



मध्यप्रदेश लोक सेवा आयोग **विशेषज्ञ आयुर्वेद परीक्षा-2015**

-::परीक्षा योजना::-

चयन विधि :- अंतिम चयनफल लिखित परीक्षा तथा साक्षात्कार में कुल प्राप्त अंकों के गुणानुक्रम के आधार पर घोषित किया जायेगा।

अंक योजना:- लिखित परीक्षा हेतु कुल 200 अंक तथा साक्षात्कार हेतु कुल 25 अंक निर्धारित है :-

प्रश्न पत्र योजना :-

- (1) सिर्फ एक प्रश्न पत्र वस्तुनिष्ठ (बहुविकल्प) प्रकार का होगा। प्रश्नपत्र में 2-2 अंक के कुल 100 प्रश्न होंगे। परीक्षा ONLINE पद्धति से आयोजित की जावेगी। प्रत्येक प्रश्न के 4 वैकल्पिक उत्तर (A, B, C, D) होंगे। प्रश्न क्रमांक के समक्ष स्थित चार विकल्प उत्तरों में से केवल एक ही विकल्प उत्तर को अंकित करना है। उक्त परीक्षा में Negative Marking नहीं होगी।
- (2) प्रश्नपत्र की अवधि 02 घण्टे की होगी। आयुर्वेद चिकित्सा का प्रश्नपत्र सामान्य रूप से हिन्दी भाषा में होगा। परन्तु आवश्यकतानुसार तकनीकी शब्द अंग्रेजी भाषा में ब्रेकेट में दिये जायेंगे।

उत्तीर्णांक :-

लिखित परीक्षा में उत्तीर्ण होने हेतु आवेदक को लिखित परीक्षा में 40 % अंक प्राप्त करना अनिवार्य होगा। मध्यप्रदेश के मूल निवासी तथा मध्यप्रदेश हेतु अधिसूचित अनुसूचित जाति, अनुसूचित जनजाति तथा अन्य पिछड़ा वर्ग एवं निःशक्त श्रेणी के आवेदकों को लिखित परीक्षा में उत्तीर्ण होने हेतु 10 प्रतिशत अंकों की छूट दी जायेगी इस प्रकार उक्त श्रेणी के आवेदकों को लिखित परीक्षा में उत्तीर्ण होने हेतु न्यूनतम 30 प्रतिशत अंक प्राप्त करना अनिवार्य होगा। लिखित परीक्षा में प्राप्त अंकों के आधार पर गुणानुक्रम में विभिन्न प्रवर्गों से भरी जाने वाली कुल रिक्तियों की संख्या के तीन गुना तथा समान अंक प्राप्त करने वाले आवेदक साक्षात्कार हेतु आमंत्रित किये जायेंगे। साक्षात्कार हेतु कोई न्यूनतम उत्तीर्णांक निर्धारित नहीं है।

परीक्षा नियंत्रक

विशेष आयुर्वेद परीक्षा - 2016

क्रियाशरीर
KRIYA SHARIR

(PHYSIOLOGY)

Details knowledge of Vata Dosha.

Respiratory Physiology in Ayurveda, Physiology of speech in Ayurveda.

Details knowledge of Pitta Dosha.

Similarities and differences between Agni and Pitta.

Details knowledge of Kapha Dosha.

Etiological factors responsible for Dosha Vriddhi, Dosha Kshaya and their manifestations.
Concept of Kriyakala.

Prakriti: Deha- Prakriti: Vyutpatti, Nirukti, various definitions and synonyms for the term Prakriti'. Intra-uterine and extra-uterine factors influencing Deha-Prakriti, classification and characteristic features of each kind of Deha-Prakriti.

Manasa- Prakriti: Introduction and types of Manasa- Prakriti.

Ahara: Definition, classification and significance of Ahara, Ahara-vidhi-vidhana, Ashta Aharavidhi Viseshayatana, Ahara Parinamkar Bhava.Aharapaka (Process of digestion): Description of Annavaha Srotas and their Mula. Role of Grahani & Pittadhara Kala.

