incurable) of the particular disease. 	6

5	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Karappan noi.	1	<p>Stepwise procedures to conduct Clinics and clinical examination.</p> <ol style="list-style-type: none"> 1. Prepare the patient for the clinical examination 2. take the history of the patient, complaints and duration with vitals . 3. Assess the Yaakkai then interpret with deranged udalthathukkal and compare with aga and pura karuvigal. 4. subjected to Ennvagaithervu and Manikkadainool 5. with the above analysis arrive the diagnosis based on Mukkatram pertained to the disease. 6. Prescribe the line of treatment based on Mukkutram , suvai and gunam for the the diagnosed patient. 7. State the theerum theera nilai (curable and incurable) of the particular disease. 	5
6	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Kaalanjagapadai.	1	<p>Stepwise procedures to conduct Clinics and clinical examination.</p> <ol style="list-style-type: none"> 1. Prepare the patient for the clinical examination 2. take the history of the patient, complaints and duration with vitals . 3. Assess the Yaakkai then interpret with deranged udalthathukkal and compare with aga and pura karuvigal. 4. subjected to Ennvagaithervu and Manikkadainool 5. with the above analysis arrive the diagnosis based on Mukkatram pertained to the disease. 6. Prescribe the line of treatment based on Mukkutram , suvai and gunam for the the diagnosed patient. 7. State the theerum theera nilai (curable and incurable) of the particular disease. 	5

7	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Venpadai noi.	1	<p>Stepwise procedures to conduct Clinics and clinical examination.</p> <ol style="list-style-type: none"> 1. Prepare the patient for the clinical examination 2. take the history of the patient, complaints and duration with vitals . 3. Assess the Yaakkai then interpret with deranged udalthathukkal and compare with aga and pura karuvigal. 4. subjected to Ennvagaithervu and Manikkadainool 5. with the above analysis arrive the diagnosis based on Mukkatram pertained to the disease. 6. Prescribe the line of treatment based on Mukkutram , suvai and gunam for the the diagnosed patient. 7. State the theerum theera nilai (curable and incurable) of the particular disease. 	5
8	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Mathumegam.	3	<p>Stepwise procedures to conduct Clinics and clinical examination.</p> <ol style="list-style-type: none"> 1. Prepare the patient for the clinical examination 2. take the history of the patient, complaints and duration with vitals . 3. Assess the Yaakkai then interpret with deranged udalthathukkal and compare with aga and pura karuvigal. 4. subjected to Ennvagaithervu and Manikkadainool 5. with the above analysis arrive the diagnosis based on Mukkatram pertained to the disease. 6. Prescribe the line of treatment based on Mukkutram , suvai and gunam for the the diagnosed patient. 7. State the theerum theera nilai (curable and incurable) of the particular disease. 	3

9	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Kuruthiazhutham.	2	<p>Stepwise procedures to conduct Clinics and clinical examination.</p> <ol style="list-style-type: none"> 1. Prepare the patient for the clinical examination 2. take the history of the patient, complaints and duration with vitals . 3. Assess the Yaakkai then interpret with deranged udalthathukkal and compare with aga and pura karuvigal. 4. subjected to Ennvagaithervu and Manikkadainool 5. with the above analysis arrive the diagnosis based on Mukkatram pertained to the disease. 6. Prescribe the line of treatment based on Mukkutram , suvai and gunam for the the diagnosed patient. 7. State the theerum theera nilai (curable and incurable) of the particular disease. 	4
10	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Neersurukku.	3	<p>Stepwise procedures to conduct Clinics and clinical examination.</p> <ol style="list-style-type: none"> 1. Prepare the patient for the clinical examination 2. take the history of the patient, complaints and duration with vitals . 3. Assess the Yaakkai then interpret with deranged udalthathukkal and compare with aga and pura karuvigal. 4. subjected to Ennvagaithervu and Manikkadainool 5. with the above analysis arrive the diagnosis based on Mukkatram pertained to the disease. 6. Prescribe the line of treatment based on Mukkutram , suvai and gunam for the the diagnosed patient. 7. State the theerum theera nilai (curable and incurable) of the particular disease. 	3

11	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Vellai noi.	3	<p>Stepwise procedures to conduct Clinics and clinical examination.</p> <ol style="list-style-type: none"> 1. Prepare the patient for the clinical examination 2. take the history of the patient, complaints and duration with vitals . 3. Assess the Yaakkai then interpret with deranged udalthathukkal and compare with aga and pura karuvigal. 4. subjected to Ennvagaithervu and Manikkadainool 5. with the above analysis arrive the diagnosis based on Mukkatram pertained to the disease. 6. Prescribe the line of treatment based on Mukkutram , suvai and gunam for the the diagnosed patient. 7. State the theerum theera nilai (curable and incurable) of the particular disease. 	3
12	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Perumpaadu.	3	<p>Stepwise procedures to conduct Clinics and clinical examination.</p> <ol style="list-style-type: none"> 1. Prepare the patient for the clinical examination 2. take the history of the patient, complaints and duration with vitals . 3. Assess the Yaakkai then interpret with deranged udalthathukkal and compare with aga and pura karuvigal. 4. subjected to Ennvagaithervu and Manikkadainool 5. with the above analysis arrive the diagnosis based on Mukkatram pertained to the disease. 6. Prescribe the line of treatment based on Mukkutram , suvai and gunam for the the diagnosed patient. 7. State the theerum theera nilai (curable and incurable) of the particular disease. 	2

