

Roll No.

Total No. of Pages : 02

Total No. of Questions : 11

M.Sc. (Medical Technology - Anaesthesia & Operation Theatre) (Sem.-2)

SURGICAL INSTRUMENTS & TRAYS

Subject Code : MAOTT-204-21

M.Code : 91821

Date of Examination : 21-12-2022

Time : 3 Hrs.

Max. Marks : 70

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains EIGHT questions carrying FIVE marks each and students have to attempt any SIX questions.**
3. **SECTION-C will comprise of two compulsory questions with internal choice in both these questions. Each question carries TEN marks.**

SECTION-A

1. Answer briefly :

- a. Define cardiomyopathy.
- b. Write the functioning of pacemaker.
- c. What is D&C Tray?
- d. Enlist the instruments used in cardiac surgeries.
- e. What is the use of radiosurgery?
- f. Mention the various components of long instruments tray.
- g. Write use of open heart basic instrument tray.
- h. What is the significance of thoracoscope?
- i. Mention the various instruments used in laparoscopy.
- j. What are basic requirements for knee arthrotomy tray?

SECTION-B

2. Differentiate between minor procedure tray and major procedure tray.
3. Write a short note on plastic surgery instruments.
4. Discuss briefly about various types of surgical needles.
5. Briefly discuss the various components of cesarean section tray.
6. What do you know about thoracotomy tray?
7. What are robotic machines? Explain its various parts.
8. Explain the instruments used in cardiac surgeries.
9. Give the basic classification of instruments.

SECTION-C

10. Define organ transplantation. Briefly discuss types of transplants and tissue transplantation.

OR

Explain in detail about:

- a) Bronchoscopy instruments tray
 - b) Vasectomy tray.
11. Write a detailed account on basic classification of instruments.

OR

Write a short note on following:

- a) Urology instruments
- b) cryosurgery.

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