



Government of Jammu and Kashmir
Government Medical College, Srinagar.

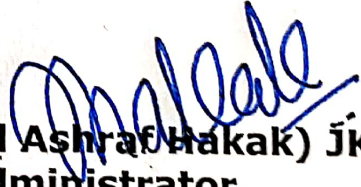


NOTICE

It is hereby notified for information of all those candidates who have applied for engagement as **Medical Officers** on academic arrangement basis under S.O 364 of 2020 dated: 27.11.2020, in response to this office advertisement notification No: 1196 AH of 2024 dated: 05.03.2024 that this Institution is going to conduct their written test(MCQ type) in June- July 2024.

The syllabus for the examination shall comprise of subjects/knowledge areas as per **Graduate Medical Education Regulations** issued by the erstwhile Medical Council of India with prior approval of the Govt. of India. An extract of the same is attached herewith as an **annexure-A.**

The candidates are advised to go through the attached syllabus and prepare accordingly for the forthcoming written test.


(Mohammad Ashraf Hakak) JKAS
Administrator,
Associated Hospitals,
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Dated: 03-06-2024.

No: AH-Est-IV/1284/2024
Copy to the:-

1. Website I/C with the directions that the notification may be uploaded on the official website of this Institution for information of concerned candidates.

ANNEXURE-A

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SYLLABUS FOR THE POST OF MEDICAL OFFICER

ANATOMY

- General Anatomy : Basic tissues to body, Terminology & Nomenclature
Elements of Anatomy : Osteology, Arthrology, Myology, Angiology, Neurology
Regional Anatomy : Upper limb, Lower limb Thorax-including diaphragm
Abdomen and Pelvis, Head, Neck Brain and Spinal cord
Embryology : Development of individual organs and systems, Postnatal
growth & development
Histology : General Histology Microanatomy of individual organs and
systems
Human Genetics : Principles of Human genetics and Molecular biology
Radiological Anatomy : Skiagrams, Special X-rays, Principles of imaging
techniques.
Surface Anatomy : In cadavers, in the living
Sectional Anatomy : Thorax, Abdomen, Head, Neck and Brain

PHYSIOLOGY

- General Physiology
Body fluids - Blood
Nerve and Muscle
Gastrointestinal Tract
Kidney
Skin and Body temperature
Endocrine Glands
Reproduction
Cardiovascular System
Respiratory System
Central Nervous Systems
Special Senses

BIOCHEMISTRY

- Cell and Sub-cellular structures
Hydrogen Ion concentration Acid, Bases, Buffers, Handerson-Haselbach equation
Isotopes and their Application
Carbohydrates
Amino Acids, Peptides and Proteins
Lipids
Nuclear Acids
Enzymes
Vitamins
Biological Oxidation
Digestion and Absorption from GI Tract

Intermediary Metabolism
Carbohydrate Metabolism
Lipid Metabolism
Protein and Amino Acid Metabolism
Purine and Pyrimidine Metabolism
Minerals
Biochemical Genetics and Protein Biosynthesis
Tissue Biochemistry
Liver Functions
Nutrition and Energy Metabolism

PATHOLOGY

Cell injury
Inflammation and Repair
Immunopathology
Infectious diseases
Circulatory disturbances
Growth disturbances and Neoplasia
Nutritional and other disorders
Genetic disorder
Haematology
Cardiovascular Pathology
Respiratory Pathology
Pathology of Kidney and urinary Tract
Hepato-Biliary Pathology
Lymphoreticular System / Spleen
Reproductive System (male & female)
Diseases of the Breast
Musculoskeletal System
Endocrine pathology
Neuropathology
Dermato-Pathology
Ocular Pathology

MICROBIOLOGY

General Microbiology
Immunology
Bacteriology
General Virology
Systemic Virology
Mycology
Parasitology
Clinical / Applied Microbiology

PHARMACOLOGY

General Pharmacology
Autonomic Nervous System
Cardio-vascular System
Diuretics
Drugs affecting blood and blood formation
Autocoids and related drugs
Respiratory System
Gastro-intestinal System
Endocrine pharmacology
Central Nervous System
Psychopharmacology
Drugs in Anaesthetic practice
Chemotherapy
Toxicology
Clinical Pharmacology and Rational drug use

FORENSIC MEDICINE

Definitions
Courts of India
Court procedures
Medical Certifications & medico-legal reports including dying declaration
Death
Changes after death
Inquest by police, magistrate and coroner
Identification
Examination of mutilated human remains
Medico-legal autopsies
Mechanical injuries and wounds
Examination of an injury case
Injuries due to physical agents & their medico legal importance
Asphyxial death
Death due to malnutrition, neglect battered babies
Dowry death
Virginity, sexual offences, sexual perversions
Legitimacy
Pregnancy and delivery
Infanticide
Biological fluids
Seminal stains
Forensic Psychiatry
Medical Jurisprudence
Toxicology

