



SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

B.Sc. Allied Health Sciences Third Year Semester-VI

November 2024 Examination

B.Sc. Anesthesia & Operation Theatre Technology

Time: 2.30 Hrs.

[Max. Marks : 80]

PAPER-I

Operation Theatre Technology Clinical

Q.P Code : J6200

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Long Essay

2 X 10 = 20 Marks

1. Preoperative preparation before Laparoscopic Cholecystectomy. How do you keep the OR ready for Laparoscopic Cholecystectomy?
2. How do you prepare the OR for an Esophageal surgery and the instruments used?

Short Essay (Answer any Six)

6 X 5 = 30 Marks

3. How do you prepare OT for a pancreatic procedure and the instruments used?
4. What are the various type of breast procedure done and describe in detail the instruments used in breast surgeries.
5. Sterilization and disinfection of surgical instruments
6. Describe in detail about powered surgical instruments
7. How do you prepare OT for bariatric surgeries and the instruments used?
8. Tracheostomy-types and in brief about Tracheostomy set
9. How do you prepare OT for a Nephrectomy and the instruments used and patient position?
10. OT table setting for Prostate surgeries

Short Answers (Answer any Ten)

10 X 3 = 30 Marks

11. General anesthesia drugs
12. Instruments used in esophageal procedures.
13. Silk -suture material
14. Microvascular instruments
15. Care of Endoscope
16. Instruments used in splenic procedures.
17. Ryle's tube
18. Circulating nurse
19. Three different types of endoscopes.
20. Describe the parts of laparoscope which is used in laparoscopic surgery
21. CRBSI(Catheter related blood stream infections)
22. LASER in surgery



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PAPER-II

Operation Theatre Technology Applied

Q.P Code: J6210

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Long Essay

2 X 10 = 20 Marks

1. Indications, precautions and adverse effects of blood transfusion.
2. How will you assess a patient who is unresponsive? What are the components of a high-quality CPR

Short Essay (Answer any Six)

6 X 5 = 30 Marks

3. Pin-index safety system.
4. What history will you elicit from the patient in pre-anesthetic checkup?
5. Treatment of local anesthetic systemic toxicity.
6. Rapid sequence induction.
7. Succinylcholine dose, uses and contraindications.
8. Difficult airway cart.
9. How will you check the functioning of Bain's circuit?
10. Causes and treatment of intraoperative hypertension.

Short Answers (Answer any Ten)

10 X 3 = 30 Marks

11. Rocuronium.
12. Mention different sites for central venous cannulation.
13. Pre-oxygenation.
14. Venturi mask
15. Three drugs used for day care surgery.
16. Components of balanced anaesthesia.
17. Complications of aspiration.
18. Classify neuro muscular blocking agents.
19. Colour coding of cylinders.
20. How will you examine the airway in a patient posted for surgery?
21. Dobutamine.
22. Parts of laryngeal mask airway.

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PAPER-III

Operation Theatre Technology Advanced

Q.P Code: J6220

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Long Essay

2 X 10 = 20 Marks

1. Write in brief how you will get a theatre ready for a renal transplant recipient.
2. Write the indication, contraindication and steps for Laparoscopic appendectomy. Write the Complications of Laparoscopy

Short Essay (Answer any Six)

6 X 5 = 30 Marks

3. Surgical scrub
4. Describe double lumen endotracheal tube
5. Preoperative evaluation of patient undergoing Cardiac surgery
6. How will you prepare the OT for spinal anesthesia
7. Post-operative complications of thyroid surgery
8. PCNL
9. LSCS
10. Intercostal drainage tube care

Short Answers (Answer any Ten)

10 X 3 = 30 Marks

11. Cataract surgery
12. Craniotomy
13. Sponge holding
14. Postoperative nausea and vomiting
15. Lithotomy position
16. Preparation of a patient for bronchoscope
17. Bone fractures
18. ESU
19. Lead apron
20. Urine catheterization
21. Tonsillectomy
22. Care of tracheostomy patient.

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PAPER-I

Anesthesia and Operation Theatre Technology-Clinical

Q.P Code: K6181

Your answers should be specific to the questions asked.

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LONG ESSAY QUESTIONS

(2x10=20)

1. How do you classify the surgical instruments .Describe each instrument in detail and its uses.
2. What are indications, contraindications, and surgical procedure of cholecystectomy?

SHORT ESSAY QUESTIONS

(6x5=30)

3. Patient identification
4. Fabrication
5. How do you testing the Gas supply
6. Vaporizes
7. Difficult intubation
8. Write about tray set up of Epidural anaesthesia

SHORT ANSWER QUESTIONS

(10x3=30)

9. What are the common indications for an ultrasound scan?
10. Postoperative airway complications
11. Artificial airway
12. Liver biopsy
13. Mastectomy
14. NPO Guidelines
15. Dobutamine
16. Portable suction unit
17. Holmium Laser
18. Vaporizes.



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PAPER-II

Anesthesia and Operation Theatre Technology-Applied

Q.P Code: K6182

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary

LONG ESSAY QUESTIONS

2X10=20 Marks

1. Write in detail about the various parts of anaesthesia machine
2. Write in detail about the various post-operative complications after general anaesthesia.

SHORT ESSAY QUESTIONS

6X5=30 Marks

3. Ketamine and its uses
4. Brachial plexus block
5. Define (a) Intubation (b) Extubation.
6. Thiopentone
7. Define manifold room.
8. ETCO₂ monitoring

SHORT ANSWER QUESTIONS

10X3=30 Marks

9. Triple maneuver
10. PONV
11. Epidural catheter
12. Post-operative shivering
13. Defibrillator
14. Bain circuit.
15. Half NS
16. CVP
17. Bradycardia
18. NIPP.



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PAPER-III

Anesthesia and Operation Theatre Technology-Advanced

Q.P Code: K6183

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary

LONG ESSAY QUESTIONS

(2X10=20)

1. Discuss the preoperative preparation and anaesthetic management of patient posted for emergency lower segment caesarian section.
2. Explain the pre operative preparation and anaesthetic management of a patient for craniotomy surgery.

SHORT ESSAY QUESTIONS

(6X5=30)

3. FESS
4. Indication of using double lumen tubes
5. APGAR score
6. Prevention of hypothermia in new born
7. Monitoring in cardiac anaesthesia
8. Bone fracture

SHORT ANSWERS QUESTIONS

(10X3=30)

9. ACLS
10. Protamine
11. Arterial line care
12. PCNL
13. Cystoscopy
14. Indications for total hip replacement.
15. Kidney stone
16. Epidural kit
17. LMA
18. Heparin