Description of Avasthapaka (Madhura, Amla and Katu). Description of Nishthapaka (Vipaka) and its classification. Separation of Sara and Kitta. Absorption of Sara. Genesis of Vata-Pitta-Kapha during Aharapaka process. Definition of the term Koshtha. Classification of Koshtha and the characteristics of each type of Koshtha.

Agni - Definition and importance, synonyms, classification, location, properties and functions of Agni and functions of Jatharagni, Bhutagni, and Dhatvagni.

Definition and mechanisms of maintenance of homeostasis. Cell physiology. Membrane physiology. Transportation of various substances across cell membrane. Resting membrane potential and action potential.

Physiology of respiratory system in detail.

Physiology of Nervous System in detail.

Functional anatomy of gastro-intestinal tract, mechanism of secretion and composition of different digestive juices. Functions of salivary glands, stomach, liver, pancreas, small intestine and large intestine in the process of digestion and absorption.

Movements of the gut (deglutition, peristalsis, defecation) and their control. Enteric nervous system. Acid-base balance, water and electrolyte balance. Study of basic components of food. Digestion and metabolism of proteins, fats and carbohydrates.

Vitamins & Minerals- sources, daily requirement, functions, manifestations of hypo and hypervitaminosis.

Sapt Dhatu in details.

Concept of Ashraya-Ashrayi bhava i.e. inter-relationship among Dosha, Dhatu Mala and Srotas.

Ojas, Upadhatu, Mala in detail

Modern Physiology :-Haemopoetic system – composition, functions of blood and blood cells, Haemopoiesis (stages and development of RBC s, and WBC s and platelets), composition and functions of bone marrow, structure.

**RACHNA SHARIR
(ANATOMY)**

Shariropkramaniya Shaarira in detail

Paribhasha Shaarira in detail

Garbha Shaarira in detail

Asthi Shaarira & Sandhi Shaarir in detail

Detailed knowledge of Sira, Dhamani & Srotas.

Description of Hridaya.

Peshi vyakhya, structure, types, number and importance.

Koshtha Evam Ashaya Shaarira in detail

Kalaa: definition and types.

Marma: definition, number, location, classification, clinical importance with viddha lakshana. Explanation of trimarmas. Detail description of marmas.

Details knowledge of Embryology.

Osteology:Bone: Definition, ossification, structure and types. Description of bones with clinical anatomy.

Arthrology:Joints: Definition, structure types and movements. Description of joints of extremities, vertebral joints and temporomandibular, joint with their clinical anatomy.

Cardiovascular system, Lymphatic system. Respiratory System, Digestive system, Urinary System, . Reproductive system, Endocrinology, Nervous System, Sensory organs in detail.

Myology

a) Structure and types of muscles.

b) Description of muscles; their origin, insertion, actions, nerve supply and clinical anatomy.

AGADTANTRA, VYAVAHAR-AYURVED EVUM VIDHIVAIIDYAK
(TOXICOLOGY, FORENSIC MEDICINE AND MEDICAL JURISPRUDENCE)

Detailed knowledge of visha & its chikitsa

Defination of toxicology & details knowledge of poisons

Detailed knowledge of Visha and Upavisha.

Poisoning due to Acids, Alkalis, metals, Non-metals, Asphyxiants and others, their Fatal Dose, Fatal period, Manifestation, management, medico legal importance and postmortem appearance of poisoning.

Madya and Madatyaya. Alcohol poisoning (Ethanol and Methanol).

Introduction to Narcotic drugs and Psychotropic substances Act 1985.

Definition of Vyavahara Ayurveda (Forensic medicine) and Vidhivaidyaka (Medical jurisprudence), concise history of Vyavahara Ayurveda (Forensic medicine) and Vidhivaidyaka (Medical jurisprudence). Introduction to Indian Penal Code, Indian Evidence Act and Criminal Procedure Code.

Legal Procedures:- Inquest, Evidence, Witness, Courts and their powers.

Personal identity and its Medico legal aspects, forensic odontology, Introduction to Forensic Serology and DNA profiling.

injuries and death due to different causes and its Medico Legal Aspects in detail.

Medico Legal importance of Pregnancy, Delivery; Impotence & Sterility, Abortion, Infanticide, battered baby. Virginity, Artificial Insemination, Legitimacy.

Sexual offences, and their Medico Legal aspects. Sexual perversions.

