

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)

B.Sc. Allied Health Sciences Third Year Semester-VI

March 2021 Examination

B.Sc. Operation Theatre Technology

Time : 2.30 Hrs.

Paper-I

[Max. Marks : 80]

Subject: Operation Theatre Technology - Clinical

Q.P Code : J6200

*Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.*

Long Essay

2 X 10=20 Marks

- 1 How do you classify the surgical instruments .Describe each instruments in detail and its uses.
- 2 How do you prepare the OT for abdominal surgery. Describe the various instruments used.

Short Essay (Answer any Six)

6 X 5=30 Marks

3. Describe briefly unipolar and bipolar diathermy.
4. How do you prepare the ot for a easophageal surgery and the instruments used?
5. write briefly about artery forceps, various types of retractors and surgical knives.
6. Describe in detail about the insruments used in microsurgery.
7. Write briefly about allies tissue forceps and needle holder.
8. What are the various type of breast procedure done and describe in detail the instruments used in breast surgeries.
9. How do you prepare ot for a pancreatic procedure and the instruments used.
10. Describe breify about fabrication of instruments

Short Answers (Answer any ten)

10 X 3=30 Marks

11. Precaution to be taken for a electrocautery in the ot.
12. Write briefly about instruments used in liver procedure.
13. Describe the parts of laparoscope which is used in laparoscopic surgery
14. Describe briefly LASER.
15. Write breifly about handling instruments
16. Write briefly about fabrication of the instruments used in pancreatic procedure.
17. Write briefly about instruments used in splenic procedure.
18. Write briefly about specialized surgical instruments.
19. How do you prepare & drape the patient in ot.
20. Microsurgery.
21. Instruments used in splenic procedures.
22. Instruments used in easophageal procedures.



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PAPER-II

Operation Theatre Technology - Applied
Q.P Code : J6210

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

Long Essay

2X10 = 20 Marks

1. Explain the preparation of anaesthesia tray for GA. Explain the premedication's given.
2. Describe the preparation of patient & OT for Lap assisted vaginal hysterectomy.

Short Essay (Answer any Six)

6 X 5=30 Marks

3. Preparation of patient & OT for spinal anaesthesia
4. Discuss methods of anaesthesia for fracture femur
5. Steps in hand washing
6. Post anaesthetic care unit
7. Circle system and component
8. NPO Guidelines
9. Anaesthesia techniques for umbilical hernia
10. Brachial plexus block and adjuvant drugs used

Short Answers (Answer any ten)

10 X 3=30 Marks

11. Uses of trans found
12. Vasopressors used in septic shock
13. Mephentermine
14. Lithotomy position and precaution to be taken
15. Subclavian block
16. Magill's
17. Vecuronium
18. Atropine
19. Fentanyl
20. Name some antiemetic's
21. Urosac bag
22. Levobupivacaine



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[Max. Marks : 80]

PAPER-III

Operation Theatre Technology Advanced

Q.P Code : J6220

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Long Essay

2 X 10=20 Marks

1. How do you prepare the OT for organ procurement and transplantation.
2. How do you prepare OT for cardiac surgery. Describe heart lung machine.

Short Essay (Answer any Six)

6 X 5=30 Marks

3. Heart lung machine
4. Pulmonary aspiration
5. Post operative shivering
6. Double lumen tubes
7. Three uses of capnogram in general anaesthesia
8. Rules of nine in burns
9. Describe double lumen endotracheal tube
10. One lung ventilation

Short Answers (Answer any ten)

10 X 3=30 Marks

11. Post operative complications after head and neck operations
12. What are the instruments to be kept ready for organ transplantation
13. Name the instruments to be kept ready for thyroid surgery
14. Post operative complications after cardiac surgeries
15. Intercostal drainage tube
16. Name the head and neck procedure done in the OT
17. What are the instruments to be kept ready for vascular surgeries
18. Post operative complications after organ transplantation
19. Describe the instruments to be kept ready for plastic and reconstructive surgeries
20. Problems faced during eye surgery
21. Heart lung machine
22. Write briefly about intra ocular pressure

