**OBJECTIVES:**

At the end of the course, the candidate will –

- Acquire the updated knowledge what OT for, and what are the core activities
- Also will know the location and plan of an ideal OT
- Acquired the updated knowledge on Inventory management
- Anesthesia techniques
- Maintenance part of OT for equipment as well as Engineering.
- Acquired the updated knowledge on surgical procedures and different positions of patient.

**SYLLABUS:**

1. Role of OT Technician in Operation Theatre: Preparation, Planning and Maintenance.
2. Anatomy and Physiology of Cardiovascular System.
3. Microbiology and its implication with respect to OT.
4. Infection Control and Its importance in surgical procedure.
5. Introduction to Bacteriology, virology and Immunology.
6. Knowledge and Prevention of Hospital acquired infection.
7. Care and Arrangement of Equipment
8. Drugs Preparation
9. Bed Making
10. Distribution of consumables and drugs

11. Decontamination: Scientific Principles

12. Decontamination: Recommended Practices

13. Endoscopes and its Sterilization

14. Surgical Procedures

15. Indenting, receiving and maintaining consumables.

16. Assisting for different surgical procedure.

17. Surgical suture material.

18. Different Methods of Anesthesia.

19. Fire alarm system and fire prevention.


21. Types, setting & uses of surgical equipment.

22. Carbonization and Maintenance of surgical equipment.

Reference Books:


2. Hand book on Operation Theatre & Asepsis Published by Cochin Ophthalmic Club COC-CME Series 2, 2013

3. Recommended Guidelines for CSSD 1st Edition Published July 2008, Hospital Sterile Services Association (India)

4. Teaching and Training for Sterile Services Personnel ISSM

5. Introduction to Sterilization and Disinfection by Gardner and Peel

7. OT Technician Training Module of Department

8. Hand book on Operation Theatre & Asepsis Published by Cochin Ophthalmic Club COC-CME Series 2, 2013


10. Guide to Care and Maintenance of Surgical Instrumentation @1995 Scanlan International, Inc

**Trimester II**

**Objectives:**

At the end of the Trimester the candidate will be

1. Acquired the updated knowledge of OT Preparation and its importance

2. able to understand different process of Operation Theatre

3. Be able to identify surgical sets and its instruments as per the requirement of the operating surgeons.

4. ability to prepare drugs and anaesthesia articles.

**Syllabus:**

1. Hands on for preparation of OT.

2. Identification of anaesthesia and surgical equipments

3. Preparation of emergency drugs

4. Receiving of Patient.
5. Surgical Hand Wash.

6. Preparation of Bed and other equipments.

**Reference Books:**

1. OT Technician Training Module of Department

2. Hand book on Operation Theatre & Asepsis Published by Cochin Ophthalmic Club COC-CME Series 2, 2013


4. Guide to Care and Maintenance of Surgical Instrumentation @1995 Scanlan International, Inc

**Trimester III**

**Objectives:**

At the end of the Trimester the candidate will be

1. Acquired the updated knowledge on OT technique.

2. Monitoring techniques

3. Quality assurance program

**Syllabus:**

1. Quality assurance infection control-traffic control

2. Preparation of standard disinfectant

3. Supervision on HK personnel

4. Receiving material from CSSD and co-ordination.

5. Arrangement of CU
6. Fumigation

7. Physical / Chemical / Biological Indicators

8. Sterile Storage and distribution

9. Importance of documentation

10. Sterilizer Validation.

11. Inventory management of surgical instruments

12. Inventory management of consumables

**Reference Books:**

1. Sterilization Technology for the health Care Facility from AN ASPEN PUBLICATION.

2. Hand book on Operation Theatre & Asepsis Published by Cochin Ophthalmic Club COC-CME Series 2, 2013

3. Recommended Guidelines for CSSD Ist Edition Published July 2008, Hospital Sterile Services Association (India)

4. The Guide to Good Manufacturing Practices in National Health Services, Sterile Service Departments ISSM

5. Teaching and Training for Sterile Services Personnel ISSM

6. Introduction to Sterilization and Disinfection by Gardner and Peel


8. Guide to Care and Maintenance of Surgical Instrumentation @1995 Scanlan International, Inc