13	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Soothagavali.	3	<p>Stepwise procedures to conduct Clinics and clinical examination.</p> <ol style="list-style-type: none"> 1. Prepare the patient for the clinical examination 2. take the history of the patient, complaints and duration with vitals . 3. Assess the Yaakkai then interpret with deranged udalthathukkal and compare with aga and pura karuvigal. 4. subjected to Ennvagaithervu and Manikkadainool 5. with the above analysis arrive the diagnosis based on Mukkatram pertained to the disease. 6. Prescribe the line of treatment based on Mukkutram , suvai and gunam for the the diagnosed patient. 7. State the theerum theera nilai (curable and incurable) of the particular disease. 	2
14	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Soothagavaayu.	3	<p>Stepwise procedures to conduct Clinics and clinical examination.</p> <ol style="list-style-type: none"> 1. Prepare the patient for the clinical examination 2. take the history of the patient, complaints and duration with vitals . 3. Assess the Yaakkai then interpret with deranged udalthathukkal and compare with aga and pura karuvigal. 4. subjected to Ennvagaithervu and Manikkadainool 5. with the above analysis arrive the diagnosis based on Mukkatram pertained to the disease. 6. Prescribe the line of treatment based on Mukkutram , suvai and gunam for the the diagnosed patient. 7. State the theerum theera nilai (curable and incurable) of the particular disease. 	2

15	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Soothagakattu.	3	<p>Stepwise procedures to conduct Clinics and clinical examination.</p> <ol style="list-style-type: none"> 1. Prepare the patient for the clinical examination 2. take the history of the patient, complaints and duration with vitals . 3. Assess the Yaakkai then interpret with deranged udalthathukkal and compare with aga and pura karuvigal. 4. subjected to Ennvagaithervu and Manikkadainool 5. with the above analysis arrive the diagnosis based on Mukkatram pertained to the disease. 6. Prescribe the line of treatment based on Mukkutram , suvai and gunam for the the diagnosed patient. 7. State the theerum theera nilai (curable and incurable) of the particular disease. 	2
16	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Moola noi.	2	<p>Stepwise procedures to conduct Clinics and clinical examination.</p> <ol style="list-style-type: none"> 1. Prepare the patient for the clinical examination 2. take the history of the patient, complaints and duration with vitals . 3. Assess the Yaakkai then interpret with deranged udalthathukkal and compare with aga and pura karuvigal. 4. subjected to Ennvagaithervu and Manikkadainool 5. with the above analysis arrive the diagnosis based on Mukkatram pertained to the disease. 6. Prescribe the line of treatment based on Mukkutram , suvai and gunam for the the diagnosed patient. 7. State the theerum theera nilai (curable and incurable) of the particular disease. 	6

17	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Nadukku vaadham.	3	<p>Stepwise procedures to conduct Clinics and clinical examination.</p> <ol style="list-style-type: none"> 1. Prepare the patient for the clinical examination 2. take the history of the patient, complaints and duration with vitals . 3. Assess the Yaakkai then interpret with deranged udalthathukkal and compare with aga and pura karuvigal. 4. subjected to Ennvagaithervu and Manikkadainool 5. with the above analysis arrive the diagnosis based on Mukkatram pertained to the disease. 6. Prescribe the line of treatment based on Mukkutram , suvai and gunam for the the diagnosed patient. 7. State the theerum theera nilai (curable and incurable) of the particular disease. 	3
18	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Vaathasthambam.	3	<p>Stepwise procedures to conduct Clinics and clinical examination.</p> <ol style="list-style-type: none"> 1. Prepare the patient for the clinical examination 2. take the history of the patient, complaints and duration with vitals . 3. Assess the Yaakkai then interpret with deranged udalthathukkal and compare with aga and pura karuvigal. 4. subjected to Ennvagaithervu and Manikkadainool 5. with the above analysis arrive the diagnosis based on Mukkatram pertained to the disease. 6. Prescribe the line of treatment based on Mukkutram , suvai and gunam for the the diagnosed patient. 7. State the theerum theera nilai (curable and incurable) of the particular disease. 	3

19	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Thandagavaatham.	3	<p>Stepwise procedures to conduct Clinics and clinical examination.</p> <ol style="list-style-type: none"> 1. Prepare the patient for the clinical examination 2. take the history of the patient, complaints and duration with vitals . 3. Assess the Yaakkai then interpret with deranged udalthathukkal and compare with aga and pura karuvigal. 4. subjected to Ennvagaithervu and Manikkadainool 5. with the above analysis arrive the diagnosis based on Mukkatram pertained to the disease. 6. Prescribe the line of treatment based on Mukkutram , suvai and gunam for the the diagnosed patient. 7. State the theerum theera nilai (curable and incurable) of the particular disease. 	3
20	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Saganavaatham.	3	<p>Stepwise procedures to conduct Clinics and clinical examination.</p> <ol style="list-style-type: none"> 1. Prepare the patient for the clinical examination 2. take the history of the patient, complaints and duration with vitals . 3. Assess the Yaakkai then interpret with deranged udalthathukkal and compare with aga and pura karuvigal. 4. subjected to Ennvagaithervu and Manikkadainool 5. with the above analysis arrive the diagnosis based on Mukkatram pertained to the disease. 6. Prescribe the line of treatment based on Mukkutram , suvai and gunam for the the diagnosed patient. 7. State the theerum theera nilai (curable and incurable) of the particular disease. 	3

21	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Kumba vaatham.	3	<p>Stepwise procedures to conduct Clinics and clinical examination.</p> <ol style="list-style-type: none"> 1. Prepare the patient for the clinical examination 2. take the history of the patient, complaints and duration with vitals . 3. Assess the Yaakkai then interpret with deranged udalthathukkal and compare with aga and pura karuvigal. 4. subjected to Ennvagaithervu and Manikkadainool 5. with the above analysis arrive the diagnosis based on Mukkatram pertained to the disease. 6. Prescribe the line of treatment based on Mukkutram , suvai and gunam for the the diagnosed patient. 7. State the theerum theera nilai (curable and incurable) of the particular disease. 	3
22	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Utharavaathasuronitham.	3	<p>Stepwise procedures to conduct Clinics and clinical examination.</p> <ol style="list-style-type: none"> 1. Prepare the patient for the clinical examination 2. take the history of the patient, complaints and duration with vitals . 3. Assess the Yaakkai then interpret with deranged udalthathukkal and compare with aga and pura karuvigal. 4. subjected to Ennvagaithervu and Manikkadainool 5. with the above analysis arrive the diagnosis based on Mukkatram pertained to the disease. 6. Prescribe the line of treatment based on Mukkutram , suvai and gunam for the the diagnosed patient. 7. State the theerum theera nilai (curable and incurable) of the particular disease. 	3

