



**GOVERNMENT OF KERALA  
DIRECTORATE OF MEDICAL EDUCATION  
DIPLOMA IN ENDOSCOPIC TECHNOLOGY COURSE REGULAR  
EXAMINATION MAY 2023**

**DET-I-MAY 2023**

Time -3hrs.

Max.marks: 100

**PAPER –I  
BASIC SCIENCES INCLUDING BASIC PRINCIPLES OF ENDOSCOPY**

(Answer all questions )

**SECTION-A**

I. Write Briefly (5x10= 50)

- a. Blood groups and dangers of mismatched blood transfusion
- b. Cardiopulmonary resuscitation
- c. Discuss briefly about Anatomy of Stomach
- d. Endoscope cleaning and disinfection
- e. Draw a diagram of Pneumatic dilator for Achalasia

**SECTION-B**

II. Write briefly (5x10=50)

- a. Hepatitis B vaccination
- b. Prepare a normal colonoscopy report
- c. H.pylori infection
- d. Draw a diagram of Lungs and mark the different parts
- e. Radiation safety in endoscopy

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**DET-II-MAY-2023**

**Time -3hrs.**

**Max.marks: 100**

**PAPER –II  
DIAGNOSTIC AND THERAPEUTIC ENDOSCOPY**

(Answer All questions)

**SECTION-A**

**I. Write Briefly** (5x10=50)

- a. Importance of informed consent in endoscopy procedures.
- b. Draw the structure of Gastro scope and mark the parts .
- c. Discuss about accessories used for endoscopic sphincterotomy.
- d. Mention causes of upper gastrointestinal bleeding & Draw a diagram of sclerotherapy needle.
- e. What are the complications of colonoscopic procedures.

**SECTION-B**

**I. Write Briefly** (5x10=50)

- a. Discuss different types of colonoscopy preparation agents.
- b. Mention importance of monitoring of vital signs during endoscopy.
- c. Discuss about universal precautions.
- d. What are the risks and benefits of sedation in endoscopic procedures.
- e. Discuss briefly about different methods of Oxygen Administration.

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**DET-III-MAY--2023**

Time -3hrs.

Max.marks: 100

**PAPER –III  
ENDOSCOPIC ACCESSORIES, REPROCESSING AND RECENT ADVANCES**

(Answer all questions )

**SECTION- A**

**I. Write Briefly**

**(5x10=50)**

- a. Discuss briefly about Electrocautery
- b. Hemorrhoidal band ligation
- c. IV Cannulas used in Endoscopy
- d. Uses of Argon plasma coagulation in endoscopic procedures
- e. Prepare an Upper GI endoscopy report in a patient with duodenal ulcer

**SECTION B**

**II. Write Briefly**

**(5x10=50)**

- a. Discuss briefly about endoscopic sphincterotomy
  - b. Midazolam
  - c. Draw a diagram of polypectomy snare
  - d. Indications and complications of capsule endoscopy
  - e. Briefly discuss about endoscopy reprocessing system
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