Introduction to Forensic psychiatry & forensic laboratory.

Ethics as in classical Texts and Laws in relation to Medical practitioners: Indian Medicine Central Council Act.

Physician's responsibility in criminal matters, Professional negligence, Civil negligence, Criminal negligence, Medico Legal aspects of Acquired Immune Deficiency Syndrome, Rights of an unborn child, Medical Termination of Pregnancy Act Transplantation of human organs Bill 1994, Pre Natal Diagnostic Testing Act, Malingering of feigned diseases, International Code of Medical Ethics for Doctors. Clinical establishment Act. Consumer Protection Act 1986.

DRAVYAGUNA VIJNAN

(PHARMACOLOGY & MATERIA MEDICA)

Dravyaguna Shastra Paribhasa, Details of Sapta Padartha of Dravyaguna Vijnana viz Dravya- Rasa-Guna- Virya- Vipaka- Prabhava and Karma.

Karma: Lakshana, swaropa and bheda of karma (Definition, nature and types of action).

Explanation of the diferent Karmas of dravyas

Introduction, Definition & scope of Pharmacology and Principles of general Pharmacology. Brief Knowledge about different pharmacological actions of plants.

Detailed Knowledge of Following Dravya -

Agaru	Guggulu	Pashanabheda
Agnimantha	Haridradvaya	Patala
Agnimantha	Haritaki	Pippali-Pippalimula
Ahiphena	Hingu	Prishniparni
Amalaki	Jambu	Punarnava
Apamarga	Jatamansi	Pushkarmoola
Aragvadha	Jatiphal	Rasna
Aragvadha	Jeerakadvaya	Rasona
Ardraka-Sunti	Jyotishmati	Rohitaka
Arjuna	Kalamegha	Saireyaka
Arjuna	Kampillaka	Sarivadvaya
Arkadvaya	Kanchanara	Sarpagandha
Ashvagandha	Kantakari	Shalaparni
Asoka	Kapikacchu	Shallaki
Ativisha	Karkatakshringi	Shalmali
Bakuchi	Karpura	Shankhapushpi
Baladvayam.	Katuki	Shatavari
Bhallataka	Khadira	Shigru
Bharangi	Kiratatikta	Shirisha
Bhrungaraj	Kumari	Shyonaka
Bibhitaka	Kumkum Kesara	Talisa Patra
Bijak/ Vijaysar	Kupilu	Tila
Bilva	Kushta	Trivrut
Brahmi	Kutaja	Tulasi
Bruhati	Lavanga	Tvak
Chandanadvaya,	Lodhra	Ushira
Chitraka	Madanaphala	Vacha
Dadima	Mandukaparni.	Varahi
Devadaru	Manjishtha	Varahi
Dhataki	Maricha	Varuna
Durva	Musta	Vasa
Eladvayam	Nagakeshara	Vatsanabha
Eranda	Nimba	Vidanga
Gambhari	Nirgundi	Vidari
Gokshura	Palasha	Yastimadhu
Guduchi	Parpata	Yavani

Agastya	Jati	Palandu
Ajamoda	Jayapala	Parasika Yavani
Akarkarabh	Jeevanti	Parijata
Amlavetasa	Kadali,	Parisha
Amra	Kadamba	Parnabija
Amragandhiharidra	Kaidarya	Parnayavani
Ankola	Kakamachi	Parpataka
Aparajita	Kamala	Parushaka
Ashvagol	Kankola	Patalagarudi
Ashvattha	Karanja	Patha
Asthishrunkhala	Karavellaka	Patola
Atasi	Karavira	Patranga
Avartaki	Karira	Pilu
Avartani	Karpasa	Plaksha
Babbula	Kasamarda	Prasarani
Badara	Kasha	Priyala
Bakula	Kasni	Priyangu
Bhumyamalki	Kataka	Puga
Bijapooru	Katphala	Putiha
Bola	Kebuka	Putranjivaka
Chakramarda	Kharjura	Rajika/Sarshapa
Champaka	Kitmari	Rohitaka
Chandrashura	Kokilaksha	Saptachakra
Changeri	Koshataki	Saptaparna
Chavya	Kulatha	Saral
Chirbilva	Kumuda	Sarja
Chopachini	Kusha	Shala
Danti	Kusmanda	Shara
Darbha	Lajjalu	Sharapunkha
Dattura	Langali	Shatahwa
Dhanvayasa	Latakaranja	Shati
Dhanyaka	Latakasturi	Snuhi
Draksha	Madayantika	Sringataka
Dronapushpi	Mahanimba	Svarnakshiri
Gandhaprasarini	Mandukaparni	Tagara
Garjara	Markandika	Tailaparni
Gojihva,	Masha	Talmuli
Gorakshaganja	Mashaparni	Taruni
Gunja	Matulunga	Tavakshira
hinsapa	Mayaphala	Teja Patra
Hinstra	Meshashrunji	Tuvaraka
Hribera	Methika	Udumbara
Hrutpatri	Mudgaparni	urana
Ikshu	Mulaka	Vamsha
Indravaruni	Murva	Vata
Ingudi	Nagabala	Vatada
Irimeda	Nala	Vrudhadaru
Ishvaku	Narikela	Vrukshamla
Isvari	Nili	
Japa	Padmaka	

