

**Roll No.**

**Total No. of Pages : 02**

**Total No. of Questions : 11**

**B.Sc.(Medical Technology-Anaesthesia & Operation Theatre) (Sem.-3)**

## SURGICAL INSTRUMENTATION

**Subject Code : BAOTT-303-21**

**M.Code : 92649**

**Date of Examination : 16-12-22**

**Time : 3 Hrs.**

**Max. Marks : 60**

**INSTRUCTIONS TO CANDIDATES :**

1. **SECTION-A** is **COMPULSORY** consisting of **EIGHT** questions carrying **TWO** marks each.
2. **SECTION-B** contains **EIGHT** questions carrying **FOUR** 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 needle and blade
  - b. Define retractor
  - c. Define transplant surgery
  - d. Name any four urology instruments and its uses
  - e. Name any two neurological instruments
  - f. Name any two precautions you will take while cleaning of instrument
  - g. Write the Full form of ECMO
  - h. Define Electrocautery.

## SECTION-B

2. Define pacemaker and its principle.
3. Describe briefly various sizes of blades.

4. Write a note on Biliary tract surgery instrument.
5. What are different types of transplants discuss briefly one?
6. Describe in brief thyroid surgical instruments.
7. Explain thoracic surgery instruments in brief.
8. Why instruments played a vital role in medical technology. Give your answer with suitable examples.
9. Write a note on Anorectal surgeries.

### **SECTION-C**

10. Define organ transplant, give detailed notes on SOP of instrumentation in organ transplants.

**OR**

Write a note on :

- a) Incision making instruments
  - b) Bowel surgical instruments
11. Write a note on :
    - a) Gamma Knife radiosurgery
    - b) Instruments used in Gynaecological examination.

**OR**

Explain Robotic machine and its parts using a diagram. Give a detailed note on its Technological aspects.

**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.**