

THE TAMIL NADU Dr. M.G.R MEDICAL UNIVERSITY, CHENNAI

**POST GRADUATE M.S. DEGREE COURSE IN GENERAL SURGERY – BRANCH I
TRAINING PROGRAMME**

FIRST YEAR

a) General Surgery	...	7 Months
b) Anaesthesia	...	1 Month
c) Radiology and Radio-therapy	...	1 Month
d) Ortho and Traumatology	...	
I) Ortho	1 Month]
II) Traumatology	1 Month]
e) Surgical Gastroenterology		2 Months
		1 Month

	Total	12 Months

SECOND YEAR

a) General Surgery	...	7 Months]
b) Neuro Surgery	...	1 Month]
c) Plastic Surgery	...	1 Month]
d) Paediatric Surgery	...	1 Month]
e) Cardio Thoracic	...	1 Month]
f) Urology	...	1 Month]

	Total	12 Months	

THIRD YEAR

a) General Surgery	...	9 Months
b) Intensive Coaching	...	3 Months

	Total	12 Months

** Post Graduate students of M.S(General Surgery) be posted to one month training during the second year of their training period in Vascular Surgery, be modified to the effect that such posting need not be made mandatory and for this purpose one month training in General Surgery/Surgery be reduced.

**POST GRADUATE M.S DEGREE COURSE IN GENERAL SURGERY
BRANCH – I SCHEME OF EXAMINATION**

CLINICAL EXAMINATION

TOTAL MARKS : 200

	<u>No. of Cases</u>	<u>Marks</u>
1. Long Case	One	80
2. Short Case	Three (3x40 marks)	120

		Total 200

VIVA VOCE EXAMINATIONS

TOTAL MARKS : 100

1. OSCE	50
2. Log Book (Evaluation & Questioning)	20
3. Orals on Recent Advances	30

	Total 100

1. OSCE (Objective Structural Clinical Examination)

Marks (10x5):50

Based on Objective Structured Exam Stations:

S.No.	Stations	Marks

1.	Lab Investigations	05
2.	Imaging Modalities (MRI/CACT/Contrast)	05
3.	Drugs	05
4.	Pre-operative Scenario	05
5.	Clinical Scenario	05
6.	Post operative Scenario	05
7.	Laparoscopy instruments	05
8.	Specimens	05
9.	Surgical Procedures	05
10.	Communication skills – Ethics	05

		50

Note: Serial No. 1 to 10 should be common to all the candidates appearing on that

day.

2. Log Book (Evaluation and Questioning)

Marks: 20

3. Oral on Recent Advances

Marks: 30

THESIS

Marks: 100

PASS

<u>Minimum for Pass</u>	<u>Clinical Examination</u>	<u>Viva</u>	<u>Thesis</u>
Maximum	200	100	100
Minimum	100	50	50

Candidates must pass each component separately. Even if a candidate fails in one component, the candidate is deemed to fail in the whole examination.

RECOMMENDED LIST OF TEXT BOOKS & JOURNALS

TEXT BOOKS

1. Bailey and Love's Short Practice of Surgery
2. Book of Surgery (SABISTON) Volume I and II
3. Principles of Surgery by SCHWARTZ
4. Abdominal Surgery by MainGOT
5. Operative Surgery Charles Rob
6. Farquharson's Text Book of Operative Surgery
7. New Airds Companion to Surgical Studies
8. Jamieson and Key's Text Book of Surgical Physiology
9. Surgical Pathology by Boyd.
10. General Pathology by Waltair Isreal.
11. Last's Anatomy
12. Clinical Pharmacology by Laurence.
13. Clinical Pharmacology by Satoskar
14. Mastery of Surgery.
15. Ackerman's Surgical Pathology
16. Wilson: Watson – Jones Fractures and Joint injuries.
17. Surgical Pathology – By Illing Worth and Dick.
18. Paediatric Burns – Total Management of the Burned Child by Marella L Hanumadass and K Mathangi Ramakrishnan

JOURNALS

1. British Journal of Surgery
2. Annals of Surgery.
3. American Journal of Surgery.
4. Surgical Clinics of North America.
5. Diseases of Colon and Rectum.
6. Annals of Royal College of Surgeons.
7. Indian Journal of Surgery.

SYLLABUS
POST GRADUATE M.S. DEGREE COURSE IN
GENERAL SURGERY – BRANCH -I

ANAESTHESIA

1. Premedication.
2. Cardio Pulmonary resuscitation.
3. Various types of regional anaesthesia.
4. General anaesthesia – Intubation, maintenance and extubation.
5. Anaesthesia in special circumstances like emergency, surgery metabolic derangements, Trauma etc.
6. Management of Intractable pain.

RADIOLOGY AND RADIO THERAPY

1. Technique of commonly done investigations in the Radiology department like plane x-ray both for bone and soft tissue.
2. Technique of contrast x-rays in various systems in the body and their interpretation.
3. Ultrasonogram.
4. C.T. Scan.
5. Practical Knowledge of Radio Therapy.
6. Practical knowledge of telecobalt and other Linear accele & rator and other types of irradiation.

ORTHO AND TRAUMA

(one month in Ortho and one month in Trauma Ward under Orthopaedic Surgeon)

1. Principles and management of common fracture.
2. Immobilization and plaster Technique.
3. Correction of deformities of limbs.
4. Diseases of bone and joints including tumours.
5. Management, nerve, tendon and vascular injury.
6. Management of Polytrauma.

CARDIO THORACIC

1. Thoraco abdominal injuries.
2. Intercostal drain.
3. Thoracotomy and closure.
4. Surgery of oesophagus, lung and pericardium
5. Management of emphyema.
6. Fundamentals of open heart surgery and Bypass surgery.

NEURO SURGERY

1. Management of head in injury.
2. Diagnosis and management of intra cranial tension
3. Practical experience in burrhole and craniotomy.

UROLOGY

1. Basic knowledge of endourology.
2. Trauma related to Urology.
3. Basic investigative aspects of uro-dynamics

PLASTIC SURGERY

1. Facio Maxillary injuries.
2. Various methods of Raw area coverage including Myocutaneous flap
3. Reconstructive surgery for Breast and head and neck cancer.
4. Cosmetic reconstructive surgery.
5. Management of Burns.
6. Bed Sore – prevention and management.

PAEDIATRIC SURGERY

1. Congenital anomalies – gastro intestinal, ano-rectal genitourinary tract etc.
2. Management of intestinal obstruction in new born.
3. Childhood malignancies.

GENERAL SURGERY

All facts of General Surgery including Endocrine Surgery (Viz. Thyroids, Adrenals etc. breast surgery, surgical Gastroenterology)

General Surgery including Surgical Pathology and applied aspects and Basic Medical Sciences.