

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

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

September 2023 Examination

B.Sc. Anesthesia & Operation Theatre Technology

Time : 2.30 Hrs.

[Max. Marks : 80]

PAPER-I

Operation Theatre Technology-Clinical

Q.P Code : J6200

Long Essay

2 X 10 = 20 Marks

1. How do you classify the surgical instruments .Describe each instrument in detail and its uses
2. How do you keep the OR ready for Whipple's surgery

Short Essay (Answer any Six)

6 X 5 = 30 Marks

3. Care of OT table
4. Describe briefly unipolar and bipolar diathermy.
5. Airway fires with the use of LASER
6. Describe in detail about powered surgical instruments
7. Microsurgery.
8. TURP
9. Surgical drain.
10. Describe briefly about fabrication of instruments

Short Answers (Answer any Ten)

10 X 3 = 30 Marks

11. Betadine
12. Instruments used in esophageal procedures.
13. Catgut
14. Microdochectomy
15. Describe briefly LASER.
16. Scalpel or surgical knife
17. Abdominal mops
18. Write briefly about handling instruments
19. Three different types of endoscopes.
20. Infusion pumps
21. Vascular clamps
22. Circulating nurse

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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. How will you monitor a patient in PACU (Post-Anesthesia Care Unit). Write about modified Aldrete score?
2. Draw a neat labelled diagram of LMA (Laryngeal Mask Airway). Mention the steps of LMA insertion.

Short Essay (Answer any Six)

6 X 5 = 30 Marks

3. How will you manage post-operative shivering.
4. Components of high-quality CPR
5. Consent for anaesthesia.
6. Capnography.
7. ASA physical status classification.
8. How will you treat intraoperative bronchospasm?
9. Routes of administration, dosage, uses and contraindications of ketamine.
10. Preparation for supraclavicular brachial plexus block.

Short Answers (Answer any Ten)

10 X 3 = 30 Marks

11. Magill's forceps
12. Steps in IV cannulation.
13. Disinfection of fiberoptic bronchoscope.
14. Five moments of hand hygiene
15. Colour coding of IV cannula
16. Spinal tray.
17. Minimal alveolar concentration.
18. Oral airways.
19. Etomidate.
20. Components of blood.
21. Pethick's test.
22. Mention three opioid analgesics.

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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. How will you lay a trolley for Thyroidectomy .what are postoperative complications
2. How do you prepare OT for a Thoracic surgery.

Short Essay (Answer any Six)

6 X 5 = 30 Marks

3. Pulmonary aspiration
4. Three uses of capnogram in general anaesthesia
5. Heart lung machine
6. What are the instruments to be kept ready for vascular surgeries
7. Post-operative complications of tonsillectomy
8. How do you prepare OT for Breast surgery
9. Instruments for Varicose vein surgery
10. OT table setting for head and neck surgery

Short Answers (Answer any Ten)

10 X 3 = 30 Marks

11. Postdural puncture head ache
12. Post-operative complications after Hemorrhoidectomy
13. Massive blood transfusion
14. Three precautions during ophthalmic surgeries under general anaesthesia
15. Special care of sharp instruments
16. Preparation of a patient for Rectal surgery
17. Liver function tests
18. WTG Morton
19. Donning and Doffing of Gown
20. Intercostal drainage tube
21. Instruments for Eye surgeries
22. Name the instruments to be kept ready for Orthopedic surgery

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