

MEDICAL SCIENCE TEST SERIES SCHEDULE - 2018

TEST NO	DATE	SYLLABUS	REFERENCE BOOKS
1	25-06-18	<p>Human Anatomy:</p> <ol style="list-style-type: none"> 1. Applied anatomy including blood and nerve supply of upper and lower limbs and joints of shoulder, hip and knee. 2. Gross anatomy, blood supply and lymphatic drainage of tongue, thyroid, mammary gland, stomach, liver, prostate, gonads and uterus 3. Applied anatomy of diaphragm, perineum and inguinal region. 4. Clinical anatomy of kidney, urinary bladder, uterine tubes, vas deferens. <p>Embryology:</p> <ol style="list-style-type: none"> 1) Placenta and placental barrier 2) Development of a) heart b) Gut c) kidney d) uterus e) ovary f) testis and their common congenital abnormalities. <p>Neuroanatomy:</p> <p>Central and peripheral autonomic nervous system: Gross and clinical anatomy of ventricles of brain, circulation of cerebrospinal fluid; Neural pathways and lesions of cutaneous sensations, hearing and vision; Cranial nerves, distribution and clinical significance; Components of autonomic nervous system.</p>	<p>General Anatomy-BD Chaurasia/Gray's Anatomy</p> <p>Embryology-Inderbir Singh</p> <p>NeuroAnatomy-Vishram Singh</p>

		<p>Biochemistry:</p> <p>Organ function tests-liver, kidney, thyroid</p> <p>Protein synthesis</p> <p>Vitamins and minerals</p> <p>Tools in Biochemistry</p> <ul style="list-style-type: none"> • Restriction fragment length polymorphism (RFLP). • Polymerase chain reaction (PCR) • Radio - immunoassays (RIA) 	<p>Satyanarayana/Harpers</p>
<p>2</p>	<p>02-07-2018</p>	<p>General Surgery</p> <p>(Clinical features, causes, diagnosis and principles of management)</p> <ul style="list-style-type: none"> • Cleft lip and Cleft palate • Laryngeal tumor • Oral and Esophageal tumor • Peripheral arterial diseases • Varicose veins • Coarctation of aorta • Tumors of Thyroid • Adrenal Glands • Abscess, cancer, Fibroadenoma and adenositis of breast • Bleeding peptic ulcer • Tuberculosis of bowel 	<p>Manipal/Bailey and Love</p>

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| | <ul style="list-style-type: none">• Ulcerative colitis• Cancer stomach• Renal mass• Cancer Prostate• Hemothorax• Stones of Gall bladder• Kidney• Ureter• Urinary Bladder.• Rectum• Anus and Anal canal• Gall bladder and Bile ducts• Splenomegaly• Cholecystitis• Portal hypertension• Liver abscess• Peritonitis• Carcinoma head of pancreas.• Fractures of spine• Colles' fracture• Bone tumors.• Endoscopy• Laparoscopic Surgery. | |
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		<p>ORTHOPEDICS</p> <ul style="list-style-type: none"> • Fractures of spine • Colles' fracture • Bone tumors. 	J. Maheshwari
3	09-07-2018	<p>Obstetrics and Gynecology including Family Planning:</p> <p>Obstetrics</p> <ul style="list-style-type: none"> • Diagnosis of pregnancy • Labour management <ul style="list-style-type: none"> a) Complications of 3rd stage of labour b) Antepartum and postpartum hemorrhage c) Resuscitation of the newborn d) Management of abnormal lie and difficult labour e) Management of small for date or premature newborn. • Diagnosis and management of <ul style="list-style-type: none"> a) Anemia b) Preeclampsia and Toxemias of pregnancy c) Management of Post-menopausal Syndrome <p>Gynecology</p> <ul style="list-style-type: none"> • Cancer cervix • Leucorrhoea • Pelvic pain • Infertility • Dysfunctional uterine bleeding (DUB) 	<p>Mudaliar and Menon</p> <p>Shaw's text book of gynecology</p>

		<ul style="list-style-type: none"> • Amenorrhoea • Fibroid • Prolapse of uterus. <p>Family planning</p> <ul style="list-style-type: none"> • Intra-uterine device • OC pills • tubectomy and vasectomy • Medical termination of pregnancy including legal aspects. 	
		<p>Forensic Medicine and Toxicology:</p> <ul style="list-style-type: none"> • Forensic examination of injuries and wounds; • Examination of blood and seminal stains; • Toxicology • Asphyxia (Hanging, Drowning) • Burns • Identification-(DNA and finger print study) 	Dr.K.S.Narayan Reddy Text book of Forensic medicine and Toxicology
4	16-07-2018	<p>Pathology:</p> <ul style="list-style-type: none"> • Inflammation and repair, • Neoplasia <ul style="list-style-type: none"> a) Differentiation between benign, malignant, primary and metastatic malignancies b) Pathogenesis and histopathology of <ul style="list-style-type: none"> i) bronchogenic carcinoma ii) carcinoma breast iii) oral cancer iv) cancer cervix 	Robbin/Harsh Mohan