23	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Arputhavaatham.	3	<p>Stepwise procedures to conduct Clinics and clinical examination.</p> <ol style="list-style-type: none"> 1. Prepare the patient for the clinical examination 2. take the history of the patient, complaints and duration with vitals . 3. Assess the Yaakkai then interpret with deranged udalthathukkal and compare with aga and pura karuvigal. 4. subjected to Ennvagaithervu and Manikkadainool 5. with the above analysis arrive the diagnosis based on Mukkatram pertained to the disease. 6. Prescribe the line of treatment based on Mukkutram , suvai and gunam for the the diagnosed patient. 7. State the theerum theera nilai (curable and incurable) of the particular disease. 	2
24	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Virana silethumam.	3	<p>Stepwise procedures to conduct Clinics and clinical examination.</p> <ol style="list-style-type: none"> 1. Prepare the patient for the clinical examination 2. take the history of the patient, complaints and duration with vitals . 3. Assess the Yaakkai then interpret with deranged udalthathukkal and compare with aga and pura karuvigal. 4. subjected to Ennvagaithervu and Manikkadainool 5. with the above analysis arrive the diagnosis based on Mukkatram pertained to the disease. 6. Prescribe the line of treatment based on Mukkutram , suvai and gunam for the the diagnosed patient. 7. State the theerum theera nilai (curable and incurable) of the particular disease. 	2

25	Examination of the patient through yakkai, aga karuvigal and pura karuvigal,udal thathukkal ,ennvagai thervu, manikkadai nool, mukkutram and prescribe the line of treatment based on mukkutram, suvai and gunam and state the theerum theera nilai of Uragavaatham.	3	<p>Stepwise procedures to conduct Clinics and clinical examination.</p> <ol style="list-style-type: none"> 1. Prepare the patient for the clinical examination 2. take the history of the patient, complaints and duration with vitals . 3. Assess the Yaakkai then interpret with deranged udalthathukkal and compare with aga and pura karuvigal. 4. subjected to Ennvagaithervu and Manikkadainool 5. with the above analysis arrive the diagnosis based on Mukkatram pertained to the disease. 6. Prescribe the line of treatment based on Mukkutram , suvai and gunam for the diagnosed patient. 7. State the theerum theera nilai (curable and incurable) of the particular disease. 	3
26	Examination of Naa insight of Mukkutram.	2	<p>Stepwise procedures to examination insight of Mukkutram.</p> <ol style="list-style-type: none"> 1. Prepare the patient / clinical history/photos/spotters for the clinical examination. 2. Prescribe the deranged mukkutram. 	3
27	Examination of Niram insight of Mukkutram	2	<p>Stepwise procedures to examination insight of Mukkutram.</p> <ol style="list-style-type: none"> 1. Prepare the patient / clinical history/photos/spotters for the clinical examination. 2. Prescribe the deranged mukkutram. 	3
28	Examination of Mozhi insight of Mukkutram	2	<p>Stepwise procedures to examination insight of Mukkutram.</p>	3

			<ol style="list-style-type: none"> 1. Prepare the patient / clinical history/photos/spotters for the clinical examination. 2. Prescribe the deranged mukkuttram. 	
29	Examination of Vizhi insight of Mukkutram	2	<p>Stepwise procedures to examination insight of Mukkutram.</p> <ol style="list-style-type: none"> 1. Prepare the patient / clinical history/photos/spotters for the clinical examination. 2. Prescribe the deranged mukkuttram. 	3
30	Examination of Sparisam insight of Mukkutram	2	<p>Stepwise procedures to examination insight of Mukkutram.</p> <ol style="list-style-type: none"> 1. Prepare the patient / clinical history/photos/spotters for the clinical examination. 2. Prescribe the deranged mukkuttram. 	3
31	Examination of Neerkkuri insight of Mukkutram	1	<p>Stepwise procedures to examination insight of Mukkutram.</p> <ol style="list-style-type: none"> 1. Prepare the patient / clinical history/photos/spotters for the clinical examination. 2. Prescribe the deranged mukkuttram. 	5
32	Examination of Neikkuri insight of Mukkutram	1	<p>Stepwise procedures to examination insight of Mukkutram.</p> <ol style="list-style-type: none"> 1. Prepare the patient / clinical history/photos/spotters for the clinical examination. 2. Prescribe the deranged mukkuttram. 	5

33	Identify the main five vaatham affected in the given patient /for the given case histroy.	1	Stepwise procedures for the affected Vadham. <ol style="list-style-type: none"> 1. Prepare the patient / clinical history for the clinical examination. 2. Prescribe the deranged Vadham. 	3
34	Identify the types of Pitham affected in the given patient/for the given case histroy.	1	Stepwise procedures for the affected Pitham. <ol style="list-style-type: none"> 1. Prepare the patient / clinical history for the clinical examination. 2. Prescribe the deranged Pitham. 	2
35	Identify the types of kabam affected in the given patient/for the given case histroy.	1	Stepwise procedures for the affected Kabam. <ol style="list-style-type: none"> 1. Prepare the patient / clinical history for the clinical examination. 2. Prescribe the deranged Kabam. 	2
36	Examination of Malam insight of Mukkutram	2	Stepwise procedures to examination insight of Mukkutram. <ol style="list-style-type: none"> 1. Prepare the patient / clinical history/photos/spotters for the clinical examination. 2. Prescribe the deranged mukkutram. 	3
37	Identify the types of udal thathukkal(Saaram,senneer,oonn,kozhuppu,enbu,moolai,sukkilam/sronitham) affected in the given patient/for the given case histroy.	2	Stepwise procedures for the deranged udalthathukkal (kozhuppu,enbu,moolai,sukkilam/sronitham) <ol style="list-style-type: none"> 1. Prepare the patient / clinical history for the clinical examination. 2. Prescribe the deranged udalthathukkal(Saaram,senneer,oonn,kozhuppu,enbu,moolai,sukkilam/sronitham) 	7