(Drugs of Animal Origin).

- 1. Kasturi
- 2. Gorojana
- 3. Mrigasringa

Introductory Knowledge of Following Annapana Varga:

- 1. Jala Varga
- 2. Dugdha Varga
- 3. Madhu Varga
- 4. Taila Varga
- 5. Sukadhanya Varga
- 6. Shamidhanya Varga
- 7. Phala Varga
- 8. Shaka Varga
- 9. Mamsa Varga
- 10. Aharayogi

Kaumarbhritya (Ayurvedic Pediatrics)

Vayobheda (Classification of age).

Prana Pratyagamanam (Neonatal Resuscitation).

Navajata Shishu Paricharya (Neonatal Care), Parikshana (Examination of newborn), Poshana (infant feeding).

Stanyadosha (Vitiation of Breast milk).

Garbha Vridhi Vikasa Krama and Poshana (Nutrition).

Dantotpatti evum Danta Raksha Vidhi (Dentition and dental care).

Vyadhikshamatva

Prashan & Lehana.

Knowledge of National Programs related to Child Health Care.

Bala Pariksha-vidhi Evam Shishu Vedana Parigyan.

General Aushadhi Matra Nirdharana.

Specific therapeutic panchakarma procedures in children with special emphases on snehan, swedan and basti.

Prasava Kaleena Abhighata (Birth injuries).

Brief description of Sahajavyadhi (Congenital disorders) & genetic disorders).

Prasavottara Vyadhi (Neonatal disorders) & dushta Stanyapanajanya Vyadhi (Disorders due to Vitiated Milk).

Kuposhanajanya Vyadhi (Nutritional disorders) & Aupasargika Vyadhi (Infectious Diseases):

Srotas Vikara

Any Bala Vikara (Miscellaneous Pediatric Disorders)

Behavioral Disorders of Children, their management and counseling

Pran raksha vidhi (Life saving measures in children) in deferent conditions.

Balagraha: General description, classification, clinical features and management.

KAYACHIKITSA

Details of Dvividhopakrama , Shadavidhopakrama , Shodhana, Shamana chikitsa and Knowledge of Aoushadha matra, Sevan kaala and Anupana.

Knowledge of Roga-Anutpattikara , Roga Prashamana , Doshopakrama Chikitsa.

Importance of Dosha, Dushya , Bala, Kaala, Agni, Prakriti, Vaya, Sattva Satmya, Desha, Ahara and Stage of diseases in treating them and Knowledge of Pathya-Apathya of various diseases.

Chikitsa sutra and Management of vridhhi and kshaya of Dosha, Dhatu and Mala, Sthanantara Dosha, Lina Dosha, Sama-Nirama states, Avarana , Dhatu Pradoshaja diseases and Ojo Vyapat.

Details of Chikitsa Sutra and Management of Jwara and its types. Etiopathogenesis and relevent ayurvedic and Modern management of different types of Fevers.

Chikitsa sutra and Management of the diseases srotas in details.

