

Detailed TN MRB Asst Surgeon Exam Pattern 2018

Exam Type	Subjects	Questions	Marks	Time Duration
Objective type	Medical Sciences	200	100	2hrs30mins
	Total	200	100	

7. SCHEME OF EXAMINATION (OBJECTIVE TYPE):

Subject	Duration	Maximum Marks	Minimum Qualifying marks (%)	
			SC/SCA/ST	Others
Written examination in Optical Mark Reader (OMR) – sheet; Objective type single paper Exam for Assistant Surgeon (General)	2:30 Hours	100	30	35

Tamil Nadu MRB Asst Surgeon Syllabus 2018

Medical Science Syllabus:

- Microbiology.
- Pathology.
- Dermatology.
- Community Medicine.
- Human Physiology
- Pediatrics.
- Forensic Medicine and Toxicology.
- Pharmacology.
- Medicine.
- Anesthesiology.
- Pediatrics.
- General Surgery.
- Human Anatomy.
- Biochemistry.
- General Medicine.
- Obstetrics and Gynaecology including Family Planning
- Anatomy.
- Physiology.
- Radio Diagnosis.
- Skin & VD.
- Surgery.
- Ophthalmology.
- Psychiatry
- F.M.T.

- Orthopedics.

Human Physiology:

- Functions of cerebellum
- Neuromuscular transmission
- Descending pathways
- Basal ganglia
- Reflexes
- Blood: Development, regulation, and the fate of blood cells.
- Conduction and transmission of impulse mechanism of contraction
- Physiology of sleep and consciousness.
- Cardio-vascular, cardiac output, regulation of cardiovascular functions
- Physiology of reproductive system: menstrual cycle, lactation, pregnancy.

Biochemistry

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

Pathology

- Differentiation between benign, malignant, primary and metastatic malignancies
- Inflammation and repair, disturbances of growth and cancer
- Histopathology of rheumatic and ischemic heart disease.
- Oral cancer, cancer cervix, leukemia, Etiology.
- Glomerulonephritis, tuberculosis, acute osteomyelitis.

Microbiology

- Shigella, Herpes, Dengue, Polio
- HIV/AIDS, Malaria, E. histolytica, Giardia
- Humoral and cell-mediated immunity
- Meningococcus, Salmonella
- Candida, Cryptococcus, Aspergillus
- Diseases caused by and laboratory diagnosis

Pharmacology

- Anticancer
- Antihypertensive, Antiviral, Antiparasitic, Antifungal, Immunosuppressants
- Antipyretics and analgesics, Antibiotics, Antimalaria; Antikala-Azar, Antidiabetics

Forensic Medicine and Toxicology Syllabus

- Hanging, drowning, burns, DNA Study.

- Forensic Examination of injuries and wounds
- Poisoning, sedative overdose
- Examination of blood and seminal stains

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