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**DETAILED SYLLABUS FOR THE POST OF ASSISTANT  
PROFESSOR IN ROGANIDAN**

**AYURVEDA MEDICAL EDUCATION**

(Cat. No. 113/2021)

**Module -1- Knowledge of fundamental concepts of Roganidana**

**(15 marks)**

- 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.
- Concept of Rakta as a Chaturtha Dosha. Importance of Rakta in the manifestation of diseases
- Concept of Ashrayashrayi bhava and its applied utility.
- Different types of Dosha Gati.
- Trayo roga marga, their diseases and clinical importance of Roga Marga.
- Concept and classification of Avarana, its role in pathogenesis, mode of diagnosis of Avarana and its importance in chikitsa sutra.
- Concept and applied aspects of Doshapaka and Dhatupaka
- Fundamental and applied aspect of Dhatu, Upadhatu and Mala. Diseases developed due to their vitiation (pradoshaja vikara).
- Concept and applied aspects of Srotas, their importance in health and diseased conditions. Concept and applied aspects of Sroto Dushti and Khavaigunya.
- Concept of Vikara vighata bhavabhava prativishesha.
- Concept of Agni and its role in manifestation of health and disease.
- Concept and pathogenesis of Ama. Contemporary interpretation of Ama and its role in pathogenesis.
- Sama, Nirama stages of Dosha, Dhatu and Mala.
- Understanding Samprapti of Santarpanottha and Apatarpanottha Vyadhi

- Detailed classification of diseases as described in Ayurveda.
- Concept and tools for the study of Anukta Vyadhi (Unexplained and newly emerging diseases).
- Understanding the concept of Karmaja vyadhi
- Indriya Pradoshaja Vikara.

### **Module -2 – Nidana panchaka**

(5 marks)

- Detailed understanding of Nidana Panchaka with their classification and clinical importance.
- Relation between 'Hetu & Lakshana' and 'Samprapti & Lakshna'.
- Explanation and applied aspects of Kriyakala and its utility in diagnosis and treatment.
- Importance of Upadrava, Arishta and Sadhyasadhyata and Udarka.
- Concept of Vyadhisankara in Ayurveda

### **Module -3- Diseases of Prana vaha, medovaha and Manovaha srothas**

(10 marks)

- Diseases of Pranavaha srotas- Kasa - Shwasa - Hikka – Urahkshata – Shosha – Rajayakshma and Ayurvedic understanding of common clinical entities like Pneumonia, Pleural effusion, Bronchitis, Bronchiectasis, Pulmonary Tuberculosis, Bronchial Asthma.
- Diseases of Medovaha srotas- Sthoulya - Karshya – Prameha and Ayurvedic understanding of common clinical entities like Obesity and Diabetes Mellitus.
- 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.

### **Module -4 Diseases of Anna vaha, mamsavaha and swedavaha srothas**

(10 marks)

- Diseases of Annavaha- Pureeshavaha Srotas- Agnimandya - Ajirna - Aruchi- Chhardi, Amlapitta- Shoola, Grahani –Gulma- Udara Roga –Vibandha, Atisara – Pravahika along with various clinical presentations. Ayurvedic understanding of common clinical entities like Peptic Ulcer, Irritable Bowel Syndrome, Diarrhoea, Dysentery, Constipation, ulcerative colitis.
- Diseases of Mamsavaha srotas- Introduction to Granthi, Arbuda, Galaganda and Arsha. Ayurvedic understanding of all types neoplasia and Thyroid diseases.
- Diseases of Swedavaha srotas-knowledge of khalitya, Palitya and Cosmetology.
- Jara janya Vyadhi: Alzheimer's Disease

#### **Module -5 Diseases of Rasa vaha, Rakthavaha and sukravaha srothas**

(10 marks)

- 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.
- Diseases of Raktavaha Srotas- Kamala - Raktapitta - Vatarakta – Kroshtukaseersha - Shitapitta – Maha Kushta – Visarpa – Shwitra and Kshudra Kushta and Ayurvedic understanding of common clinical entities like Jaundice, Hepatitis, Bleeding disorders, Gout, Thrombo Angitis Obliterans (TAO), Deep Vein Thrombosis (DVT), Leukaemia, Thalessemia, Sickle cell Anaemia. Introduction to Urticaria, Psoriasis, Eczema, Pemphigus, Herpes.
- Diseases of Sukravaha srotas- Klaibya and Vandhyatva and understanding of male and female Infertility, Impotence.