Etiopathogenesis and management of srotas related following modern diseases- viz Hypotension, Hypertension, Anaemia, Rheumatoid arthritis, Haemolytic disorders, Hepatitis, Cirrhosis of Liver, Leukaemia, Diabetes Mellitus, Dyslipidaemia, Osteo Arthritis, Osteomyelitis, Osteoporosis, Osteopenia, Cystitis, Nephritis, Nephrotic Syndrome, BPH, Renal Failure, Bronchitis, Bronchiectasis, Emphysema , COPDs, Water & Electrolyte Imbalance, Acid peptic disorders, IBS and Ulcerative Colitis.

Principles of treatment and management of Vata Vyadhi in details and Parkinsonism. Chikitsa of Urusthambha, Gullian Barrie syndrome, Muscular Dystrophy, Myasthenia Gravis, Motor Neuron Diseases and Neuralgia.

Diseases of different Endocrine Glands- such as Thyroid, Parathyroid, Pituitary, Pancreas and Adrenal glands and their management.

Management of diseases caused by Vyadhi Kshamatwa Hinata (Immuno deficiency disorders), Auto Immune Disorders.

Description and Management of following Emergency Conditions- Acute Haemorrhage, Hypertensive Emergencies, Acute abdominal pain (Renal colic, Biliary colic, Gastritis, Pancreatitis, Peritonitis and Appendicitis), Acute Abdomen, Anuria/ Oliguria, Congestive Heart Failure, Myocardial Infarction/Angina, Shock, Syncope, Convulsions, Hyperpyrexia, Hyperglycaemia, Hypoglycaemia, Status Asthmaticus, Acute Respiratory distress Syndrome, Drowning and Electric shock.

Manovahasrotas roga and graha disorders and its managements (Etiopathogenesis and relevent ayurvedic and Modern management of Anxiety disorders, Depression, Somatoform and Mood disorders, Stress induced disorders, Psychosexual Disorders.)

Management of Vardhakyajanita vikara, Indriyapradoshaja vikara, Alzhiemer's Disease, Sleep disorders and General debility.

Principles of Management of diseases produced by Genetic, Environmental and Iatrogenic factors. Disorders due to drug and Food allergy and their management and other allergic conditions.

Chikitsa Sutra and Management of Sexually Transmitted Diseases.

Rasayana, and vajikaran in details.

Principles & Management of Nutritional deficiency disorders.

Knowledge of National Health Programmes and the relevant Ayurvedic Management of the following diseases enlisted by World Health Organisation- Malaria, Filariasis, Kala Azar, Leprosy, Tuberculosis, AIDS.

Introduction of general principles of maintenance of health and management of diseases of following systems of Medicine- Yoga, Naturopathy, Unani, Siddha, Physiotherapy and Rehabilitation.

PANCHAKARMA

Introduction to Panchakarma its importance.

Trividha Karma- Purva, Pradhana and Pashchat Karma in relation to Shodhana and their importance.

Indications of Shodhana according to Ritu.

General precautions (Pariharya Vishaya) for Panchakarma.

Specifications of Panchakarma theatre and necessary equipments.

Importance of Koshta and Agni Parikshan.

details Snehan and Swedan.

Details of Vaman, Virechan, Basti (Niruha, Anuvasan, Uttara basti) Nasya and Raktamokshan.

Basic knowledge of physiotherapy viz -static exercise, Infrared ,Short wave diathermy, Electromagnetic therapy, Wax bath therapy, Ultrasonic therapy etc.

Prasuti Tantra & Stri Roga

PRASUTI TANTRA

Stri Shariravijan (Anatomy, Physiology in details).

Garbha vigyana in detials with foetal attitude, lie, position, presentation .
Formation, Development, Function of Placenta, Umbilical cord, Amniotic fluid Foetal membranes - Abnormalities of Placenta.

Garbhini vigyana:

Lakshana and diagnosis of Pregnancy.

Garbhini vyavastha with details Ante Natal care.

Garbha Vyapada: such as garbha shosha-Upavishtaka, Nagodara, Upashushka, Leena garbha, Antarmrita garbha, Raktagulma, Bahugarbhatha.

Abortions, Rh-incompatability, gestational trophablastic neoplasias, Ectopic pregnancy, IUGR, Intrauterine foetal death, Multiple pregnancy .

Garbhini vyapad or Common ailments of Pregnancy.

