7. ROGNIDAN & VIKRUTIVIDNYAN

PAPER- I FUNDAMENTAL PRINCIPLES OF ROGANIDANA

1. Concept of Tridosha and its Pathological implications. 63 permutations and combination of Tridosha. Lina and Stambhita Dosha, their cause and importance in manifestation of Samprapti.

2. Concept of Rakta as a Chaturtha Dosha. Importance of Rakta in the manifestation of diseases.


4. Causative factors and practical utility of movement of Doshas from Kostha to Shakha and Shakha to Koshtha. Concept of Ashayapakarsha.

5. Trayo roga marga, their diseases and clinical importance of Roga Marga.

6. Concept and classification of Avarana, its role in pathogenesis, mode of diagnosis of Avarana and its importance in chikitsa sutra.


8. Concept and applied aspects of Doshapaka and Dhatupaka

9. Fundamental and applied aspect of Dhatu, Upadhatu and Mala. Diseases developed due to their vitiation (pradoshaja vikara).

10. Concept and applied aspects of Srotas, their importance in health and diseased conditions.

11. Concept and applied aspects of Sroto Dushti and Khavaigunya. Understanding the various srotas which are not included in classical list of srotas but enumerated while describing the samprapti of diseases.

13. Concept of Vikara vighata bhavabhava prativisesha.
16. Sama, Nirama stages of Dosha, Dhatu and Mala.
17. Understanding Samprapti of Santarpanottha and Apatarpanottha Vyadhi

19. Detailed understanding of Nidan Panchaka with their classification and clinical importance. Relation between ‘Hetu & Lakshana’ and ‘Samprapti & Lakshna’.

PAPER – II ROGA VIGYANA
Knowledge of classical Samprapti of following diseases with interpretation of Nidana Panchaka including Upadrava, Arishta and Sadhyasadhyata and Chikitsa Sutra. Knowledge of commonly occurring diseases of the respective systems mentioned in contemporary medicine and their Ayurvedic interpretation.


3. **Diseases of Udakavaha Srotas** - Trishna, Daha and knowledge of water and electrolyte imbalance disorders
4. **Diseases of Rasavaha Srotas** - jwara and Ayurvedic understanding of common clinical entities like various types of Fever- Malaria, Typhoid, viral fevers. Pandu, Amavata, Hridroga, Shotha and Ayurvedic understanding of common clinical entities like Anaemia & its Classification, Rheumatic fever, Rheumatoid Arthritis, Angina, Ischaemic Heart Disease, Hypertension, Myocardial Infarction, Congestive cardiac failure.


6. **Diseases of Mamsavaha srotas** - Introduction to Granthi, Arbuda, Galaganda and Arsha. Ayurvedic understanding of all types neoplasia and Thyroid diseases.

7. **Diseases of Medovaha srotas** - Sthoulya - Karshya – Prameha and Ayurvedic understanding of common clinical entities like Obesity and Diabetes Mellitus.


10. **Diseases of Sukravaha srotas** - Klaibya and Vandhyatva and understanding of male and female Infertility, Impotence.


12. **Diseases of Swedavaha srotas** - knowledge of khalitya, Palitya and Cosmetology.

13. **Diseases of Manovaha Srotas** - Vishada, Udvega, Bhaya, Bhrama, Anidra, Mada, Murchha, Sanyasa, Apasmara, Unmada, Atatwabhinivesha and Ayurvedic
understanding of common clinical entities like Depression, Anxiety neurosis, Phobia, Personality disorders.


15. Jara janya Vyadh: Alzheimer’s Disease

16. Concept and tools for the study of Anukta Vyadhi (Unexplained and newly emerging diseases).

17. Understanding the concept of karmaja vyadhi

PAPER – III PARIKSHA VIGYANA

1. Introduction to Clinical methods and technique for the study of clinical examination

2. Importance of medical history taking and its importance in clinical medicine.

3. Aims, Objectives and Methods, applied aspects and importance of various Rogi and Roga Pariksha as per classics.


5. Interpretation of Charakokta trividha pramana pariksha and Sushrutokta shadvidha pariksha with clinical methods mentioned in modern medicine.

6. Interpretation and use of ashtasthana nirikshana along with use of current tools as per Ayurveda.

7. Charakokta dashavidha and Sushrutokta Dwadashavidha pariksha along with the use of modern supportive tools for understanding of rogibala and roga bala concept to derive chikitsa sutra

8. Ayurvedic interpretation of all relevant findings of modern clinical examinations, various Laboratory and other Diagnostic tools.


10. Concept of Good clinical practice in Ayurveda and modern medicine.


12. Knowledge of Ancillary common laboratory investigations for diagnosis of diseases, their methods, normal and abnormal values, factors influencing values and their Ayurvedic interpretations & clinical significance as mentioned in practical syllabus.
13. Importance of Bio markers and their utility in clinical researches
14. Update knowledge of emerging diagnostic tools and technologies.
15. Knowledge of various Ayurvedic diagnostic softwares/programmes available.

