

CURRICULAM 2ND SEMESTER

GASTROENTROLOGY TECHNOLOGY

Paper A G I T Anatomy

Paer B G I T Physiology

Introduction

1. Anatomy of Gastro intestinal Track

Gross Anatomy Blood Supply, Lymphatics, and Nervous control of
Mouth Pharynx
Oesophagus, stomach.
Duodenum, Jejunum, Ileum, Cecum,
Colon (Ascending, Transverse, descending, sigmoid)
Rectum & anal Region.

2. Physiology.

esophagus.
Duodenum
Jejunum,
Ileum,
Colon,
Mechanism of Enzyme Production
Process of digestion.
Control of intestinal, gastric secretion etc
Sphincteric function of gastro intestinal track.

3. Practicals.

Endoscopes and accessories.
Endoscopy unit design/function
Holding an endoscope.
Fiberoptic, versus, video imaging

CURRICULAM 3rd SEMESTER

Paper A G I T Pathology

Paper B G I T Pharmacology & procedures

PATHOLOGY OF GASTROENTROLOGY TRACK

Dyspepsia.
Ulcers (Gastric,Doudenal)
Malignancies.
Infections(Protozol,Bacterial, vira, jungal)
Sphincteric dysfuntion
Motility disorder.
Congenital anomalies.

2 PHARMACOLOGY

Sedatives.
Sedation for Endoscopy,

3. PRACTICAL.

Infection control during Gastro instestinal endoscopy.
Routine endoscopic cleaning
Guide lines of Prophylactic antibodies for procedure.
Sedation
Drugs used for sedation
Recovery.

4 BIOPSY FORCEPS

Upper GI Forceps.
Lower GI Forceps.
Injection sclerotherapy needle
Coagulation proble
Stricture dilatation assistance,
Polypectomy assistance snare handling
Collection of Biopsy specimen
Preservation of biopsy specimen.

CURRICULAM 4TH SEMESTER

Paper A GIT Medicines –I

Paper B GIT Medicine-II

Medicine.

Brief knowledge about common disorders and their prevention.

A **UPPER G-I ENDOSCOPY**

Indication and contraindications.

- A Indication of therapeutics OGD
- B Recognition of
 - I Esophagus
 - li Stomach
 - lii Duodenum
- C Biopsy/Brushing/Aspiration

B. **LOWER OF ENDOSCOPY.**

Indication and contraindications.

Sigmoidoscopy
Colonoscopy
Bowel preparation
Drugs used in
Colonoscopic anatomy
Common Pathologies.

C. **ERCP.**

Sedation.

Drug used for sedation
Floroscope,noroscope handling
Indication
Contraindication
Contrast agents used
Therapeutic accessories

D. **RECOGNITION OF ACCESSORIES.**

Binding catheter

Papillma different types

Needle Knife

Balloons.

Dormia Bask

Identification of hepato biliary anatomy

Anatomy/ identification of papilla.

Complications.