High Risk Pregnancy, Emesis gravid arum, Gestational Anemia, Gestational Hypertension, Gestational Diabetes, Toxemias of Pregnancy, Jaundice, AIDS, Ante Partum Hemorrhage causes, clinical features complications and Management.

Prasava vigyana with it's physiology, machanism, monitoring & management with care and resuscitation of newborn.

Prasava vyapad and it's management.

Sutika vigyana in detials.

Emergency care in obstetrics.

STRI ROGA

Artava vyapad, yoni vyapad, vandhyatwa, manopause in details.

Stana Roga in details.

Sthanik Chikitsa used in prasuti striroga in details.

Shastra Karma procedures used in prasuti tantra & striroga.

Vyadhivinishchaya Upaya (Investigative and Diagnostic Aids) Garbhanirodhaka Upaya. Parivar Niyojana, Reproductive and Child Health Care, AIDS/HIV control Programme, MCH, PNDT Act, MTP Act, and importance of current National Programme Knowledge of important Commonly used drugs used in Prasutitantra and Streeroga. In obstetrics and Gynaecology Ethical and medicolegal issues in Streeroga and prasutitantra.

Rasashastra Evam Bhaishajyakalpana
(IATROCHEMISTRY AND AYURVEDIC PHARMACEUTICS)

Definition and etymology of Rasa, Importance of Rasaushadhi, Concept of Rasa-Rasayana.

Brief Description and Application of Technical terminologies (Paribhasha) used in ras shastra.

Concept, definition and types of Puta, Applications of Electric muffle furnace and fuel (diesel) dependent furnace. Brief introduction to thermocouple and pyrometer.

Detailed Knowledge of Parada.

Introduction of quality control, standardization and GMP of Rasaoushadhies.

Detailed knowledge of Maharasa, Uparasa, Sadharana Rasa, Dhatu, Ratna, Uparatna, Sudha varga, Sikata varga, Kshara varga, Visha and Upavisha.

Aushadhi Yoga Gyanam- ingredients, manufacturing process, and bhesajprayogvidhi of different formulations.

Introduction to pharamcovigilance and its status in India, with reference to Ayurvedic drugs.

BHAISHAJYAKALPANA

Fundamental principles of Bhaishajya Kalpana.

Bheshajprayogavidhi : Aushadha Matra, Anupana and sahapan and Aushadh sevan kaala. (Posology).

Panchavidha kashaya kalpana in detailed

Introduction and general knowledge of useful instruments/ Equipments used in pharmacy

Sneha kalpana in detailed .

Detailed knowledge of Sandhana Kalpana and its types.

Kritanna and Aushadhisiddha anna Kalpana.

Bahyopacharartha kalpana (External Applications) in detail.

Principles and precautions for preparation of formulations for following :

Netraupacharartha kalpana (Ophthalmic preparations)

Nasyopachararth Kalpana

Dhumapanarth kalpana

Mukhaprayogarth kalpana

Basti kalpana

Brief knowledge of Standardization of Ayurvedic formulations - Kashtraushadhi.

Brief introduction of Drug and Cosmetics Act 1940 and Rules 1945.

Concept of, Aushadhi Nirmanshala, with respect to Good Manufacturing Practices (GMP) in accordance to Schedule T.

ROGA NIDANA

VyadhiVigyana :

Definition, synonyms and classification of Vyadhi & Vyadhi Ghatak.
Criteria for nomenclature of Diseases in Ayurveda (Vyadhinamakarana).
Bija, Bija Bhaga and Bija Bhaga Avayava Dushti.
Basic knowledge of Hereditary, Congenital, Acquired, Multifactorial, Traumatic and Environmental disorders.
Introduction to ICD Classification of Diseases of WHO and DSM classification.
Samanyaja and NanatmajaVikara. NidanarthakaraVyadhi, Hetu Sankara, Lingasankara, Vyadhisankara, Vyadhi Awastha.
Dhatu, Updhatu, Mala and Indriya Pradoshaj Vikara.
Concept of AshtaMahagada .
Introduction to Ashta Nindita.
Definition and classification of Vyadhikshamatva.
Ojas – types of Ojo Dushti- Visrimsa- Vyapad & Kshaya & It's Diseases.

