



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

**(A DEEMED TO BE UNIVERSITY)**

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

**September - 2023 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. Describe briefly about the safety features of anaesthesia machine
2. How will you assess a patient's airway and how will you prepare for an anticipated difficult airway.

**SHORT ESSAY (Answer any Six)**

**6 X 5 = 30 Marks**

3. How will you monitor a patient intraoperatively.
4. Atropine – uses, dose and routes of administration.
5. Draw a neat labelled diagram of endotracheal tube. Explain in detail about flexometallic tube.
6. Mention the different causes for delayed recovery from anaesthesia and how do you treat them.
7. ASA physical status classification.
8. AMBU bag - write a neat labelled diagram and mention its uses.
9. Complications of supraclavicular brachial plexus block.
10. Colour coding of IV cannula and infusion rate in each type of cannula

**SHORT ANSWERS (Answer any Ten)**

**10 X 3 = 30 Marks**

11. Mention important steps in basic life support
12. Nasal airway
13. Three uses of Pulse-oximeter.
14. Mention three modes of administering postoperative analgesia
15. Mention uses of ketamine.
16. Cleaning and sterilization of fiberoptic bronchoscope
17. Causes for hypertension in the intraoperative period.
18. Classify local anaesthetic agents.
19. Preparation for IV Cannulation.
20. Three uses of ultrasound in anaesthesia.
21. Complications of epidural anaesthesia.
22. Mention three difficulties you anticipate in obese patients.

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**[Max. Marks : 80]**

**PAPER-III**

**Subject: 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**

**2 X 10 = 20**

1. Briefly explain about Ortho-surgical operation
2. What is laryngospasm. Explain the management

**SHORT ESSAY (Answer any six)**

**6X5=30**

3. Types of suture materials
4. Glasgow coma scale
5. Prevention of hepatitis B infection in OT
6. Natural methods of sterilization
7. Trolley set up for ureteric calculus surgery (URSL surgery)
8. Air embolism
9. IJV cannulation
10. Blood transfusion complications

**SHORT ANSWERS (Answer any ten)**

**10X3=30**

11. Bone cement
12. Reinforced endotracheal tube
13. Hydrocele
14. Fracture table
15. Dressing material and their uses
16. Maintenance and care of suction machine
17. Lithotomy position
18. Surgical staples
19. Caesarian section complications
20. Protection of patient in surgery
21. Irrigating fluid in urological surgeries
22. Post-op complications of TURP

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