

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

**April 2016 Examination**

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

**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. What is the fire triangle? List the source of ignition.
2. What are the sterilization methods? Write on steam sterilization.
3. How to design an OR complex in a medical college?

**SHORT ESSAY (Answer any Ten)**

**10X 5 = 50 Marks**

4. Universal precautions.
5. Biological indicators.
6. Dry heat sterilization.
7. Airway fires.
8. Problems with steam.
9. Laser resistant endotracheal tubes.
10. Mention the peripheral support areas.
11. Formaldehyde.
12. Radiation sterilization.
13. Barriers.
14. Decontamination.
15. Mention the fuels for fire in the OR.

**SHORT ANSWERS (Answer any Ten)**

**10 X 3 = 30 Marks**

16. Agents used for chemical disinfection.
17. Physical indicators.
18. Personnel risks in the OR.
19. Fire plan in the OR.
20. Steam sterilization monitoring.
21. Blood borne pathogens.
22. Decontamination and sterilization of LMAs.
23. Needlestick injuries.
24. Choice of fire extinguishers in the OR.
25. Defibrillator-as a source of fire.
26. Glutaraldehyde.
27. Advantages of gas sterilization.

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

**(A DEEMED TO BE UNIVERSITY)**

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

**Operation Theatre Technology (OTT)**

**April 2016 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. Explain neuromuscular junction with a diagram and name drugs acting at this site.
2. What is pre-operative check list and informed consent?
3. How do you prepare the patient for ECT and explain the ECT procedure and anaesthesia.

**SHORT ESSAY (Answer any Ten)**

**10X 5 = 50 Marks**

4. Name five opioids and its routes of administration.
5. Local anaesthetic drugs.
6. Basic investigations.
7. Prepare the patient for gastroscopy.
8. General anaesthesia.
9. Pre-operative instructions for a diabetic patient for elective surgery.
10. Prepare the patient for abdominopelvic ultrasonography.
11. Types of laryngoscopes and write two sentences about them.
12. Minimum monitoring requirements inside the OT.
13. Choice of anaesthesia for an adult emergency appendicectomy.
14. Digital block.
15. Bain's breathing system.

**SHORT ANSWERS (Answer any Ten)**

**10 X 3 = 30 Marks**

16. Mucus sucker.
17. Endotracheal tube.
18. Oral airway.
19. Enema.
20. Ryle's tube.
21. Romovac.
22. Epidural catheter.
23. Vecuronium.
24. Thiopentone sodium.
25. Ventilators.
26. Glycopyrolate
27. Abdominal retractors.

\* \* \*

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

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

**Operation Theatre Technology (OTT)**

April 2016 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. Discuss the preoperative preparation and management of patient posted for emergency lower segment cesarian section.
2. Discuss the preopertaivre preparation and anaesthetic management of a patient for TURP surgery.
3. Describe in detail precautions taken during prone position, enumerate various surgeries done in prone position.

**SHORT ESSAY (Answer any Ten)**

**10X 5 = 50 Marks**

4. Absorbable suture material.
5. Uses of microscope in surgery.
6. Tourniquet.
7. Babcock's forceps.
8. Phimosis.
9. Foleys catheter.
10. Skin sutures.
11. Orchidectomy.
12. External fixater.
13. Electrocautery.
14. Cystoscopy.
15. Types of bone drills.

**SHORT ANSWERS (Answer any Ten)**

**10 X 3 = 30 Marks**

16. Bone cement.
17. Hydrocoel.
18. Protection from radiation in OT.
19. Methylyne blue.
20. Surgical staplers.
21. Reinforced endotracheal tubes.
22. Bone graft.
23. Craniotomy.
24. Mannitol.
25. Fracture table.
26. K-wire.
27. Closed reduction of colles fracure.

\* \* \*