#### **Module -6 Diseases of Udaka vaha, Asthivaha-majjaavaha and mutravaha srothas**

(10 marks)

- Diseases of Asthi - Majjavaha srotas- Sandhigatavata, Introduction to Asthi-majjaparipaka, Asthigata Vidradhi and Ayurvedic understanding of common clinical entities like Osteo- Arthritis, Osteomyelitis, Osteoporosis.
- Vatavyadhi-Akshepaka - Apatanaka - Ardita - Pakshaghata – Gridhrasi – Viswachi, Avabahuka, Manyasthambha – Katigraha-Pangutwa- Khanja-Khalwee and Ayurvedic understanding of common clinical entities like Hemiplagia, Parkinson's disease, Lumbago-Sciatica syndrome, Bell's Palsy, Ankylosing Spondylitis, MND and other commonly occurring neurological diseases.
- Diseases of Mutravaha srotas -Mutrakrichha – Mutraghata, Ashmari and Ayurvedic understanding of common clinical entities like Urinary Tract Infection, Urolithiasis, Nephropathies and Renal failure.
- Diseases of Udakavaha Srotas- Trishna, Daha and knowledge of water and electrolyte imbalance disorders

### **Module -7- Clinical examinations of different systems and investigations**

**(10marks)**

- Introduction to Clinical methods and technique for the study of clinical examination
- General & Systemic examination of patient.
- Understanding of diagnostic procedures in medical emergencies.
- Concept of Good clinical practice in Ayurveda and modern medicine.
- 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.
- Importance of Bio markers and their utility in clinical researches
- Update knowledge of emerging diagnostic tools and technologies.
- Radio- Imaging Techniques, Sonological Techniques, ECG, EEG etc and their clinical interpretation.

### **Module -8- Ayurveda pareeksha**

**(10 marks)**

- Aims, Objectives and Methods, applied aspects and importance of various Rogi and Roga

Pariksha as per classics.

- Interpretation of Charakokta trividha pramana pariksha and Sushrutokta Shadvidha pariksha
- Interpretation and use of Ashtasthana nirikshana along with use of current tools as per Ayurveda.
- Charakokta Dashavidha and Sushrutokta Dwadashavidha pariksha

**Module -9 – Basic pathology and system pathology**

**(10 marks)**

- Introduction to pathology and technique for the study of pathology
- Cell injury and cellular adaptations
- Immunopathology including amyloidosis and its interpretation
- Inflammation, Edema and healing
- Derangement of Homeostasis and Hemodynamic disorders
- General character and classification of Neoplasia
- Environmental diseases
- Nutritional disorders
- Concept of genetic diseases and its interpretation

**Module -10- Microbiology and krimi vigyana**

**(10 marks)**

- Upasargjanya Vyadhi (Communicable diseases)- Romantika – Masurika – Upadamsha – Phiranga
- Introduction to Syphilis, AIDS, Leprosy, Tuberculosis
- Detail study of Krimi Vigyanam versus infectious and parasitic diseases along with their mode of infection and life cycle
- Concept of Snayuka, Shleepada
- Introduction to Filariasis and classification of common parasites.
- Knowledge of common Bacteria, Virus, Parasites, Fungi and their classification with their disease processes
- Media and methods for culture and sensitivity

***NOTE: - It may be noted that apart from the topics detailed above, questions from other topics prescribed for the educational qualification of the post may also appear in the question paper. There is no undertaking that all the topics above may be covered in the question paper***