

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

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

March 2021 Examination

B.Sc. Anaesthesia & 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. Describe the general principles of sterilization. Write an elaborate notes on moist and dry heat sterilization.
2. Classify hospital waste. Discuss the components of waste management with special mention about the colour coded bins

SHORT ESSAY (Answer any six)

6X5=30 Marks

3. Describe the operation theatre air-condition system.
4. Define the role of theatre assistant in monitoring safety of OT
5. Describe the general function of operation theatre
6. Sterilization of catheters and tubes.
7. Hand washing principles.
8. Prevention of hospital acquired infection.
9. Post exposure prophylaxis
10. Autoclaving

SHORT ANSWERS (Answer any ten)

10X3=30 Marks

11. Post operative care.
12. Biological indicators
13. Droplet infection
14. Carbolization
15. Fumigation
16. Discuss the steps of surgical hand scrub.
17. How will you disinfect of gloves
18. Define sterilization
19. Radiation sterilization
20. Nosocomial infection
21. What is antisepsis?
22. Hot air oven



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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 the methods of administration of GA and Guedels stages of anaesthesia
2. Preoperative preparation of patient posted for emergency exploratory laparotomy

Short Essay (Any Six)

6X5=30 Marks

3. Nil per oral guidelines
4. Write a note on things to be kept ready on anaesthesia machine
5. How do you prepare a tray for securing IV line
6. Uses of abdomino-pelvic USG
7. Types of endoscopic procedure Urogenital system
8. Choice of anaesthesia for epigastric hernia
9. Magill's
10. Ankle block

Short Answers (Any ten)

10X3=30 Marks

11. Isoflurane
12. Colour coding in spinal needles
13. Ketamine
14. Hemacel
15. NIBP
16. Lithotomy position and precautions to be taken
17. Foleys catheter
18. Name 3 local anaesthetic used in spinal anaesthesia
19. Name 3 variants of LMA
20. Name 3 sedatives used in anaesthesia
21. Epidural catheter
22. Fresh frozen plasma



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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. How do you arrange a trolley for laparoscopic cholecystectomy, enumerate instruments name
2. Precaution during surgery of HIV positive patient

SHORT ESSAY (Answer any six)

6X5=30 Marks

3. Pre operative instruction's for a diabetic patient posted for hernia?
4. Post tonsillectomy position ?
5. Prone position .
6. Cystoscopy .
7. Cardiac monitoring.
8. Laproscopic assisted tubectomy
9. Knee arthroscopy
10. Laryngeal mask airway

SHORT ANSWERS (Answer any ten)

10X3=30 Marks

11. Massive blood loss during surgery.
12. The trolley set-up for TUR of prostate.
13. Post operative monitoring for a neurosurgical patient.
14. Complications of long bone surgery.
15. Problems with bone cement.
16. Catheter-related blood stream infection.
17. Post-operative pain management in PCNL.
18. Irrigating fluid in urological practice.
19. What are the advantages of spinal anesthesia in an obstetric patient?
20. Trolley set-up for a neurosurgery.
21. Non-absorbable sutures.
22. Post-operative complications of a TUR-P.

