

BACHELOR OF SCIENCE (ENDOSCOPY) (CBCS-2021 COURSE)  
B.Sc. (ENDOSCOPY) Sem - III : WINTER- 2022  
SUBJECT : STRUCTURE OF ENDOSCOPES, ELECTROSURGICAL UNIT

Day : Tuesday

Time : 10:00 AM-12:00 PM

Date : 17-01-2023

W-25086-2022

Max. Marks : 20

**N.B.**

- 1) There are three sections as  
Section – A = Objective Type questions - 20 marks  
Section – B = Long Answer questions - 20 marks.  
Section – C = Short Answer questions - 20 marks.
- 2) Section B has four long questions and **ANY TWO** questions have to be answered.
- 3) Section C has six short questions and **ANY FOUR** questions have to be answered.
- 4) Section A is given in **SEPARATE** sheet and has to be answered on same sheet. This sheet should be completed with the first 20 minutes of starting of the examination. This sheet with Section A only will be collected by Supervisor.
- 5) You have to make  such kind of mark in the box of the appropriate answers.

Seat No. : \_\_\_\_\_

**SECTION - A**

**M.C.Q's**

**(20)**

- 1 When during upper GI endoscopy, which of the following is not usually visualized?
  - a)  Esophagus
  - b)  Antrum
  - c)  Duodenum 2<sup>nd</sup> part
  - d)  Jejunum
- 2 Usually, an elevator is attached to which scope?
  - a)  OGD scope
  - b)  Colonoscope
  - c)  Duodenoscope
  - d)  Sigmoidoscope
- 3 Biopsy forceps is inserted through which of the following?
  - a)  Instrument channel
  - b)  Water channel
  - c)  Air channel
  - d)  Suction channel
- 4 Which of the following is not part of electrosurgical unit?
  - a)  Monopolar cautery
  - b)  Bipolar cautery
  - c)  A/C
  - d)  Balloon cathetre

**PTO**

5 Water jet/water pump can be attached to which of the following ?

- a)  OGD scope
- b)  Colonoscope
- c)  Duodenoscope
- d)  All of the above

6 Electrocautery works by

- a)  Extreme heat
- b)  Extreme cold
- c)  Both a and b
- d)  None of the above

7 NBI mode is used to

- a)  Clean endoscope
- b)  Safety of patient
- c)  Enhance image
- d)  To give sedation to patient

8 Yellow pedal on the electrosurgical unit is used for

- a)  Take image
- b)  Cut tissue
- c)  Irrigate water
- d)  Suction

9 Which of the following is an endoscopy reporting software?

- a)  Capture IT pro
- b)  Scopy DOC
- c)  Both
- d)  None

10 Right-left and up-down movements of the endoscope are done using

- a)  Push buttons
- b)  Torque
- c)  Wheels
- d)  Suction

Total marks obtained : \_\_\_\_\_

Signature of Invigilator : \_\_\_\_\_

Signature of Examiner : \_\_\_\_\_

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  - 4) Answer to both the sections should be written in **SAME** answer book.
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**SECTION – B**

Long answer questions (Attempt **ANY TWO**) **(20)**

- 1) Draw labelled diagram of Endoscope. Enumerate function of i) Air/Water Channel ii) Instrument channel.
- 2) Describe steps in endoscope disinfection.
- 3) Write about precautions to be taken and checklist for preparing patient for i) Upper GI endoscopy ii) Lower GI endoscopy.
- 4) Draw labelled diagram of i) EBVL – ligator and applicator ii) endoscopy snare iii) endoscopic biopsy forcep iv) endoscopic roth net.

**SECTION – C**

Short answer questions (Attempt **ANY FOUR**) **(20)**

- 1) Enumerate instruments and accessories used in performing ERCP.
- 2) Draw schematic diagram of electrosurgical unit.
- 3) Enumerate instruments used in removing foreign body endoscopically.
- 4) Write about collection and dispatch of biopsy sample.
- 5) Rapid urease test
- 6) Enumerate modes used in electrosurgical unit. Describe monopolar cautery.

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