Basic Pathology:

Introduction to pathology and its sub-divisions.
Introduction to Cell Injury and Cellular adaptations.
Definition and brief description of inflammation – Healing/repair.
Definition and brief description of edema – shock – hemorrhage, Thrombosis , embolism, Ischemia and Infarction.
Types of Immunity – different types of immune responses in the body – Basic knowledge of auto immune diseases, Acquired immune deficiency disease and hypersensitivity.
Nomenclature and classification of tumors - difference between benign and malignant tumors.
Introduction to Nutritional disorders – disorders of macro and micro nutrients.
Introduction to infections.
Introduction and classification of microorganisms such as virus- bacteria-fungus.

Nidana Panchaka Vigyana :

Difference between Roga and Rogi Pariksha.
Importance of Nidan Panchaka.
Hetu - Definition, Synonyms and Classification.
Purva Rupa – Definition, Synonyms, Samanya and Vishishta Purvarupa.
Rupa - Definition, Synonyms, Samanya and Pratyatma Lakshana. Difference between Vyadhi and Lakshana.
Upashaya / Anupashaya- Definition, Types and its importance in diagnosis.
Samprapti – Definition, Synonyms and Type and Samprapti Ghataka.
Shat Kriyakaala. Relationship between Nidana Panchaka and Shat Kriyakaala.
Upadrava and Udarka.
ArishtaVigyan – Definition, Types and its importance.
Sadhyasadhyatwa – Types, their parameters and importance.
General diagnostic principles of AnuktaVyadhi (Ch. Vi. 4).

Knowledge of Roga & Rogi Pariksha Vigyana.

Basic knowledge of ECG, USG, X Ray,CT Scan,MRI.

Systematic study of Nidana Panchaka of diseases of all srotas .

Upasargajanya Vyadhi (communicable diseases) & Krimi vighyan

SHALAKYA TANTRA

NETRA ROGA VIGYAN

Shalaky Tantra ka Itihas, Netra rachana Sharir, Netra Kriya Sharir, Nidan etc. & Classification of Netra Roga - In detail.

Netra Samanya and Vishishta Chikitsa (Kriya Kalpa), Shastra Karma Chikitsa and Essential diagnostic and therapeutic modern pharmacological agents required in Netra Chikitsa - In detail.

Netra Roga (Sandhigata Roga, Vartmgata, Shuklagata, Krishngata, Sarvgata & Drishtigata roga) - Ayurvedic & Modern (detail description)

Miscellaneous Diseases:

Xerophthalmia and other malnutritional eye disorders.

Knowledge of ocular trauma and their management.

Introduction to Eye bank, Eye donation, Corneal Transplantation

Preventive Ophthalmology and Community Ophthalmology

SHIRA - KARNA- NASA- MUKHA ROGAS

Samanya Chikitsa of Shiro Roga, Karna Roga, Nasa Roga, Mukha.

Rachana & Kriya Sharir of Karna, nasa, Oral Cavity & Dental (Ayurved & Modern) - In detail.

Shiro Roga, Karna Roga, Nasa Roga, Mukha roga in detail.

National Programme for Prevention and Control of Deafness.

SHALYA TANTRA

Definition of Shalya, Shalya Tantra and its importance. Introduction to Shalya Tantra: Historical background and progress made.

Target - Fluency in textual reading and comprehension.

Preferable targets - Know recent developments and controversies.

Description of Yantra, Shastra, Anushastra: Definition, number, types, uses, Dosha, Guna, Karma. Relevant modern instruments.

Nirjantakarana / Sterilization: Methods, types and its role in surgical practice.

Sangyahan / Anaesthesia: Definition and Types.

Trividha Karma - Purva Karma, Pradhana Karma and Paschat Karma.

Ashtavidha Shastra Karma - Surgical procedures and yogya (experimental Surgery).

Marma: Nirukti, types, description and importance.

Kshara and Kshara Karma, Agnikarma: Mahatva, Upakarana, Vidhi, Akrti bheda, Yogya, Ayogya and Upadrava Chikitsa.

Raktamokshana: Mahatva, Prakara - Siravyadha, Pracchanna, Shringa, Alabu, Jaloukavacharana - Yogya, Ayogya, Procedure, Upadrava and Chikitsa.