38	Examine the pulse sensation or pattern for the patient/drawn pulse pattern of menstruation and its abnormalities.	2	Stepwise procedures for the 1. Sense the Pulse of the menstrual women/drawn pulse pattern of menstruation and its abnormalities.	3
39	Examine the pulse sensation or pattern for the patient with infertility and its abnormalities.	2	Stepwise procedures for the 1. Sense the Pulse of the infertility patient /drawn pulse pattern of infertility and its abnormalities.	3
40	Examine the pulse sensation or drawn pattern for the pregnant women with details .	2	Stepwise procedures for the 1. Sense the Pulse of the Pregnant women /drawn pulse pattern of Pregnant women and its details.	3
Total Hr				140

Activity

CO	Topic name	Activity Details	Hours#
CO2	Guru Naadi	Conduct a Symposium. <ul style="list-style-type: none"> • Arrange a symposium in your college • Naadi Expertise are called to share their views in the Guru Naadi topics • Then the students are introduced with hands on training and question answer session to clear their doubts. • students can make sure that they can sense the above Naadi. 	60 minutes

CO2	Bootha naadi, Pura naadi, Imbootha naadi, Karpanaadi	<p>Conduct a Symposium.</p> <ul style="list-style-type: none"> • Arrange a symposium in your college • Naadi Expertise are called to share their views in the above topics • Then the students are introduced with hands on training and question answer session to clear their doubts. • students can make sure that they can sense the above Naadi. 	30 minutes
CO2,CO4	Curable and incurable forms of Naadi.	<p>Lecture with power point , Conduct a symposium</p> <ul style="list-style-type: none"> • Theerum - Naadi and kurigunam (Pulse Rhythm of easily Curable clinical conditions without medications), • Saathiya - Naadi and kurigunam (Pulse Rhythm of Curable clinical conditions with some medications) • Theera - Naadi and kurigunam (Abnormal Pulse Rhythm of incurable diseases i.e., clinical symptoms may not be present), • Asaathiya - Naadi and kurigunam (Abnormal Pulse Rhythm sometimes turn to saathiyam sometimes leads to fatal), • Maranna - Naadi and kurigunam (Abnormal Pulse Rhythm of Fatal clinical conditions) <ul style="list-style-type: none"> • Arrange a symposium in your college • Naadi Expertise are called to share their views in the above topics • Then the students are introduced with hands on training and question answer session to clear their doubts. • students can make sure that they can sense the above Naadi. 	30 minutes

		<ul style="list-style-type: none"> • Under the guidance of Faculty the students can check the above Variations in OPD and IPD Patients ,make in to practice and document it for the futuristic clinical practice. 	
CO2	Integrate the SCORAD Scale with 18 types of Kuttam (Skin disease)	<ul style="list-style-type: none"> • Take a source from google as SCORAD SCALE • students are guided by Noi Naadal faculty or OPD or IPD faculty • With the Faculty guidance Students have to interact with different skin diagnosed patient with cases of OPD and IPD • Fill in the forms get it checked and corrected by faculty • Then they can have as Group discussions • By Self directed learning it can be documented at least for 100 cases. 	10 minutes
CO2	Integrate the Fatzpatrick scale with skin colour.	<ul style="list-style-type: none"> • Download a source from google as Fatzpatrick SCALE • students are guided by Noi Naadal faculty or OPD or IPD faculty • With the Faculty guidance Students have to interact with different skin diagnosed Patients with cases of OPD and IPD • Fill in the forms get it checked and corrected by faculty • Then they can have as Group discussions • By Self directed learning it can be documented at least for 100 cases. 	20 minutes
CO3	Varma Naadi routes and establish its vital role in diagnostic analytics (12 Naadi Pathways)	<ul style="list-style-type: none"> • Varmam Experts are called to the colleges atleast once in 15 Days (if possible), 	one hour

		<ul style="list-style-type: none"> • Or Annual symposium may be conducted with various Varmam experts. • Students are arranged for frequent classes so that they could identify the Naadi pathways. • students should get exposure in such a way that they must know all naadi pathways,naadi derangements,line of treatment according to varmam basics. • Hands on training in ascessing varmam Naadi is more essential. 	
CO2	Dhasavidha Paritchai	<p>Conduct a Symposium.</p> <ul style="list-style-type: none"> • Arrange a symposium in your college • Clinical Expertise who are well versed in basic fundamendal documentations in 10 folds criterion are called to share their views in the above topics to the students groups divded atleast 10 in a group. • Then the students are introduced with hands on training and question answer session to clear their doubts. • students can make sure that they can sense the above methods and practice the methods for OPD and IPD Patients with the guidance of their Faculty and subject it for documentaton.. 	one hour

Hours indicated are included in calculations of Table 3 and 4

Table 5- Teaching learning method

Sr No	Teaching learning methods in the course	No of Activities
1	Lecture	32
2	Lecture with Power point presentation	215
3	Lecture & Group Discussion	154
4	Lecture with Video clips	30
5	Discussions	33