GENERAL SURGERY

Hemorrhage and shock

Fluid, electrolyte and Acid balance, nutrition

Skin tumours, burns, skin grafting

Arterial diseases

Venous diseases

Lymphatic and Lymph nodes

Wounds

Specific and non-specific injections

Tumors, Cysts, Ulcers and Sinuses and Fistulae

Infections of Hand and Foot

Diseases of muscle, tendons, bursae and fascia

Hernia

Umbilical granuloma, fistula, adenoma

Abdominal Wall

Face, Teeth, Gums, Mouth, Tongue, Salivary glands, Neck

Thyroid Glands, Thyroglossal Tract and Endocrines

Breast

Sympathetic System

Cranio-Cerebral injuries

Brain, Nerves

Genito-Urinary System

Kidneys and Ureters

Urinary Bladder

Prostrate

Urethra

Penis, Testis and Scrotum

Vasectomy and Recanalisation

Cardiothoracic System

Oesophagus, Stomach and Duodenum

Spleen, Liver, Gall Bladder and bile ducts

Pancreas

Peritoneum

Intestines, intestinal obstruction

Appendix

Rectum and Anal Canal

ANESTHESIA

Anatomy of upper airway
Physiology of Respiration O₂/CO₂ transport. Methods of oxygen therapy.
Pre-operative evaluation/pre-medication
Anaesthetic agents, stages of Anaesthesia
Principles and mechanism of administration of general anaesthetics, balanced Anaesthesia
IPPV, Endotracheal Intubations
Muscle Relaxants
Spinal/Epidural Anesthesia
Local Anesthesia
Cardiopulmonary resuscitation basic, use of simple ventilators
Monitoring
ICU, role of anaesthesiologist in ICU
Shock
Blood Transfusion and Fluid Electrolyte Balance
Sites of respiratory obstruction and management of airway in an unconscious patient
Poisoning
Role of anaesthesiologist in acute and chronic relief.

ORTHOPEDICS

Traumatology
Injuries of bones and joints
Injuries of Lower Extremity
Injuries of the Spine Vascular Injuries
Cold Orthopedics
Regional Conditions
Neuro-Muscular Disorder
Bone and Joint Tuberculosis
Physical Medicine and Rehabilitation

RADIO- DIAGNOSIS

Respiratory System
Cardiovascular System
Gastrointestinal System
Obstetrics & Gynaecology
Skeletal System
Central Nervous System
Excretory System

RADIOTHERAPY

- Principles of Radiotherapy
- Principles of Chemotherapy
- Prevention and Early diagnosis of Cancer
- Principles of Nuclear medicine
- Common radiation reactions and management
- Radiotherapy and chemotherapy in commonly seen cancers
- Radio-isotopes in diagnosis and therapy

PAEDIATRICS

- Vital statistics
- Neonatology
- Growth & Development
- Nutrition
- Infections
- Genetics
- Pediatric Emergencies
- Central Nervous System
- Gastroenterology
- Nephrology
- Endocrinology
- Respiratory System

MEDICINE

- Clinical Methods in the practice of Medicine
- Common symptoms of disease
- Nutrition/Exposure to Physical & Chemical Agents
- Infections
- Haematology
- Respiratory System
- Cardio-Vascular System
- Gastro-Intestinal Tract
- Emergency Medicine
- Neurological System
- Nephrology & Urinary system connected to Tissue Disorders
- Endocrine System
- Geriatrics

TUBERCULOSIS AND RESPIRATORY DISEASES

Diagnosis and management of common ailments affecting the chest with special emphasis on management and prevention of Tuberculosis and National Tuberculosis Control Programme.

PSYCHIATRY

History aspects and diagnosis & treatment of mental illness

Conduction of Mental Status Examination

Behavioral Sciences

Different psychoses Clinical features, diagnosis and management of :

Schizophrenia

Mania and depression

Anxiety disorders and hysteria

Dementia

Alcoholism

Drug Abuse

Psychiatric emergencies

Clinical features, diagnosis and management of psychiatric disorders of childhood and adolescence

Personality disorder

DERMATOLOGY AND SEXUALLY TRANSMITTED DISEASES

Dermatological therapy

Lichen Planus

Diseases caused by Nutritional and Environmental Factors

Infective Disorders

Melanocytes, pigment metabolism and other disorders of Pigmentation

Allergic Disorders

Dermatitis and Eczema

Vesiculobullous Diseases

Alopecia and Hirsutism

Structure and functions of Sebaceous glands and Disease

Leprosy

Psoriasis

STD

OPHTHALMOLOGY

Basic sciences - Anatomy, Physiology, Pharmacology, Pathology, Elementary

Optics, Diseases of the Eye

Conjunctiva

Cornea

Sclera

Uveal Tract

Lens

Vitreous

Glaucoma

Retina
Optic Nerve
Intra-Occular Tumors
Squint
Orbit
Lacrimal System
Lids
Refractive Errors
Injuries
Ophthalmic Surgery
Community Ophthalmology
Miscellaneous

OTORHINOLARYNGOLOGY

Diseases of the Ear
Diseases of Nose and Para Nasal sinuses
Diseases of Nasopharynx
Diseases of Trachea
Oesophagus

OBSTETRICS AND GYNECOLOGY

Anatomy of the Female reproductive Tract
Physiology of conception
Development of foetus and placenta
Diagnosis of pregnancy
Maternal changes in pregnancy
Antenatal care
Abnormal obstetrics
Normal labour
Normal puerperium
Breast Feeding
Care of new born
Medical termination of pregnancy
Family planning
Operative obstetrics
Post caesarian pregnancy
Pharmaco therapeutics in obstetrics
Safe motherhood
Maternal morbidity and morality
Medico legal aspects
RCH

Current topics
Vaginal discharge
Menstrual disorder
Fertility, infertility
Endometriosis and allied states
Genital injuries and fistulae
Genital infections
Genital prolapse
Tumours
Carcinoma
Radiotherapy in gynaecology
Chemotherapy in gynaecology
Endoscopy
Diseases of breast
Operative gynaecology

COMMUNITY MEDICINE

Evaluation of Public Health and Concepts of Health
Environment and Health
Health Education
Nutrition and Dietetics
Occupational Health
Medical Sociology and Community Mental Health
Fundamentals of Biostatistics
Basic Epidemiology
Epidemiology of Specific Diseases
Communicable and Non-Communicable Diseases
Demography
Reproductive and Child Health
School Health
Urban Health
Health System in India
Health Planning and Management including Disaster Management
International Health