

**Course Title: GASTROENTROLOGY TECHNIQUES-I AND CLINICAL PRACTICE**

<b>Study Hours:</b>	<b>60+160</b>	<b>Marks</b>	
<b>Paper :</b>	<b>1</b>	<b>Theory:</b>	<b>120</b>
<b>Term :</b>	<b>3<sup>rd</sup></b>	<b>Practical:</b>	<b>30</b>
		<b>Time:</b>	<b>3Hrs</b>

**Course contents**

**STUDY HOURS**

**(THEORY+PRACTICAL)**

<b>A.</b>	<b>Special Anatomy of Gastro intestinal Track:</b>	<b>40+40</b>
	A1. Gross Anatomy, Blood supply, Lymphatics, and Nervous control of ;	
	A2. Mouth, Pharynx	
	A3. Esophagus, Stomach	
	A4. Liver, Gall Bladder, Pancreas	
	A5. Duodenum, Jejunum, ileum, Caecum	
	A6. Colon (Ascending, Transverse, Descending, Sigmoid)	
	A7. Rectum & Anal region.	
<b>B.</b>	<b>PHARMACOLOGY (Brief Introduction and uses)</b>	<b>20+40</b>
	B1. Sedatives.	
	B2. Sedation for Endoscopy	
	B3. Drugs use for sedations	
<b>C.</b>	<b>Practicals.</b>	<b>80</b>
	C1. Patient receiving	
	C2. History taking	
	C3. Routine investigation	
	C4. Maintenance of record	
	C5. Introduction to Endoscopy room	
	C6. Introduction to sterilization and disinfection of endoscope	
	C7. Scrubbing technique	
	C8. Preparation of patient procedure	
	C9. Safety and precaution	
	C10. Routine Endoscopic cleaning	
	C11. Endoscopes and accessories.	
	C12. Endoscopy unit design/function.	
	C13. Holding an endoscope.	
	C14. Fiberoptic versus video imaging	
	C15. General ward duty	
	C. Post procedure care and instruction	
	C17. Sedation	

**RECOMMENDED BOOKS:**

1. Current Diagnosis and Treatment in Gastroenterology by Scott L Friedman

2. Practical Gastrointestinal Endoscopy by Colton PB by Oxford Black Well Scientific
3. Pharmacology by Shamim
4. ERCP in Pediatric Practice Diagnosis and Treatment

**REFERENCE BOOKS:**

1. Gastrointestinal Pathology by Maron Band Dawson IMP by OBW Scientific
2. Manual of Clinical Problems and Gastroenterology by Michael M Van Nes

**Course Title: GASTROENTROLOGY TECHNIQUES-II AND CLINICAL PRACTICE**

**Study Hours: 60+160**

**Paper : 2**

**Term : 3<sup>rd</sup>**

**Marks**

**Theory: 120**

**Practical: 30**

**Time: 3Hrs**

**Course contents**

**STUDY HOURS  
(THEORY+PRACTICAL)**

<b>A. Special Physiology.</b>	<b>40+40</b>
A1. Esophagus.	
A2. Stomach.	
A3. Duodenum.	
A4. Jejunum.	
A5. Ileum.	
A6. Colon.	
A7. Mechanism of Enzyme production.	
A8. Functions of liver	
A9. Mechanism of bile production	
A10. Process of digestion.	
A11. Control of intestinal, gastric secretions etc.	
A12.. Sphincteric function of Gastro intestinal track.	
<b>B. PHARMACOLOGY (Introduction and uses)</b>	<b>20+40</b>
B1. Sedatives.	
B2. Sedation for Endoscopy	
B3. Drugs use for sedations	
<b>C. Practicals.</b>	<b>80</b>
C1. Patient receiving	
C2. History taking	
C3. Routine investigation	
C4. Maintenance of record	
C5. Introduction to Endoscopy room	
C6. Introduction to sterilization and disinfection of endoscope	
C7. Scrubbing technique	
C8. Preparation of patient procedure	
C9. Safety and precaution	
C10. Routine Endoscopic cleaning	
C11. Endoscopes and accessories.	
C12. Endoscopy unit design/function.	
C13. Holding an endoscope.	

- C14. Fiberoptic versus video imaging
- C15. General ward duty
- C16. Post procedure care and instruction
- C17. Sedation

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