6	Brainstorming	12
7	Inquiry-Based Learning	6
8	CBL	13
9	TBL	8
10	Flipped classroom	12
11	Blended Learning	8
12	Edutainment	3
13	Mobile learning	4
14	ECE	5
15	Simulation	2
16	Self-directed learning	2
17	Kinesthetic Learning	5
18	Game-Based Learning	1
19	Demo on Model	1
20	Peer learning	8
21	Real life experience	6
22	Recitation	1
23	X ray identification	2
24	Case diagnosis	6
25	Lab report interpretation	13
26	Demonstration	6
27	Demonstration Lab	3
28	Activity	5

Table 6: Assessment Summary: Assessment is subdivided in A to H points

6 A-Number of Papers and Marks Distribution

Subject Code	Papers	Theory	Practical/Clinical Assessment					Grand Total
			Practical	Viva	Elective	IA	Sub Total	

SIDUG – NN1	2	200	100	20	10 (Set-SC)	20	150	350
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6 B - Scheme of Assessment (formative and Summative)

PROFESSIONAL COURSE	DURATION OF PROFESSIONAL COURSE		
	First Term (1-6 Months)	Second Term (7-12 Months)	Third Term (13-18 Months)
Second	3 PA & First TT	3 PA & Second TT	3 PA & UE

PA: Periodical Assessment; **TT:** Term Test; **UE**:** University Examinations.

** University Examination shall be on entire syllabus

6 C - Calculation Method for Internal assessment Marks

TERM	PERIODICAL ASSESSMENT*					TERM TEST**	TERM ASSESSMENT
	A	B	C	D	E	F	G
	1 (20)	2 (20)	3 (20)	Average (A+B+C/3) (20)	Term Test (MCQ+SAQ+LAQ and Practical) (Converted to 20)	Sub Total	Term Assessment
FIRST						D+E	(D+E)/2
SECOND						D+E	(D+E)/2
THIRD					NIL		D
Final IA	Average of Three Term Assessment Marks as Shown in 'G' Column.						
	<p>* Select an Evaluation Methods which is appropriate for the objectives of Topics from the Table 6 D. Convert it to 20 marks.</p> <p>** Conduct Theory (100 Marks) (MCQ (20*1 Marks), SAQ (8*5), LAQ (4*10)) and Practical (100 Marks) Then convert to 20 Marks.</p>						

6 D - Evaluation Methods for Periodical Assessment

S. No	Evaluation Methods
1	Practical / Clinical Performance
2	Viva Voce, MCQs, MEQ (Modified Essay Questions/Structured Questions)
3	Open Book Test (Problem Based)
4	Summary Writing (Research Papers/ Samhitas)
5	Class Presentations; Work Book Maintenance
6	Problem Based Assignment
7	Objective Structured Clinical Examination (OSCE), Objective Structured Practical Examination (OPSE), Mini Clinical Evaluation Exercise (Mini-CEX), Direct Observation of Procedures (DOP), Case Based Discussion (CBD)
8	Extra-curricular Activities, (Social Work, Public Awareness, Surveillance Activities, Sports or Other Activities which may be decided by the department).

9	Small Project
10	Activities Indicated in Table 3 - Column G3 as per Indicated I, II or III term in column I3 & I4

6 E Question Paper Pattern

II PROFESSIONAL B.S.M.S EXAMINATIONS

SIDUG – NN1

PAPER-1

Time: 3 Hours Maximum Marks: 100

INSTRUCTIONS: All questions compulsory

		Number of Questions	Marks per question	Total Marks
Q 1	MULTIPLE CHOICE QUESTIONS (MCQ)	20	1	20
Q 2	SHORT ANSWER QUESTIONS (SAQ)	8	5	40
Q 3	LONG ANSWER QUESTIONS (LAQ)	4	10	40
				100

Similar for Paper II

6 F Distribution of theory examination

Paper 1						
Sr. No	A List of Topics	B Term	C Marks	MCQ (1 Mark)	SAQ (5 Marks)	LAQ (10 Marks)
1	1. Introduction to Siddha Pathology	1	8	Yes	Yes	No
2	2. Interrelationship between five elements, six tastes and three humours and abnormalities during their derangements, Yaakkaiyin Ilakkanam (Body Temperament/Siddha Genomics) correlated with diseases	3	12	Yes	No	Yes
3	3. Uyiranal (Basal fire for survival), Udal thee (Metabolic fire)and Mandham, Udal Vanmai	1	2	Yes	No	No
4	4. Variations of Seven Udal thathukkal (Physical constituents)	3	7	Yes	Yes	No
5	5. Mukkutra Iyal (Three Humoural variations)	2	19	Yes	Yes	Yes
6	6. Ennvagai thervu (Eight fold criterion)	2	40	Yes	Yes	Yes
7		1	12	Yes	Yes	No

	7. Special diagnostic methods in Siddha system.					
Total Marks			100			

Paper 2						
Sr. No	A List of Topics	B Term	C Marks	MCQ (1 Mark)	SAQ (5 Marks)	LAQ (10 Marks)
8	1. Suram, Muppini, Ammai Noi, Vippuruthi, Valippu, Ulapirazhvu Noi.	1	6	Yes	Yes	No
9	2. Siddha Respiratory Diseases	1	17	Yes	Yes	Yes
10	3. Siddha Cardio vascular Diseases and Haematology	2	13	Yes	Yes	Yes
11	4. Siddha Gastrointestinal diseases	2	24	Yes	Yes	Yes
12	5. Siddha Genitourinary Diseases	3	7	Yes	Yes	No
13	6. Siddha Dermatology	1	8	Yes	Yes	No

14	7. Siddha Gynaecological diseases and Infertility	3	8	Yes	Yes	No
15	8. Vaatham , Pitham, Kabam (Musculoskeletal and Neurologic diseases)	3	17	Yes	Yes	Yes
Total Marks			100			

