

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

**B.Sc. Allied Health Sciences Third Year (Semester-V)**  
**March 2022 Examination**

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

Time: 2.30 Hrs.

[Max. Marks: 80]

**OPERATION THEATRE TECHNOLOGY – CLINICAL PAPER-I**

**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. Explain in details hand washing, gowning ,cap, mask, and glove
2. What are the sterilization methods? Write on steam sterilization

**SHORT ESSAY(Answer any six)**

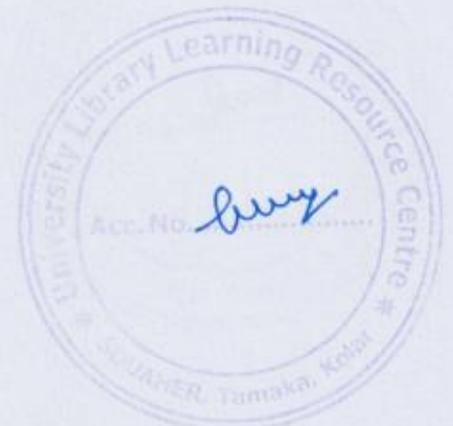
**6X5=30 Marks**

3. Transmission of cross infection.
4. Write respiratory isolation method.
5. Write physical method of boiling
6. Write about radiation methods of sterilization
7. Write about purpose of operation bed
8. Define care of equipments in operation theatre
9. Define OT
10. Autoclaving

**SHORT ANSWERS (Answer any ten)**

**10X3=30 Marks**

11. Agents used for chemical disinfection
12. Physical indicators
13. Personnel risks in the OR
14. Fire plan in the OR
15. Steam sterilization monitoring
16. Blood borne pathogens
17. Decontamination and sterilization of LMAs
18. Needlesticks injuries
19. Choice of fire extinguisher in the OR
20. Defibrillator as a source of fire
21. Glutaraldehyde
22. Advantage of gas sterilization



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PAPER-II

**Operation Theatre Technology Applied**

**Q.P Code: J5180**

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Draw neat labeled diagrams wherever necessary.*

**Long Essay**

**2X10=20 Marks**

1. Explain various techniques of regional anaesthesia. Describe about positioning for spinal anaesthesia.
2. Describe in detail the pre op preparation of a patient undergoing abdominal hysterectomy

**Short Essay (Any Six)**

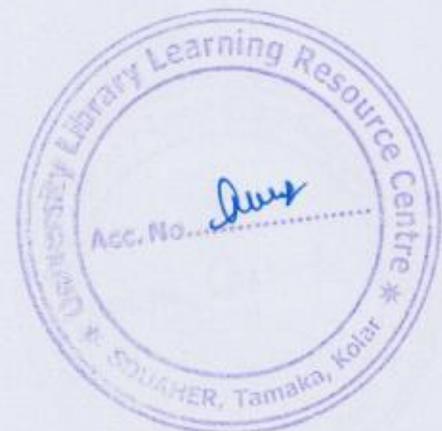
**6X5=30 Marks**

3. Name few premedication drugs used in general anaesthesia
4. Prepare the patient for ECT
5. HEG Boyle
6. Minimum mandatory monitoring in OT
7. Classify local anaesthesia and name some of them
8. Balanced anaesthesia
9. Liver functions tests
10. Preparation of the patient for cystoscopy

**Short Answers (Any ten)**

**10X3=30 Marks**

11. Spinal needles
12. Name 3 non-depolarizing muscle relaxant
13. Pulse oximeter
14. Name some colloids used in OT
15. Drugs used for inhalation anaesthesia
16. General gas supply
17. Uses of ultrasound
18. Special endotracheal tubes
19. Vasopressors
20. Clinical criteria for recovery
21. Flowmeters
22. Wrist block



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**PAPER-III**

**OPERATION THEATRE TECHNOLOGY - ADVANCED**

**Q.P Code: J5190**

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Draw neat labelled diagrams wherever necessary.*

**LONG ESSAY**

**2X10=20 Marks**

1. Explain type of anaesthesia for the thyroid surgery and positioning of the patient for the same.
2. What is Laryngospasm and how do you treat this condition ?

**SHORT ESSAY (Answer any six)**

**6X5=30 Marks**

3. Care of laparoscopic instrument after surgery.
4. What are the various technique used in anesthesia, explain with indications.
5. Positioning for I J V cannulation.
6. Anesthesia for donor for renal transplant.
7. Anesthesia for cesarean section.
8. Complications of blood transfusion.
9. What are the drug used to reduce intra cranial pressure?
10. Positioning for DHS.

**SHORT ANSWERS (Answer any ten)**

**10X3=30 Marks**

11. Bone cement.
12. Hydrocele.
13. Protection from radiation in OT.
14. Methylene blue.
15. Surgical staplers.
16. Reinforced endotracheal tubes.
17. Bone graft.
18. Craniotomy.
19. Mannitol.
20. Fracture table.
21. K-wire.
22. Closed reduction of colles fracure.