		<ul style="list-style-type: none"> v) leukemia • Pathogenesis and histopathology of rheumatic and ischemic heart disease • Etiology, pathogenesis and histopathology of <ul style="list-style-type: none"> a) cirrhosis liver b) glomerulonephritis c) tuberculosis d) acute osteomyelitis. 	
		<p>Pharmacology:</p> <p>Mechanism of action and side effects of the following drugs</p> <ul style="list-style-type: none"> • Antipyretics and analgesics • Antibiotics • Antimalarial drugs • Anti kala-azar • Antidiabetics • Antihypertensive • Antidiuretics • General and cardiac vasodilators • Antiviral • Antiparasitic • Antifungal • Immunosuppressant • Anticancer agents 	Good man and Gilman's/K.D Tripathi
5	23-07-2018	<p>PHYSIOLOGY</p> <p>Nerve muscle Physiology</p>	Ganong/Shambulingam

		<ul style="list-style-type: none"> • Conduction and transmission of impulse • mechanism of contraction • neuromuscular transmission • reflexes • control of equilibrium, posture and muscle tone <p>Neurophysiology</p> <ul style="list-style-type: none"> • descending pathways • functions of cerebellum • basal ganglia • Physiology of sleep and consciousness <p>Endocrine Physiology</p> <ul style="list-style-type: none"> • Mechanism of action of hormones (Formation, secretion, transport, metabolism) • Function and regulation of secretion of pancreas and pituitary gland <p>Physiology of Reproductive System</p> <ul style="list-style-type: none"> • Pregnancy, menstrual cycle, lactation. <p>Cardiovascular physiology</p> <ul style="list-style-type: none"> • Development, regulation and fate of blood cells. • cardiac output, • blood pressure, • Regulation of cardiovascular functions. 	
6	30-07-2018	Microbiology:	Microbiology-AnanthNarayana, Parasitology-Paniker

Immunology

- Humoral and cell mediated immunity

Diseases caused by and laboratory diagnosis of

BACTERIA

- Meningococcus
- Salmonella
- Shigella

VIRUS

- Herpes
- Dengue
- Polio
- HIV/AIDS

PARASITE

- Malaria
- E. Histolytica
- Giardia

FUNGI

- Candida
- Cryptococcus
- Aspergillus

7	06-08-2018	<p>General Medicine:</p> <p>Infectious diseases</p> <ul style="list-style-type: none">• Tetanus• Rabies• AIDS• Dengue• Kala-azar• Japanese Encephalitis• Tuberculosis <p>Medicine Part I</p> <ul style="list-style-type: none">• Ischemic heart disease• Pulmonary embolism• Bronchial asthma• Pleural effusion <p>Medicine Part II</p> <ul style="list-style-type: none">• Malabsorption syndromes• Acid peptic diseases• Viral hepatitis• Cirrhosis of liver <p>Medicine Part III</p> <ul style="list-style-type: none">• Glomerulonephritis• Pyelonephritis• Renal failure	<p>Harrisons principles of general medicine/Davidson</p>
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		<p>Dermatology</p> <ul style="list-style-type: none"> • Psoriasis • Allergic dermatitis 	<p>Harrisons principles of general medicine</p>

		<ul style="list-style-type: none"> • Scabies • Eczema • Vitiligo • Steven Johnson's syndrome • Lichen Planus. 	
8	13-08-2018	Pediatrics: <ul style="list-style-type: none"> • Immunization, • Baby friendly hospital • Congenital cyanotic heart disease • Respiratory distress syndrome • Bronchopneumonia • Kernicterus • IMNCI classification and management • PEM grading and management • Acute Respiratory Insufficiency • Diarrheal diseases 	OP GHAI/NELSONS Text book of pediatrics
		Community Medicine (Preventive and Social Medicine): <ul style="list-style-type: none"> • Principles, methods, approach and measurements of Epidemiology • Nutrition, nutritional diseases / disorders & Nutrition Programmes • Health information Collection, Analysis and Presentation. • Objectives, components and critical analysis of National Programmes for control/eradication of: <ul style="list-style-type: none"> a) Malaria b) Kala-azar c) Filaria d) Tuberculosis, 	Park's Text book of community medicine

		<ul style="list-style-type: none"> e) HIV/AIDS f) STDs g) Dengue • Critical appraisal of Health care delivery system. • Health management and administration: Techniques, Tools, Programme Implementation and Evaluation. • Objective, Component, Goals and Status of <ul style="list-style-type: none"> a) Reproductive and Child Health b) National Rural Health Mission c) Millennium Development Goals • Management of hospital and industrial waste. 	
9	20-08-2018	Grand Test -1	
10	27-08-2018	Grand Test -2	