Paper No:1		
Question No	Type of Question	Question Paper Format
Q1	<p>Multiple choice Questions 20 Questions 1 mark each All compulsory</p> <p>Must know part - 15 MCQ Desirable to know - 3 MCQ Nice to know part - 2 MCQ</p>	<ol style="list-style-type: none"> 1. 1. Introduction to Siddha Pathology 2. 1. Introduction to Siddha Pathology 3. 1. Introduction to Siddha Pathology 4. 2. Interrelationship between five elements, six tastes and three humours and abnormalities during their derangements, Yaakkaiyin Ilakkanam (Body Temperament/Siddha Genomics) correlated with diseases 5. 2. Interrelationship between five elements, six tastes and three humours and abnormalities during their derangements, Yaakkaiyin Ilakkanam (Body Temperament/Siddha Genomics) correlated with diseases 6. 3. Uyiranal (Basal fire for survival), Udal thee (Metabolic fire)and Mandham, Udal Vanmai 7. 3. Uyiranal (Basal fire for survival), Udal thee (Metabolic fire)and Mandham, Udal Vanmai 8. 4. Variations of Seven Udal thathukkal (Physical constituents) 9. 4. Variations of Seven Udal thathukkal (Physical constituents) 10. 5. Mukkutra Iyal (Three Humoural variations) 11. 5. Mukkutra Iyal (Three Humoural variations) 12. 5. Mukkutra Iyal (Three Humoural variations) 13. 5. Mukkutra Iyal (Three Humoural

		<p>variations)</p> <p>14. 6. Ennvagai thervu (Eight fold criterion)</p> <p>15. 6. Ennvagai thervu (Eight fold criterion)</p> <p>16. 6. Ennvagai thervu (Eight fold criterion)</p> <p>17. 6. Ennvagai thervu (Eight fold criterion)</p> <p>18. 6. Ennvagai thervu (Eight fold criterion)</p> <p>19. 7. Special diagnostic methods in Siddha system.</p> <p>20. 7. Special diagnostic methods in Siddha system.</p>
Q2	<p>Short answer Questions Eight Questions 5 Marks Each All compulsory</p> <p>Must know - 7 SAQ Desirable to know - 1 SAQ No questions on Nice to know</p>	<p>1. 1. Introduction to Siddha Pathology</p> <p>2. 4. Variations of Seven Udal thathukkal (Physical constituents)</p> <p>3. 5. Mukkutra Iyal (Three Humoural variations)</p> <p>4. 6. Ennvagai thervu (Eight fold criterion)</p> <p>5. 6. Ennvagai thervu (Eight fold criterion)</p> <p>6. 6. Ennvagai thervu (Eight fold criterion)</p> <p>7. 7. Special diagnostic methods in Siddha system.</p> <p>8. 7. Special diagnostic methods in Siddha system.</p>
Q3	<p>Long answer Questions Four Questions 10 marks each All compulsory</p>	<p>1. 2. Interrelationship between five elements, six tastes and three humours and abnormalities during their derangements, Yaakkaiyin Ilakkanam (Body</p>

	<p>All questions on must know. No Questions on Nice to know and Desirable to know</p>	<p>Temperament/Siddha Genomics) correlated with diseases</p> <p>2. 5. Mukkutra Iyal (Three Humoural variations)</p> <p>3. 6. Ennvagai thervu (Eight fold criterion)</p> <p>4. 6. Ennvagai thervu (Eight fold criterion)</p>
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Paper No:2

Question No	Type of Question	Question Paper Format
Q1	<p>Multiple choice Questions 20 Questions 1 mark each All compulsory</p> <p>Must know part - 15 MCQ Desirable to know - 3 MCQ Nice to know part - 2 MCQ</p>	<p>1. 1. Suram, Muppini, Ammai Noi, Vippuruthi, Valippu, Ulapirazhvu Noi.</p> <p>2. 2. Siddha Respiratory Diseases</p> <p>3. 2. Siddha Respiratory Diseases</p> <p>4. 3. Siddha Cardio vascular Diseases and Haematology</p> <p>5. 3. Siddha Cardio vascular Diseases and Haematology</p> <p>6. 3. Siddha Cardio vascular Diseases and Haematology</p> <p>7. 4. Siddha Gastrointestinal diseases</p> <p>8. 4. Siddha Gastrointestinal diseases</p> <p>9. 4. Siddha Gastrointestinal diseases</p> <p>10. 4. Siddha Gastrointestinal diseases</p> <p>11. 5. Siddha Genitourinary Diseases</p> <p>12. 5. Siddha Genitourinary Diseases</p> <p>13. 6. Siddha Dermatology</p>

		<p>14. 6. Siddha Dermatology</p> <p>15. 6. Siddha Dermatology</p> <p>16. 7. Siddha Gynaecological diseases and Infertility</p> <p>17. 7. Siddha Gynaecological diseases and Infertility</p> <p>18. 7. Siddha Gynaecological diseases and Infertility</p> <p>19. 8. Vaatham , Pitham, Kabam (Musculoskeletal and Neurologic diseases)</p> <p>20. 8. Vaatham , Pitham, Kabam (Musculoskeletal and Neurologic diseases)</p>
<p>Q2</p>	<p>Short answer Questions Eight Questions 5 Marks Each All compulsory</p> <p>Must know - 7 SAQ Desirable to know - 1 SAQ No questions on Nice to know</p>	<p>1. 1. Suram, Muppini, Ammai Noi, Vippuruthi, Valippu, Ulapirazhvu Noi.</p> <p>2. 2. Siddha Respiratory Diseases</p> <p>3. 4. Siddha Gastrointestinal diseases</p> <p>/</p> <p>3. Siddha Cardio vascular Diseases and Haematology</p> <p>4. 4. Siddha Gastrointestinal diseases</p> <p>/</p> <p>3. Siddha Cardio vascular Diseases and Haematology</p> <p>5. 5. Siddha Genitourinary Diseases</p> <p>6. 6. Siddha Dermatology</p> <p>7. 7. Siddha Gynaecological diseases and Infertility</p>

