CSE Mains Medical Science Syllabus

Paper - I


5. Microbiology: Humoral and cell mediated immunity Diseases caused by and laboratory diagnosis of- 1 Meningococcus, Salmonella l Shigella, Herpes, Dengue, Polio 1 HIV/AIDS, Malaria, E. Histolytica, Giardia l Candida, Cryptococcus, Aspergillus

6. Pharmacology: Mechanism of action and side effects of the following drugs 1 Antipyretics and analgesics, Antibiotics, Antimalaria; Antikala-azar, Antidiabetics 1 Antihypertensive, Antidiuretics, General and cardiac vasodilators, Antiviral, Antiparasitic, Antifungal, Immunosuppressants l Anticancer

7. Forensic Medicine and Toxicology: Forensic examination of injuries and wounds; Examination of blood and seminal stains; poisoning, sedative overdose, hanging, drowning, burns, DNA and fingerprint study.
Paper - II

1. **General Medicine**: Etiology, clinical features, diagnosis and principles of management (including prevention) of: Tetanus, Rabies, AIDS, Dengue, Kala-azar, Japanese Encephalitis. Etiology, clinical features, diagnosis and principles of management of: Ischaemic heart disease, pulmonary embolism, Bronchial asthma. Pleural effusion, tuberculosis, Malabsorption syndromes, acid peptic diseases, Viral hepatitis and cirrhosis of liver. Glomerulonephritis and pyelonephritis, renal failure, nephrotic syndrome, renovascular hypertension, complications of diabetes mellitus, coagulation disorders, leukemia, Hypo and hyper thyroidism, meningitis and encephalitis. Imaging in medical problems, ultrasound, echocardiogram, CT scan, MRI. Anxiety and Depressive Psychosis and schizophrenia and ECT.

2. **Pediatrics**: Immunization, Baby friendly hospital, congenital cyanotic heart disease, respiratory distress syndrome, broncho - pneumonias, kernicterus. IMNCI classification and management, PEM grading and management. ARI and Diarrhea of under five and their management.


