

**Time : 3 Hrs.**

**[Max. Marks : 100]**

**PAPER –I**

**OPERATION THEATRE TECHNOLOGY-CLINICAL**

**Q.P Code : AHS-121**

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

*Draw neat labelled diagrams wherever necessary.*

**LONG ESSAY (Answer any Two)**

**2 X 10 = 20 Marks**

1. Write on autoclaving.
2. How do you prevent fire in the OR?
3. How do you design a safe OR?

**SHORT ESSAY (Answer any Ten)**

**10X 5 = 50 Marks**

4. Set up Urology OR.
5. How do you scrub for an orthopedics case?
6. Surgical asepsis – principles.
7. Write about layout?
8. What are the ignition sources and how do you control them, to prevent fire.
9. Decontamination and sterilization of tracheal tubes.
10. Define disinfection and the types of disinfection.
11. Factors influencing chemical disinfection.
12. Phenols.
13. Indicators for EO sterilization.
14. How do you sterilize rigid laryngoscopes?
15. Cross infections in the OR.

**SHORT ANSWERS (Answer any Ten)**

**10 X 3 = 30 Marks**

16. Electrical faults in the OR.
17. Monitoring chemical disinfection.
18. Hydrogen peroxide.
19. Personnel complication of EO exposure.
20. Electrosurgical unit.
21. Smoke hazards in the OR.
22. Laser fires.
23. How do you disinfect anesthesia machines?
24. Define bactericide, bacteriostat.
25. Scavenging system.
26. Packing of instruments for sterilization.
27. Electrical shock.

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

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

**B.Sc. Operation Theatre Technology (OTT)**

February / March - 2018 Examination

**Time : 3 Hrs.**

**[Max. Marks : 100]**

**PAPER –II**

**OPERATION THEATRE TECHNOLOGY-APPLIED**

**Q.P Code : AHS-122**

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

*Draw neat labelled diagrams wherever necessary.*

**LONG ESSAY (Answer any Two)**

**2 X 10 = 20 Marks**

1. What is emergency tray and what it should contain?
2. Explain the Combined spinal and epidural anaesthesia and its uses.
3. How do you prepare the OT for laparotomy?

**SHORT ESSAY (Answer any Ten)**

**10X 5 = 50 Marks**

4. Name five opioids and its routes of administration.
5. Epidural and spinal needles.
6. Minimum monitoring required in OT.
7. Prepare the patient for MRI.
8. Name depolarizing and non-depolarizing muscle relaxants.
9. Precautions to be taken before and during blood transfusion.
10. Name two volatile anaesthetics and their advantages.
11. Prepare the patient for colonoscopy.
12. Pre-operative instructions for an hypertensive patient posted for elective surgery.
13. What is pre- medication?
14. What are the minimum investigations required for a diabetic patient.
15. Post – operative nausea and vomiting?

**SHORT ANSWERS (Answer any Ten)**

**10 X 3 = 30 Marks**

16. Mucus sucker.
17. Nitrous oxide.
18. Oxygen concentrator.
19. Urosac bag
20. Neuromuscular monitoring.
21. Midazolam.
22. Propofol.
23. Ephedrine.
24. Clonidine.
25. Neostigmine.
26. Defibrillator.
27. Laryngoscopy.

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February / March -2018 Examination

**Time : 3 Hrs.**

**[Max. Marks : 100]**

**PAPER –III**

**OPERATION THEATRE TECHNOLOGY-ADVANCED**

**Q.P Code : AHS-123**

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

*Draw neat labelled diagrams wherever necessary.*

**LONG ESSAY (Answer any Two)**

**2 X 10 = 20 Marks**

1. Explain type of anaesthesia for thyroid surgery and positioning of the patient for the same.
2. What is Laryngospasm and how do you treat this condition?
3. Explain Lower segment cesarean section's table setting and suture materials used.

**SHORT ESSAY (Answer any Ten)**

**10X 5 = 50 Marks**

4. Pre-operative instruction's for a diabetic patient posted for hernia.
5. Post tonsillectomy position.
6. Prone position.
7. Cystoscopy.
8. Cardiac monitoring.
9. Laparoscopic assisted tubectomy.
10. Knee arthroscopy.
11. Laryngeal mask airway.
12. Supra-pubic cystostomy.
13. Informed consent.
14. Airway management.
15. Close reduction of shoulder dislocation.

**SHORT ANSWERS (Answer any Ten)**

**10 X 3 = 30 Marks**

16. Intravenous fluids.
17. Allis forceps.
18. Urinary bladder catheterization.
19. Hip compression screw.
20. Vicryl.
21. Neostigmine.
22. CPR.
23. Ovum forceps.
24. Spinal needles.
25. CSF.
26. Capnography.
27. Dopamine.