

S.NO.	SYLLABUS
1.	Basic computer and information science including data entry and management on electronic Health record systems.
2.	Quality indicators (OT/ ICU/ CSSD) as per NABH guidelines.
3.	Patients safety- Basic Emergency care and life support, infection prevention and control, Biomedical waste management, Disaster management, triage, universal precautions, antibiotics resistance.
4.	Basic and applied Human anatomy.
5.	Basic and applied Human Physiology.
6.	Laboratory Science- acid, base and electrolytes balance, glucose hemostasis.
7.	Clinical pharmacology in related to anesthesia/ ICU/ emergency.
8.	Principles of anesthesia- Medical Gas supply, Anesthesia Machines and equipments, ventilators and their working principle, monitoring of anesthesia.
9.	Basic Anesthesia Technique- History, preoperative preparation and investigation, American Society Of Anesthesia (ASA) grading, consent, machine check, Emergency Drugs, General Anesthesia Administration, Intra Operative Management, Post-Operative complication and management.
10.	Regional Anesthesia Technique- Local Anesthesia technique, Nerve block, Spinal anesthesia, Epidural anesthesia, Caudal anesthesia.
11.	CSSD procedure, use of disinfection, sorting and classification of equipments, cleaning procedure, wrapping of material, sterilization principles and techniques.
12.	Medical Law and Ethics.
13.	Medical Terminology and record keeping.
14.	Basic of Surgical procedure- blood transfusion, para surgical equipments, positioning of various surgeries with their problem and hazards, hypo/ hypothermia.
15.	Advance anesthesia techniques- requirement and management of advance surgeries and difficult Airway, care and maintenance of Para-surgical equipment, specialized anaesthesia equipment and life saving equipment.
16.	Basic intensive care.
17.	Specialized anesthesia and surgery- Techniques, equipments, procedure and instruments, monitoring technique and equipment and positioning for advanced surgeries of Neuro, Cardiac, organ transplant, pediatric, neonatal, burn, craniofacial, joint replacement surgery, perforating eye injury, etc.

8.	Electronics and technology in surgery and anesthesia- electrical safety precaution in operation theater, electronic electric equipment (OT Tables, suction machines, Diathermy machine, etc.), electrical safety, application and handling, computer data processing, hospital information system.
10.	Clinical microbiology and pharmacology.
20.	Biochemistry- Acid based electrolytes balance, glucose homeostasis, applied chemistry.
21.	Research methodology & Biostatistics.
22.	Professionalism and value.
23.	Communication & soft skills
24.	National Health care system.