

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



**B.Sc. Allied Health Sciences Third Year (Semester-V)**

**September 2022 Examination**

**B.Sc. Anesthesia & Operation Theatre Technology**

**Time : 2.30 Hrs.**

**[Max. Marks : 80]**

**PAPER-I**

**OPERATION THEATRE TECHNOLOGY - CLINICAL**

**Q.P Code : J5170**

*Your answers should be specific to the questions asked.*

*Draw neat labelled diagrams wherever necessary.*

**LONG ESSAY**

**2X10=20 Marks**

1. Write on autoclaving
2. Describe the different zones in operation theatre . Add a note on electrical and air conditioning systems in the OT

**SHORT ESSAY(Answer any six)**

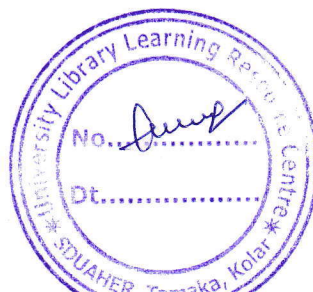
**6X5=30 Marks**

3. Set up Urology OR.
4. Transportation of the patient to the operating room
5. Universal precautions
6. Define sterilization
7. Define hand washing technique
8. How do you scrub for an orthopedics case?
9. Preoperative assessment room
10. Biological indicators

**SHORT ANSWERS (Answer any ten)**

**10X3=30 Marks**

11. Electrical faults in the OR.
12. Chemical hazards
13. Agents used for chemical disinfection
14. Define localized infection
15. Define cap and glove technique
16. Monitoring chemical disinfection
17. Hazards in laser surgery
18. Physical indicators
19. Use of bacteriostatic
20. Define asepsis
21. Hydrogen peroxide
22. Collection of swab from OT





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**PAPER-II**

**Operation Theatre Technology Applied**

**Q.P Code : J5180**

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

**Long Essay**

**2X10=20 Marks**

1. What are the premedication? Describe them in detail, explain Guedels stages of anaesthesia
2. Describe the minimum monitoring required write the patient in under spinal anaesthesia . Enumerate some of the advanced monitoring done in critically ill patients.

**Short Essay (Any Six)**

**6X5=30 Marks**

3. Describe the components of high pressure system in anaesthesia machine
4. Types of brachial plexus block and describe the drugs used to give the block
5. Steps in general anaesthesia
6. Describe magills circuit
7. How do you treat a blood reaction patient
8. Vecuronium and its uses
9. Describe maintenance of anaesthesia and drugs used for the maintenance of anaesthesia
10. Write note on different types of laryngoscopes

**Short Answers (Any ten)**

**10X3=30 Marks**

11. Bains circuit
12. Pressure reducing valves
13. Choice of anaesthesia for upper limb surgery
14. Radio Iodine
15. Bougie
16. Enumerate the formulations in which lignocaine is available.
17. Etomidate
18. Suction pump
19. Buprenorphine
20. Adjuvants used in brachial plexus block
21. Central pipeline system
22. Entonox





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**PAPER-III**

**OPERATION THEATRE TECHNOLOGY - ADVANCED**

**Q.P Code : J5190**

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

**LONG ESSAY**

**2X10=20 Marks**

1. Discuss the preoperative preparation and management of patient posted for emergency lower segment cesarean section
2. Universal Precaution during surgery of HIV positive patient.

**SHORT ESSAY (Answer any six)**

**6X5=30 Marks**

3. GCS
4. Post tonsillectomy position?
5. Prone position.
6. SPC .
7. Air embolism .
8. Laproscopic assisted tubectomy
9. DHS
10. LMA

**SHORT ANSWERS (Answer any ten)**

**10X3=30 Marks**

11. Intravenous fluids.
12. The trolley set-up for ureteric calculi.
13. Post-operative monitoring for a tonsillectomy patient.
14. Complications of blood transfusion.
15. Bone cement.
16. Foleys catheter.
17. Post-operative pain management in pcnl.
18. Irrigating fluid in urological practice.
19. What are the advantages of spinal anesthesia in an obstetric patient?
20. Trolley set-up for a neurosurgery.
21. Mannitol
22. Bone graft