		8. 8. Vaatham , Pitham, Kabam (Musculoskeletal and Neurologic diseases)
Q3	<p>Long answer Questions Four Questions 10 marks each All compulsory</p> <p>All questions on must know. No Questions on Nice to know and Desirable to know</p>	<p>1. 2. Siddha Respiratory Diseases</p> <p>2. 4. Siddha Gastrointestinal diseases</p> <p>/</p> <p>3. Siddha Cardio vascular Diseases and Haematology</p> <p>3. 4. Siddha Gastrointestinal diseases</p> <p>4. 8. Vaatham , Pitham, Kabam (Musculoskeletal and Neurologic diseases)</p>

6 H Distribution of Practical Exam

S.No	Heads	Marks
1	<p>Major- Clinical Examination of the patient through - Duration : 1.30 hrs</p> <ul style="list-style-type: none">· Yakkai (2 marks) ,· Changes in aga karuvigal and pura karuvigal (6 marks)· Abnormalities in Udal thathukkal (7 marks)· Abnormalities in Ennvagai thervu (20 marks),· Manikkadai nool (4 marks),· Derangements in Mukkutram -Vaadham,Pitham,kabam (15 marks)· Mukkutra verupadu (Pathogenesis of the disease) (3 marks)· Prescribe the line of treatment based on mukkutram, suvai and gunam (10 marks)· Noi kanippu (2 marks)· State the theerum theera nilai (1 marks) -any one clinical case out of 25 different diagnosis(From topic No: 1- 25).	70
2	<p>Minor Clinical :Duration: 30 minutes</p> <ul style="list-style-type: none">· Examination insight of Mukkutram - any 2 (from Topic number 26 -32 in the form of Spotters/Photography/clinical history/Patient).	20

	<ul style="list-style-type: none"> · Uyirthathukkal -any one(from Topic number 33 - 36 in the form of Clinical history/Patient). · Udal thathukkal - any one(from Topic number 37 in the form of Clinical history/Patient). · Pulse patterns of Menstruation,Infertility and Pregnancy - any one(from Topic number from 38 - 40 in the form of Photography / Patient). <p style="text-align: right;">- Total 5</p> <p>minor each carries 4 marks</p>	
3	Record	10
4	Viva	20
5	Electives (Set-SC)	10
6	Internal Assesment	20
Total Marks		150

References Books/ Resources

S.No	Book	Resources
1	Noi Naadal Noi Muthal Naadal Thirattu (Part 1)	Dr.M.Shanmugavelu H.P.I.M, 2 nd Edition, Chennai,
2	Noi Naadal Noi Muthal Naadal Thirattu, (Part 2)	Dr.M.Shanmugavelu H.P.I.M., 2 nd Edition
3	Yugi Vaithiya Chinthamani 800	Yugimuni
4	Siddha Maruthuvanga Surukkam	Dr. K.S.Uthamarayan,H.P.I.M,3 rd Edition , Department of Indian Medicine and Homoeopathy, Chennai, 2003.
5	Siddha Noi Naadal Part I and Part II	Dr. S.K.Sasi M.D.(Siddha)
6	Siddhar Aruvai Maruthuvam,	Dr.K.S.Uthamarayan I,H.P.I.M, 3 rd edition, Department of Indian Medicine and Homoeopathy, Chennai – 106.
7	Udal thathuvam and Magalir Maruthuvam	Dr.P.M.Venugopal,H.P.I.M, 1 st edition, Department of Indian Medicine and Homoeopathy, Chennai, 2019.
8	Siddha Maruthuvam (Pothu)	Dr.K.N.Kuppusamy Mudaliyar,H.P.I.M, Chennai, Department of Indian Medicine and Homoeopathy, Government of Tamilnadu, 2003.
9	Thaeraiyar mahakaraisal moolamum uraiyum	Dr.R.Thiyagarajan L.I.M,Thiyagaraya nagar, Chennai, 1974
10	Thaeraiyar yemaga venpa, Part 2	Dr.R.Thiyagarajan L.I.M.1st edition, Sree boomadevi printers, Shenoy nagar, Chennai, 1997.
11	Agasthiyar Vaidhiya ratna churukam	Mr.S.P.Ramachandran , Thamarai noolagam, Vadapalani, Chennai, 1994
12	Thaeraiyar Neerkuri vaidhiyam, Neerkuri nool nerikuri nool	Mr.S.P.Ramachandran, Thamarai noolagam, Vadapalani Chennai, 2000

13	Agathiyar Kanma Kaandam	Mr.S.P.Raamachandran, Chennai, Thaamarai Noolagam, 1995.
14	Naadi marma moolamum vadivelar virivuraiyum	Thiru.Vadivelu muthaliyar. Sri sangu vinayagar publishers, Sivagangai.
15	Brahmamuni vaidyasuthiram	Saraswathy Mahal noolagam, Thanjavur
16	Kannusamy parambarai vaidhiyam	Mr.C.Kannusamy pillai,, Thirumagal vilaasa achchagam, Chennai, 1948
17	Handbook of Siddha clinical practice, Volume 1	Dr.L.Mahadevan, M.D(Ayur), Dr.S.K.Sasi,M.D.(s), Dr.S.Chitra M.D (s),Dr.J.Sriram, M.D.(s), et al..., Neurology and rheumatology based on Tridosha concepts, Sri sarada publications, 2011.
18	Siddha maruthuvathil suvaikal	Dr.V.Ganapathy M.D(s)., Darjan publications, 2010.
19	Varma nool thoguthi, Part 1	Dr.T.Mohanraj , ATSVS Siddha medical college, Kaniyakumari, 2002. Siddha medical college, Kaniyakumari, 2002.
20	Varma Maruthuvathin Adipadai	Dr. Kannan Rajaram. ATSVS Siddha Medical College, 2008(ISBN – 14978-93-80288-15-4).
21	Maruthuvamum Jothidamum (Thamizhar Vaazhvil Siddha Maruthuvam)	Dr.E.Sivasanmuga Raja, First Edition, Yazhpaanam, Siddha Maruthuva Valarchi Kazhagam, 2006.
22	Pulipaani Vaithiyam (Moolamum Uraiyum)	Mr.R.C.Mogan, 3 rd Edition, Chennai, Thaamarai Noolagam, 2016.
23	Para raasa sekaram, Part 6	Mr.I.E.Ponnaiah, Virus printers, 2016.
24	Dasanaadigal – paathaigal matrum seyapadugal	DR. S.Arjunan , Divya jothi publications, 2012.
25	Varmam Sorporul vilakkam ,Varma maruthuvam – medical varmalogy	DR.N.Shanmugom, Arts research institute, Coimbatore.