**PAPER - IV VIKRITI VIGYANA AND JIVANU VIGYANA**

1. Introduction to pathology and technique for the study of pathology
2. Cell injury and cellular adaptations
3. Immunopathology including amyloidosis and its interpretation with the concept of Ojas vis-à-vis Bala
4. Concept of Shotha versus Inflammation, oedema and healing
5. Derangement of Homeostasis and Hemodynamic disorders
6. General character and classification of Neoplasia

7. Upasargajanya Vyadhi (Communicable diseases)- Romantika – Masurika – Upadamsha – Phirang and introduction to Syphilis, AIDS, Leprosy, Tuberculosis
8. Detail study of Krimi Vigyanam versus infectious and parasitic diseases along with their mode of infection and life cycle
9. Concept of Snayuka, Shleepada and introduction to Filariasis and classification of common parasites.
10. Concept and applied aspects of Janapadodhvamsa and Environmental diseases
11. Nutritional disorders
12. Concept of genetic diseases and its interpretation in terms of Bija dosha
13. Knowledge of common Bacteria, Virus, Parasites, Fungi and their classification with their disease processes, Nutrition requirements, media and methods for culture and sensitivity

**PRACTICAL DEMONSTRATION AND HANDS ON EXPERIENCE**

1. Regular posting in Roga Nidana O.P.D.
2. Regular posting in Roga nidana I.P.D.
3. Regular posting in Laboratories
4. Regular posting in other departmental units and Educational Tour to update current medical knowledge
5. Laboratory record – maintenance of observation diary and laboratory record book.
6. Experience in conducting following laboratory investigations for diagnosis of diseases and their methods
   a) Hematological, Biochemical and Serological measures, Peripheral Blood film examination.
   b) Screening test for bleeding disorders-Platelet Count, bleeding time (BT), Clotting time, (CT), Prothrombin time (PT). Blood grouping - ABO system, Rh typing (Rhesus system)
7. Rapid diagnostic techniques.
8. Urine Examination
9. Ayurveda anusara mutra pariksha
10. Physical Examination, Chemical Examination, and Microscopic Examination, Dipstix examination
12. Sputum Examination Ayurveda pariksha anusara sthivana. Physical, Chemical and Microscopic Examination of the sputum.
14. Biochemical tests related to various organ panels- Liver, Kidney, Heart, Thyroid, Pituitary and Bones.
15. Knowledge of different staining techniques in microbiology.
17. Physical, chemical, microscopic, biochemical and bacteriological tests for various kinds of body aspirates
18. Knowledge of histopathological techniques.
BEDSIDE PRACTICAL /CLINICAL METHODS

1. Expertise in clinical methods (General and Systemic Examination).
2. Practical knowledge of examination of Roga based on Pancha Nidan.
3. Practical knowledge of instruments used for clinical examination.
4. Practical records of clinical examination of at least 30 long cases in I.P.D.
5. Practical records of clinical examination of at least 50 short cases.
6. Practical knowledge of ECG, USG and Imaging techniques and their clinical interpretation
7. Understanding of various Ayurvedic diagnostic softwares/programmes available like Ayu soft, Rudra,Ayut Nidana etc.

PATTERN OF EXAMINATION

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<thead>
<tr>
<th>Name of Paper</th>
<th>Hours of training</th>
<th>Marks</th>
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<tbody>
<tr>
<td>Paper I</td>
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<tr>
<td>Paper II</td>
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<tr>
<td>Paper IV</td>
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Practicals:

- Hospital/Laboratory duties at least 4 Hours per day: Total 200:
- Observation Diary: 10
- Laboratory record: 10
- Short Case (including Case Record): 20
- Long Case (including Case Record): 30
- Laboratory Work: 40
- Thesis Presentation: 40
- Viva Voce: 50

REFERENCE BOOKS

1. Charaka Samhita with Various Commentaries
2. Madhava Nidana with various commentaries
3. Abhinava Vikriti Vigyana-Acharya Raghuvir Prasad Dwivedi
4. Doshakaranatwa Mimamsa - Acharya P.V. Sharma
5. Nadi Darshan - Vd. Tara Shankar Mishra
6. Nadi Vigyanam - Vidyotini Hindi Tika
7. Nadi Vigyan - Shri Satya Dev Vashisht
8. Nadi Vigyan - Gangadhar Tika
9. Nadi pariksha - Vaidya VB Athavale
10. Nadi Pariksha - GP Upadhyay
11. Rogi Pariksha vidhi - Acharya PriyavrataSharma
12. Roga Vigyan - Dr.Vinay Kumar
13. Siddanta Nidan - Gananatha Sen
15. Ayurvediya Nidan Evum Chikitsa Ke Siddhanta - Prof. Ram Harsh Singh
16. Relevant portions of Charak Samhita,Sushrut Samhita and Vagbhata
17. Clinical methods in Ayurveda - K. R. S. Murthy
18. Parameswarappa’s Ayurvediya Vikriti Vigyan - Dr. P.S. Byadgi.and Roga
19. Nidan Panchaka - Prof SC Dhyani
20. Samprapti lakshana yoh sambhandah - K.Sadashiva Sharma
21. Clinical Diagnosis in Ayurveda in Nidana and Vikriti Vigyana
22. Oxford Handbook of Clinical Examination Practical Skills - Oxford Handbooks and
23. Symptoms & Signs in Clinical Medicine - Chamberlains
24. Clinical Methods - Hutchinson’s
25. Bedside Clinics in Medicine Part- I & II - Kundu
26. Practical Pathology - Dr. K. Uma Chaturvedi
27. Medical Laboratory Technology - R. Sood
28. Clinical Diagnosis and Management by Laboratory methods
29. Robbins Basic Pathology - Kumar, Abbas, Fausto at
31. Text Book of Pathology - Harsh Mohan
32. Text Book of Pathology - Dey and Dey
33. Text Book of Parasitology - Ramnik Sood
34. Clinical Pathology and Bacteriology - S.P. Gupta
35. A Text Book of Microbiology - Ananthanarayana, Panikar