



**GOVERNMENT OF KERALA
DIRECTORATE OF MEDICAL EDUCATION
DIPLOMA IN ENDOSCOPIC TECHNOLOGY COURSE
REGULAR & SUPPLEMENTARY EXAMINATION APRIL 2024**

Time -3hrs.

DET-I-APR-2024

Max.marks: 100

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

(Answer all questions)

SECTION-A

I.

- a. Interpretation of liver function tests
- b. Draw a diagram of Genitourinary system in males
- c. Importance of leak testing of endoscopes
- d. Name blood groups. Discuss dangers of mismatched blood transfusion
- e. Precautions during intravenous fluid administration (5x10= 50)

SECTION-B

II.

- a. Endoscope storage after procedure
- b. Discuss about different types of local anesthesia
- c. Describe anatomy of the liver
- d. Renal function tests
- e. Draw a diagram of video endoscope and mark different parts. (5x10=50)

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DET-II-APR-2024

Time -3hrs.

Max.marks: 100

**PAPER –II
DIAGNOSTIC AND THERAPEUTIC ENDOSCOPY**

(Answer All questions)

SECTION-A

I.

- a. Endoscopic variceal band ligation (5x10=50)
- b. Radiation safety measures during endoscopic procedures
- c. Diagnostic laparoscopy
- d. Describe leak testing of endoscopes
- e. Describe colonoscopy preparation using Polyethylene Glycol

SECTION-B

II.

- a. Draw a diagram of endoscope and mark different parts (5x10=50)
- b. Endoscopic management of ulcer bleed
- c. Accessories used in ERCP
- d. Mention importance of monitoring of vital signs during endoscopy
- e. Rapid urease testing – basic principle and interpretation

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DET-III-APR-2024

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Time -3hrs.

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

(Answer all questions)

SECTION- A

I.

- a. Outline the different 'levels of disinfection'. What are the different agents used in disinfection.
- b. Prepare a colonoscopy report for a patient with an occluding ulceroproliiference growth in the rectosigmoid area.
- c. Write a note on the different types of IV fluids used in Endoscopy.
- d. Draw and mark the parts of a partially covered Esophageal SEMS (Self expanding metal stent)
- e. Role of clips used in endoscopy.

(5x10=50)

SECTION B

II.

- a. Name the different types of biopsy forceps. Explain how to handle a biopsy specimen.
- b. How to prepare a patient for an ERCP? Mention five different accessories required during a routine ERCP.
- c. Indications and complication of Enteroscopy.
- d. Discuss briefly the endoscopic therapeutics for a bleeding Duodenal ulcer
- e. Discuss the skeletal frame work of an endoscopy suite with a labeled diagram.

(5x10=50)
