

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

**B.Sc. Allied Health Sciences Third Year (Semester-V)**  
**February 2019 Examination**  
**B.Sc. 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. Enumerate the peripheral supporting areas in a ot complex .discuss the role of each.
2. potential sources of injury to the patient in operation theater and its precaution.

**SHORT ESSAY(Answer any six )**

**6X5=30 Marks**

3. Dry heat sterilization.
4. Define disinfection.
5. Autoclaving.
6. Write about ot layout?
7. Infection control in OT.
8. Airway fires.
9. Bioburden.
10. write about of role of theatre assistance.

**SHORT ANSWERS (Answer any ten)**

**10X3=30 Marks**

11. Hazards in laser surgery.
12. Physical indicators.
13. Define methods of waste disposal.
14. define thermal sterilization.
15. Hydrogen peroxide.
16. fire plan.
17. Steam sterilization monitoring.
18. Needle stick injury prevention.
19. define chemical sterilization.
20. Personal complication of EO exposure?
21. Define hand washing devices.
22. Blood borne pathogens.

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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. Describe minimum mandatory monitoring required in OT
2. Describe the pre op preparation of patient for emergency LSCS

**Short Essay (Answer Any Six)**

**6X5=30 Marks**

3. Written informed consent
4. Uses of thoracic USG
5. Serum electrolytes
6. Components of anaesthesia machine
7. Common position for patient under anaesthesia
8. Biers block
9. Name few IV induction agents and write the uses of propofol
10. Precautions to be taken before and during blood transfusion

**Short Answers (Answer Any ten)**

**10X3=30 Marks**

11. Oropharyngeal airways
12. Local anaesthetics
13. Romovac drain
14. Trendelenburg position and precautions to be taken
15. Benzodiazepines
16. Name few inhalation anaesthetic drugs
17. Types of laryngoscopes
18. AMBU
19. Flowmeters
20. Maintenance of anaesthesia
21. Name few blood products
22. Inotropic drugs

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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. Briefly explain about ortho-surgical operation.
2. Explain about preparation for laproscopic assisted vaginal hysterectomy – O.T preparation and patient preparation.

**SHORT ESSAY(Answer any six)**

**6X5=30 Marks**

3. Types of suture materials
4. How do you set a trolley for supra pubic prostatectomy
5. Nursing requirement in OT
6. Enumerates various instruments used for caesarean section operation
7. Explain about GCS
8. Positioning in neuro-surgery
9. Prevention of hepatitis -B infection in OT
10. Ethilon

**SHORT ANSWERS (Answer any ten)**

**10X3=30 Marks**

11. Intravenous fluids
12. Allis forceps
13. Urinary bladder catheterization
14. Hip compression screw
15. Vicryl
16. Neostigmine
17. CPR
18. Ovum forceps
19. Spinal needle
20. CSF
21. Capnography
22. Dopamine