

TAMIL NADU PUBLIC SERVICE COMMISSION

SYLLABUS

CODE NO. 152

MEDICAL SPECIALITY SUBJECTS

GENERAL SURGERY (P.G. Degree Standard)

UNIT 1	Basic Surgical principles
UNIT 2	General Surgery
UNIT 3	Trauma
UNIT 4	Gastro Intestinal system
UNIT 5	Head & Neck surgery
UNIT 6	Vascular surgery
UNIT 7	Genito Urinary system
UNIT 8	Minimal access surgery
UNIT 9	Principles of Oncology
UNIT 10	Endocrine System

UNIT 1 Basic Surgical principles

- 1. Pre-Post-Operative Management**
- 2. Principles of Anesthesia**
- 3. Surgical sepsis and its prevention.**
- 4. Surgical Operation Room Equipment**
- 5. Surgical instruments, History of Surgery**
- 6. Principles of Coagulation and Haemostasis**
- 7. Biochemical principles**
- 8. Surgical Nutrition**
- 9. Multi system failure**
- 10. Transplantation principles**

UNIT 2 General Surgeries

- 1. Surgical investigations principles.**
- 2. Principles of asepsis and antisepsis.**
- 3. Wound Management**
- 4. Blood transfusion**
- 5. Minimal access surgery**
- 6. Surgical Ethics, Evidence Based Surgery, Medico legal aspects, Economics of Surgery, Day care Surgery**
- 7. Herniae**
- 8. Pediatric surgery [CONGENITAL ANOMALIES GASTRO INTESTINAL, GENITO URINARY] Diaphragmatic Anomalies**
- 9. Anterior abdominal wall, anatomy, incisions, laparoscopic access**

10. Acute abdomen
11. Principles and Management of Common Fracture and Immobilization techniques
12. Bone Tumors, Nerve, Tendon injuries

UNIT 3 Traumas

1. Initial Assessment and Resuscitation after Trauma
2. Injuries to Chest, Head, Neck and Face
3. Injuries to Abdomen and Pelvis
4. Head injuries resuscitation
5. Burns management
6. Surgical Triage in Disaster
7. Principles of Imaging in Trauma patients
8. Sports injuries
9. Metabolic response to Trauma
10. Vascular injuries

UNIT 4 Gastro Intestinal systems

1. Oesophagus
2. Stomach
3. Small intestines
4. Appendix
5. Colon
6. Rectum and Anal canal
7. Liver
8. Pancreas
9. Biliary tree
10. Anastomosis

UNIT 5 Head & Neck surgery

1. Maintenance of airway, Tracheostomy.
2. Salivary gland disease.
3. Lymphatic nodes
4. Swellings of the neck
5. Swellings of scalp and face
6. Surgical flaps
7. Oral malignancies

UNIT 6 vascular surgeries

- 1. Vascular Investigations**
- 2. Vascular Surgical principles**
- 3. Endovascular procedures**
- 4. Carotid disease**
- 5. Occlusive arterial disease**
- 6. Aneurysms**
- 7. Amputations**
- 8. Diabetic foot**
- 9. Venous disease**
- 10. Lymphatic disorders**

UNIT 7 Genito Urinary systems

- 1. Principles of the surgical treatment of Kidney.**
- 2. Investigations in Urology**
- 3. Urinary tract infections**
- 4. Urinary calculi.**
- 5. Transplantation**
- 6. Surgical diseases of Prostate gland**
- 7. Retention of Urine**
- 8. Pain and swelling in the scrotum**
- 9. Testicular diseases**
- 10. Principles of Endo Urology**
- 11. Gynaec Surgery related to General Surgery PID, Ectopic, Ovarian cyst, LSCS, Family Planning**

UNIT 8 Breast

- 1. Benign breast diseases**
- 2. Carcinoma breast**
- 3. Gynaecomazia**
- 4. Breast reconstruction**
- 5. Newer investigations**

UNIT 9 Principles of Oncology

- 1. Epidemiology of cancer and tumor registries.**
- 2. Principles of cancer treatment by surgery, radiotherapy, chemotherapy, immunotherapy and hormone therapy.**
- 3. Principles of molecular biology of cancer, carcinogenesis; genetic factors; mechanisms of metastasis.**
- 4. Cancer screening**
- 5. TNM staging principles**
- 6. Terminal care of cancer patients; pain relief.**

UNIT 10 Endocrine system

- 1. The surgical anatomy and applied physiology of the endocrine glands.**
- 2. Special investigations.**
- 3. Thyroid- surgical diseases**
- 4. Adrenal**
- 5. Parathyroid**
- 6. Pituitary gland**
- 7. Rest of the Endocrine Glands**

List of Books in General Surgery

- 1. Bailey and Love short practice of Surgery.**
- 2. Sabiston Textbook of Surgery by Courtney M. Townsend**
- 3. Schwartz's Principles of Surgery, 8/e (Schwartz's Principles of Surgery) by F.Charles Brunnicardi**
- 4. Master of Surgery (2 Volumes) by Robert J Baker**
- 5. Zollinger's Atlas of Surgical Operations by Jr. Robert M. Zollinger**
- 6. Surgery of the Thyroid and Parathyroid Glands by Gregory Randolph**
- 7. Surgery of the Liver and Biliary Tract (2 volumes & CD-ROM) by L.H. Blumgart**
- 8. Surgical Clinics of North America**
- 9. Pye's Surgical handigraft**
- 10. Hamilton Bailey's Emergency Surgery 15 edition**
- 11. Maingot's Abdominal Operation 11th edition**
- 12. Art of Laparoscopic Surgery – Palanivelu**

Journals for Reference

- 1. Indian Journal of Surgery.**
- 2. British Journal of Surgery.**
- 3. American Journal of Surgery.**
- 4. Surgery International**
- 5. New England Journal of Medicine.**
- 6. Year Book of Surgery.**
- 7. Recent Advances in Surgery (Indian and International).**