Bandha Vidhi - Prayojana, Dravya, Indications, Contraindications, Prakara, Upadrava, Pichu, Plota, Kavalika and Vikeshika.

Pranasta Shalya and Nirharana Upaya.

Fluid, Electrolyte, Acid Base Balance and Nutrition:

Rakta Mahatwa, Raktasrava / Haemorrhage: Prakara and Lakshana.

Antibiotics, analgesics, anti-inflammatory and emergency drugs in surgical practice.

Shat Kriyakala in surgical practice.

Detailed knowledge of Vrana, Twak Vikara, Manya Vikara, Sira Vikara, Dhamani Vikara, Snayu Vikara (Modern & ayurved)

Care of AIDS - HIV and hepatitis infected patients.

Bhagna - Skeletal injuries: Prakara including pathological fracture, Samanya Lakshana, Upadrava and Chikitsa.

Diseases of bone.

Cranio-cerebral injuries.

Diseases of Spine, breast, esophagus, stomach and duodenum, small intestine, large intestine, Rectum and Anal Canal, Abdominal injuries and their management, Liver, Gallbladder, Pancreas, Spleen, Kidney and Ureters, Urinary bladder, Prostate, Urethra, Penis, Scrotum and Testis.

Detail knowledge of Gulma Roga, Shoola vyadhi, Udara Roga, Mutraghata and Mutrakrichra Vriddhi Roga, Antra Vriddhi, mutra vriddhi.

SWASTHAVRITTA

Definition of swastha & swasthya and swasthavritta. Arogya lakshana, swasthavritta prayojanam, WHO definition of health.

Dimensions of health-Physical, Mental, Social.

Concept of wellbeing- objective, subjective, standard of living, quality of life.

Detail knowldege of Trayopastambha

Roganutpadaniya, Rasayana for Swastha, Ashta nindita purusha.

Menstrual hygiene

Panchakosha Theory :-

Astanga yoga, Pranayama, Shatkarma, Bandhas and Mudras, Shad chakras, Ida-pingala, sushumna nadis. Pratyahara, Dharana, Dhyana, Samadhi, Description of Yoga in Ayurveda.

Bhumi and nivasa sthana(Land and housing) and Prakasha(lightning).

Dhwani pradooshana(Noise pollution) & radiation : Noise, Sources, effects,& control.

Details knowldege of apadravya Nirmulana (Disposal of solid waste).

Malanishkasana Vyavastha (Excreta Disposal) in detail.

Disposal of dead body – Burial, Burning, Electric cremation.

Meteorology (Ritu evam Vatavarana jnanam : Definition of weather and climate, factors influencing weather and climate.

Disaster management in detail,

Occupational health. ESI Act, Indian factories Act., Offensive Trades- Effects on health and precautionary measures .

School health services in detail.

Epidemiology of communicable & non communicable Diseases in detail

Disinfection – definition, types.

Ayurvedic concept of Vyadhikshamatva and sankramaka rogas.

Kuprasangaja vyadhi (STDs) : AIDS, Syphilis, Gonorrhoea, Chanchroid.

Prathamika swasthya samrakshana(Primary Health Care).

Definition, principle, elements, levels of health care

Structure at village, sub centre, PHC, CHC, Rural hospital levels.

Health insurance, Private agencies, Voluntary health agencies, NGOs and AYUSH sector. Role of Ayurveda in Primary Health Care.

Parivara kalyana Yojana (Family welfare Programmes)– Demography, demographic cycle, life expectancy, Family planning, methods of family planning.

Detail knowledge of Matru sishu kalyana Yojana – MCH programme.

Preventive geriatrics-Problems of elderly, prevention and control measures.

World Health Organisation-Objectives,structure and functions.

International health agencies-United Nations agencies, Health work of bilateral agencies, Alma ata declaration, national health policy.

Health statistics- Definition, Sources, uses Data collection, Classification, Presentation.
Vital statistics-Morbidity rates,Mortality rates ,Fertility rates, Health survey.

Swasthya prashasana(Health Administration) – Health administration at Central including AYUSH, state, district, village levels.

Details knowledge of National health programmes and National Nutritional Programmes .