26	Noi theerkum muthiraigal	John.B.Naygam,3 rd edition, Saaru Prabha publishers, Chennai, 2008.
27	Kaagapusundar panjapatchi sasthiram.	Mr.K.V.Subramaniyam pillai
28	Pulipaani jothidam moolamum vilakkavuraiyum.	Mr.A.Pragaspathi.
29	Secrets of the pulse	Lad, Dattatray, Vasant, Motilal Banarsidass Publishers Private limited, Delhi, 2005
30	Textbook of Pathology	Harsh Mohan, 3rd edition, Jaypee brothers Medical publishers, New Delhi, 1998
31	Hutchinson's Clinical Methods	Swash , Micheal, 19th edition, Times printers, Singapore, 1989
32	Iridology simplified	Bernard Jensen, 5th edition, Healthy living publications, Summertown, TN,

Abbreviations

Domain

S.No	Short form	Descriptions
1	CK	Cognitive/Knowledge
2	CC	Cognitive/Comprehension
3	CAP	Cognitive/Application
4	CAN	Cognitive/Analysis
5	CS	Cognitive/Synthesis
6	CE	Cognitive/Evaluation
7	PSY-SET	Psychomotor/Set
8	PSY-GUD	Psychomotor/Guided response
9	PSY-MEC	Psychomotor/Mechanism
10	PSY-ADT	Psychomotor Adaptation
11	PSY-ORG	Psychomotor/Origination
12	AFT-REC	Affective/ Receiving
13	AFT-RES	Affective/Responding
14	AFT-VAL	Affective/Valuing
15	AFT-SET	Affective/Organization
16	AFT-CHR	Affective/ characterization

T L method

S.No	Short form	Descriptions
1	L	Lecture
2	L&PPT	Lecture with Power point presentation
3	L&GD	Lecture & Group Discussion
4	L_VC	Lecture with Video clips
5	DIS	Discussions
6	BS	Brainstorming
7	IBL	Inquiry-Based Learning
8	PBL	PBL
9	CBL	CBL
10	PrBL	Project-Based Learning
11	TBL	TBL
12	TPW	Team project work
13	FC	Flipped classroom
14	BL	Blended Learning
15	EDU	Edutainment
16	ML	Mobile learning
17	ECE	ECE
18	SIM	Simulation
19	RP	Role plays
20	SDL	Self-directed learning
21	PSM	Problem solving method
22	KL	Kinesthetic Learning
23	W	Workshops
24	GBL	Game-Based Learning
25	D-M	Demo on Model

26	LS	Library Session
27	PL	Peer learning
28	RLE	Real life experience
29	REC	Recitation
30	SY	Symposium
31	TUT	Tutorial
32	PER	Presentations
33	PT	Practical
34	XRay	X ray identification
35	CD	Case diagnosis
36	LRI	Lab report interpretation
37	DA	Drug analysis
38	D	Demonstration
39	D_BED	Demonstration bedside
40	D_L	Demonstration Lab
41	DG	Demonstration Garden
42	FV	Field visit
43	ACT	Activity
44	PRA	Practical

Assessment

S.No	Short form	Descriptions
1	T-EMI	Theory extended matching item
2	T- EW	Theory Essay writing
3	T- MEQs	Theory MEQs
4	T-CRQs	Theory CRQs
5	T-CS	Theory case study
6	T-OBT	Theory open book test
7	P-VIVA	Practical Viva
8	P-REC	Practical Recitation
9	P-EXAM	Practical exam
10	PRN	Presentation
11	P-PRF	Practical Performance
12	P-SUR	Practical Survey
13	P-EN	Practical enact
14	P-RP	Practical Role play
15	P-MOD	Practical Model
16	P-POS	Practical Poster
17	P-CASE	Practical Case taking
18	P-ID	Practical identification
19	P-PS	Practical Problem solving
20	QZ	Quiz
21	PUZ	Puzzles
22	CL-PR	Class Presentation,
23	DEB	Debate
24	WP	Word puzzle
25	O-QZ	Online quiz

26	O-GAME	Online game-based assessment
27	M-MOD	Making of Model
28	M-CHT	Making of Charts
29	M-POS	Making of Posters
30	C-INT	Conducting interview
31	INT	Interactions
32	CR-RED	Critical reading papers
33	CR-W	Creativity Writing
34	C-VC	Clinical video cases,
35	SP	Simulated patients
36	PM	Patient management problems
37	CHK	Checklists
38	OSCE	OSCE
39	OSPE	OSPE,
40	Mini-CEX	Mini-CEX
41	DOPS	DOPS
42	CWS	CWS
43	RS	Rating scales
44	RK	Record keeping
45	COM	Compilations
46	Portfolios	Portfolios
47	Log book	Log book
48	TR	Trainers report
49	SA	Self-assessment
50	PA	Peer assessment
51	360D	360-degree evaluation
52	NFE	Not for exam