

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc(Operation Theatre Technology) (Sem.-5)
ELECTRONICS AND TECHNOLOGY IN SURGERY AND
ANESTHESIA

Subject Code : BSOT-503-19

M.Code : 92810

Date of Examination : 16-12-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

- 1. Write briefly :**
- a) Enlist lights used in OT.
 - b) Name the electrodes used in surgical diathermy.
 - c) Difference between a manual suction device and a portable suction device.
 - d) Brief about the video camera used in laparoscopy instruments.
 - e) Define volumetric pumps?
 - f) Uses of C-Arm machine.
 - g) Basic features of cardiac monitoring.
 - h) What is the role of gas analysers?
 - i) What are the common types of intubations?
 - j) Uses of portable ultrasound.

SECTION-B

2. Discuss common problems associated with operating theatre lights.
3. Write the principle of surgical diathermy.
4. Explain the operative instruments used in laparoscopy surgery.
5. Write a note on C-Arm and radiation safety.
6. What are the types of infusion according to their working?

SECTION-C

7. Illustrate electro-surgical diathermy.
8. Describe the procedure for intubation and its side effects.
9. Explain the physiological functions to be monitored by the intensive care unit.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.