



**B.Sc. Allied Health Sciences Second Year Semester-V**

**March 2025 Examination**

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

**Time: 2.30 Hrs.**

**Paper –II**

**[Max. Marks: 80]**

**Subject: Operation Theatre Technology Applied**

**Q.P Code: J5180**

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

*Draw neat labelled diagrams wherever necessary.*

**LONG ESSAY**

**2 X 10 = 20 Marks**

1. Define Anaesthesia. Mention different types of Anaesthesia. What are the indications & Contraindications for Spinal Anaesthesia?
2. What are the different methods used for Post-Operative analgesia. Write in detail about Epidural anaesthesia for post-operative pain.

**SHORT ESSAY (Answer any Six)**

**6 X 5 = 30 Marks**

3. Ketamine – Uses, routes of administration & contraindications
4. Complications of Central Venous Cannulation
5. Preparation for supraclavicular brachial plexus block.
6. Modified Aldrete score
7. Laryngeal mask airway.
8. Bain's circuit – mention its parts, working principle and sterilization
9. Stages of Ether Anaesthesia
10. High quality CPR

**SHORT ANSWERS (Answer any Ten)**

**10 X 3 = 30 Marks**

11. Spinal Needle
12. Color coding of cylinders
13. Name three pre-anesthetic medications.
14. Mention three complications of spinal anaesthesia
15. Magill's forceps
16. Five moments of hand hygiene
17. Hanger – Yoke assembly
18. Oral airway
19. Name the basic mandatory monitoring in operation theatre
20. Three uses of Propofol
21. Different sites for central venous Cannulation
22. Reversal agents for neuromuscular recovery

# **SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH**

(A DEEMED TO BE UNIVERSITY)



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

**March 2025 Examination**

### **B.Sc. Operation Theatre Technology**

**Time: 2.30 Hrs.**

**[Max. Marks: 80]**

#### **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. How do you arrange a trolley for laparoscopic cholecystectomy, enumerate instruments name
2. Discuss the pre-operative preparation and anesthetic management of a patient for TURP surgery.

#### **SHORT ESSAY (Answer any six)**

**6X5=30 Marks**

3. CABG
4. Post tonsillectomy position?
5. Supine position.
6. Cystoscopy.
7. TURP- complications
8. Laparoscopic assisted tubectomy
9. Anaesthesia for renal transplant
10. Laryngeal mask airway

#### **SHORT ANSWERS (Answer any ten)**

**10X3=30 Marks**

11. Checklist for blood transfusion.
12. Tourniquet.
13. Babcock's forceps.
14. Complications of long bone surgery.
15. Bone cement.
16. Catheter-related blood stream infection.
17. Post-operative pain management in PCNL.
18. Orchiectomy.
19. What are the advantages of spinal anesthesia in an obstetric patient?
20. Trolley set-up for LSCS.
21. Absorbable sutures.
22. Vicryl.



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

**B.Sc. Allied Health Sciences Second Year Semester-V**

March 2025 Examination

**B.Sc. Anesthesia and Operation theatre Technology**

Time: 2.30 Hrs.

[Max. Marks: 80]

**Subject: Anesthesia and Operation Theatre Technology-Clinical**

**Q.P Code: K5171**

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

*Draw neat labelled diagrams wherever necessary.*

**LONG ESSAY QUESTIONS**

**(2x10=20)**

1. Explain the biochemistry investigations, Write anaesthetic impact on smoking and Alcoholic patients.
2. What are the sterilization methods? Write a note principle of sterile technique.

**SHORT ESSAY QUESTIONS**

**(6x5=30)**

3. Universal precautions in ICU
4. Preoperative Assessment of Patients for cardiac surgery
5. Etomidate in Cardiac Surgery
6. Write a note on Guedel Airway with neat diagram
7. Define NIBP, write various BP Cuff sizes in OR
8. Mention the peripheral support areas, add a note on Restricted area

**SHORT ANSWER QUESTIONS**

**(10x3=30)**

9. Complications of Laryngoscope
10. Radiation sterilization.
11. Define Decontamination in CSSD
12. Agents used for chemical disinfection for sterilization of anaesthesia equipment's
13. Define confirmations of Endotracheal tube
14. Write the uses of Soda lime in closed circuit
15. Formaldehyde OR
16. Name the AMBU Bag parts.
17. LMA uses in Anaesthesia Practice
18. Magil forceps uses in OR.



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

**B.Sc. Allied Health Sciences Second Year Semester-V**

**March 2025 Examination**

**B.Sc. Anesthesia and Operation theatre Technology**

**Time: 2.30 Hrs.**

**[Max. Marks: 80]**

**Anesthesia and Operation Theatre Technology-Applied**

**Q.P Code: K5172**

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

*Draw neat labelled diagrams wherever necessary.*

**LONG ESSAY QUESTIONS**

**2X10=20 Marks**

1. Write a long essay on premedication, Name what are the drugs used and their effects in perioperative.
2. Classify Local anaesthetic agents. How will you identify and treat local anaesthetic systemic toxicity, write a short note on EMLA

**SHORT ESSAY QUESTIONS**

**6X5=30 Marks**

3. How do you prepare a tray for securing central venous cannula in ICU?
4. Write a short note on Nil per oral guidelines.
5. Add a short note on Sir Evan Magil
6. Mention Safety features in anaesthesia cylinder.
7. Write a short note on bradycardia and tachycardia in detail.
8. Write the ultrasound uses in ICU in detail.

**SHORT ANSWER QUESTIONS**

**10X3=30 Marks**

9. Define Vecuronium and its uses in OR.
10. Name three IV cannula are used in ICU.
11. Name three indications for transfusion of Fresh frozen plasma
12. Name three contraindications of Ketamine
13. Name three types of laryngoscope blades.
14. Write a labeled diagram of classic LMA
15. How do you confirm endotracheal tube placement.
16. Name three indication for Ryle's tube placement.
17. Name three Complications of spinal anaesthesia.
18. Name three anaesthesia equipment's are using in MRI suit.



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

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

**March 2025 Examination**

**B.Sc. Anesthesia and Operation theatre Technology**

**Time: 2.30 Hrs.**

**[Max. Marks: 80]**

**Anesthesia and Operation Theatre Technology-Advanced**

**Q.P Code: K5173**

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

*Draw neat labelled diagrams wherever necessary.*

**LONG ESSAY QUESTIONS**

**(2X10=20)**

1. Explain in brief about the preoperative anesthetic preparations of patient posted for breast surgery
2. 45 year Female posted for Open Heart Surgery, what is the Choice of Anaesthesia and how do you prepare OR.

**SHORT ESSAY QUESTIONS**

**(6X5=30)**

3. Define COPD, write about its risk factors and management.
4. Define hypertension and its types, write about perioperative Management of hypertension.
5. Write a short note on tourniquet uses in orthopedic Surgery
6. Define PCNL, add a short notes on choice of anaesthesia.
7. Pulmonary Function Test
8. Classify Foleys catheter, write about indications and procedure.

**SHORT ANSWERS QUESTIONS**

**(10X3=30)**

9. Supine position.
10. Post-operative care in orthopedic surgical Patient.
11. Naso-gastric tube
12. Position for Endotracheal intubation
13. Suture materials.
14. Lead Apron
15. Maintenance and care for suction machine.
16. Draping material and their uses.
17. Sterilization of laparoscopic instruments.
18. Check of surgical instruments for surgery.

\* \* \* \*