

TNMRB Assistant Surgeon Syllabus for Human Anatomy

- Applied anatomy including blood and nerve supply of upper and lower limbs and joints of shoulder, hip and knee.
- Gross anatomy.
- Blood supply and lymphatic drainage of tongue.
- Thyroid.
- Mammary gland.
- Stomach.
- Liver.
- Prostate.
- Gonads and Uterus.
- Applied anatomy of diaphragm, perineum and inguinal region.
- Clinical anatomy of kidney.
- Urinary bladder.
- Uterine tubes.
- Vas deferens.
- Embryology:
 - Placenta and placental barrier.
 - Development of heart, gut, kidney, uterus, ovary, testis and their common congenital abnormalities.
- 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.

TNMSRB Assistant Surgeon Exam Syllabus for Human Physiology

- Conduction and transmission of impulse.
- Mechanism of contraction.
- Neuromuscular transmission.
- Reflexes.

- Control of equilibrium.
- Posture and muscle tone.
- Descending pathways.
- Functions of cerebellum.
- Basal ganglia.
- Physiology of sleep and consciousness.
- Endocrine system.
- Physiology of Reproductive System.
- Blood.

TN MRB Assistant Surgeon Syllabus for Biochemistry

- Organ function tests-liver.
- kidney.
- Thyroid Protein synthesis.
- Vitamins and minerals.
- Restriction fragment length polymorphism (RFLP).
- Polymerase chain reaction (PCR).
- Radio - immunoassays (RIA).

Tamil Nadu MRB Asst Surgeon Exam Syllabus for Pathology

- Inflammation and repair.
- Disturbances of growth and cancer.
- Differentiation between
 - Benign.
 - Malignant.
 - Primary and Metastatic Malignancies.
 - Pathogenesis and histopathology of bronchogenic carcinoma.
 - Carcinoma breast.
 - Oral cancer.
 - Cancer Cervix.
 - Leukemia.
 - Etiology.
- Pathogenesis and histopathology cirrhosis
 - Liver.
 - Glomerulonephritis.
 - Tuberculosis.
 - Acute Osteomyelitis.

TN MRB Assistant Surgeon Syllabus for Microbiology

Humoral and cell mediated immunity Diseases caused by and laboratory

diagnosis of l Meningococcus, Salmonella l Shigella, Herpes, Dengue, Polio l HIV/AIDS, Malaria, E. Histolytica, Giardia l Candida, Cryptococcus, Aspergillus

TN MRB Exam Syllabus for Pharmacology

- Mechanism of action and side effects of the following drugs
 - Antipyretics and analgesics.'
 - Antibiotics.
 - Antimalaria.
 - Antikala-azar.
 - Antidiabetics.
 - Antihypertensive.
 - Antidiuretics.
 - General and cardiac vasodilators.
 - Antiviral.
 - Antiparasitic.
 - Antifungal.
 - Immunosuppressants.
 - Anticancer.

TNM RB Assistant Surgeon Syllabus for Forensic Medicine and Toxicology

- Forensic examination of injuries and wounds.
- Examination of blood and seminal stains:
 - Poisoning.
 - Sedative overdose.
 - Hanging.
 - Drowning.
 - Burns.
 - DNA.
 - Finger print study.

TNM RB Asst Surgeon Exam Syllabus for 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.

Tamil Nadu MRB Assistant Surgeon Pediatrics Syllabus

- 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.

TNMRB Exam Syllabus of Assistant Surgeon Dermatology

- Psoriasis.
- Allergic dermatitis.
- Scabies.
- Eczema.
- Vitiligo.
- Stevan Johnson's Syndrome.
- Lichen Planus.

TNMRB Asst Surgeon Syllabus for General Surgery

- Clinical features.
- Causes.
- Diagnosis and principles of management of cleft palate.

- Harelip.
- Laryngeal tumor, oral and esophageal tumors.
- Peripheral arterial diseases, varicose veins.
- Coarctation of aorta Tumors of Thyroid.
- Adrenal Glands Abscess, cancer, fibroadenoma and adenosis of breast.
- Bleeding peptic ulcer.
- Tuberculosis of bowel.
- Ulcerative colitis.
- Cancer stomach.
- Renal mass,
- Cancer Prostate.
- Haemothorax.
- Stones of Gall bladder.
- Kidney.
- Ureter and Urinary Bladder.
- Management of surgical conditions of 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 and bone tumors.
- Endoscopy Laparoscopic Surgery.

Tamil Nadu Obstetrics and Gynaecology including Family Planning

- Diagnosis of pregnancy.
- Labour management, complications of 3rd stage.
- Antepartum and postpartum hemorrhage.
- Resuscitation of the newborn.
- Management of abnormal lie and difficult labour.
- Management of small for date or premature newborn.
- Diagnosis and management of anemia.
- Preeclampsia and Toxaemias of pregnancy.

TNMRB Assistant Surgeon Exam Syllabus for Community Medicine (Preventive and Social Medicine)

- 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:
 - Malaria.
 - Kala-azar.
 - Filaria and Tuberculosis.
 - HIV/AIDS.
 - STDs and Dengue Critical appraisal of Health care delivery system.
- Health management and administration:
 - Techniques.
 - Tools.
 - Programme Implementation and Evaluation.
 - Objective.
 - Component.
 - Goals and Status of Reproductive and Child Health.
 - National Rural Health Mission and Millennium Development Goals Management of hospital and industrial waste.