

COURSE TITLE: SURGERY TECHNIQUES –I & CLINICAL PRACTICE

STUDY HOURS: 60+160
PAPER: 01
YEAR: 2nd

MARKS
THEORY 120
PRACTICAL: 30
TIME: 03HRS

COURSE CONTENTS

STUDY HOURS
(THEORY+PRACTICAL)

A. REGIONAL ANATOMY AND PHYSIOLOGY

40+80

Brief revision of the following topics. The number shows number of periods in which each topic should be covered:-

A1. General survey of human skeleton

- A1.1 Skeletal Tissues
- A1.2 Cartilages
- A1.3 Tendon
- A1.4 Ligaments
- A1.5 Bone
- A1.6 Joints

A2. Respiratory System

- A2.1 Upper and lower respiratory tract
- A2.2 Lungs
- A2.3 Pleura
- A2.4 Diaphragm

A3. Cardiovascular System

- A3.1 Arteries Veins
- A3.2 Heart
- A3.3 Veins

A4. Excretory System

- A4.1 Kidney
- A4.2 Ureter
- A4.3 Bladder
- A4.4 Urethra

A5.1 Pituitary Gland

- A5.2 Adrenal Gland
- A5.3 Thyroid Gland
- A5.4 Para thyroid Gland

A6. Nervous System

- A6.1 Nervous Tissues
- A6.2 Central Nervous System
- 1)A6.3 Peripheral System

ANAESTHESIA AND PATIENT CARE

20+80

Introduction to Anesthesia.

- C1 Physics and chemistry of Anesthesia.
- C2 Anesthetic agents, types and uses.
- C3 Chemicals and gases.
- C4 Physiology of Respiration
- C5 Stages of Anesthesia.
- C6 Patient preparation before and after Anesthesia.
- C7 Patient management during Anesthesia.
- C8 Anesthesia Machine
- C9 Pre and Postoperative care of patients

RECOMMENDED BOOKS

- 1 Operative Techniques by Dr.s.Das, Japee.
- 2 Surgery by Dr.Kumar (Japee)
- 3 Book of Surgical Instruments by D

REFERENCE BOOKS

- 1 manual on Clinical Surgery including Special Investigation
- 2 General Surgery Board Review Series by Traves D. Crabtree

COURSE TITLE: SURGERY TECHNIQUES –II& CLINICAL PRACTICE

		MARKS
STUDY HOURS:	60+160	THEORY 120
PAPER:	02	PRACTICAL: 30
YEAR:	2nd	TIME: 03HRS

COURSE CONTENTS

STUDY HOURS (THEORY+PRACTICAL)

A.	SURGICAL TECHNIQUES	60+160
A1	Introduction to operating department.	
A2	O.T. Table and position used for surgery.	
	B3 Operation Preparations.	
A4	Classification of instruments and apparatus: Disposable/Non disposable, sharp instrument, sutures, needles, syringes and hypodermic needles, special instrument, catheters their working and care.	
A5	Ligature and suture materials Introduction, cat guts (preparation, sizes handling), absorbable and non-absorbable ligatures and sutures, natural materials (silk worm gut, silk threads, linen cotton their sizes and classes) Nylon, polyesters, ethylene, Polypropylene, metallic wire, metalclips as sutures and as ligatures.	
A6	Storage and handlings of suture materials associated with instrument. Ligature requisites, scalpel blades, handless and needled scissors etc.	
A7	Draping operation areas. B8 Terminology and technical words used in	

- theatre.
- A9 Operating microscopes:
Principle, parts use and care.
 - A10 Fibre optic endoscopies: Introduction, types, procedure and care of the instrument.
 - A11 Introduction to general instrument, scalpel, scissors, forceps, knives, hooks, retractors etc. the instruments types sizes and materials.
 - A12 Abdominal surgery: Tabratomy set, types of incisions, gall balder, hernia appendectomy etc.
 - A13 The patient, procedure, instruments used in each operation will be taught and operation on breast.
 - A14 ENT operations: -Definitions of operations, position of the patient, general instrument used in each operations.
 - A15 Neuro-surgical Operations: -Positions of the patient, general instruments used in each operation.
 - A16 Ophthalmic Operations
 - A17 Orthopedic Operations
 - A18 Urological Operations
 - A19 Thoracic Surgery
 - A20 Gynecological Operations
 - A21 Plaster of Paris Techniques
 - A22 Radioactive material used in theatre:-Care, use, safety precautions, and disposal.

RECOMMENDED BOOKS

- 1 Operative Techniques by Dr.s.Das, Japee.
- 2 Surgery by Dr.Kumar (Japee)
- 3 Book of Surgical Instruments by D

REFERENCE BOOKS

- 1 manual on Clinical Surgery including Special Investigation
- 2 General Surgery Board Review Series by Traves D. Crabtree