

GROUP-48

Operation Theatre Assistant (Level of Exam- Matric+ Dip in OTA)

1) General awareness, Reasoning, Mathematics, Science, History including Haryana related history, current affairs, literature, Geography, Civics, Environment, Culture etc. -

(Weightage 20%)

2) Computer terminology, Fundamentals, word software, excel software, Power point, internet, web browsing, Communication, emails, downloading and uploading data on websites etc. - (Weightage 10%)

3) Subject related syllabus-

(Weightage 70%)

Anatomy: General terminology & introduction to skeletal cardiovascular, Respiratory. Nervous. Gastro-intestinal & Genitourinary systems.

Physiology: Introduction and General considerations of the cardiovascular system. Respiratory. Gastro-intestinal & Genitourinary systems. Study of common Bacteriology: Introduction, classification pathogens and obtaining& handling of specimens.

Bacteriology: Introduction, Classification of bacteria, Study of common Pathogens and Obtaining & handling of specimens

Pathology: Obtaining. Preservation. Handling & transport of the various types of specimens including those of blood, body fluids. secretion. CSF. bone marrow & various tissues.

Pharmacology: Pharmacology of disinfecting and antiseptic agent.

Surgery: General surgical techniques, asepsis, disinfection and sterilization, I/v Transfusion, assisting the various types of operations, transport of the Surgical patients, bandaging and application of P.O.P. and splints etc.

Identification and uses of surgical instruments used in the various surgical specialties such as General Surgery. Plastic Surgery, Orthopedics Surgery, urology surgery. Eye & ENT surgery. Pediatrics surgery. Cardiothoracic and Neurosurgery

Operating Room Management: Asepsis and aseptic techniques, scrubbing and gowning, care and preparation of gloves & lines, names and use of various instruments and their care, handling, storage & sterilization. Study of sterilizers and boilers, trolley setting for various types of operations and cleaning and disinfections of operating rooms as per details below.

- Moral aspect of duties of operating room technicians
- Operating room discipline and asepsis
- Handling, cleaning and sterilization of surgical instruments such as general surgical. Eye & ENT Gynecological urology. Neurosurgery. Orthopedics. Cardiothoracic & Plastic surgical instruments.
- Handling of sterilized equipment
- Endoscopy equipment its storage maintenance and sterilization
- Indenting procedures and maintenance of stock registers etc.
- Preparation of instrument packs, linen packs, glove packs, gauze, cotton & sponges etc.
- Principles and techniques of sterilization.
- Study of structure, working and maintenance of heat sterilizers.
- Autoclaving of instruments, linen articles, gloves and other rubber equipment.
- Autoclaving of drums and drums packs
- Checking of sterilization.
- Setting up of instrument trollies for various surgical procedures such as various general surgery, orthopedics cardiothoracic surgery, urology, neurosurgery. plastic surgery, pediatrics surgery, obstetrics & gynecology. Eye & ENT operations.
- Various suture materials, their sterilization use and storage.

- Use, care, disinfection & maintenance of general operating room equipment such as operating table suction and cautery machine and operating lights.

Cleaning, disinfection, sterilization and preparation of operating rooms.

Anesthesia: Various anesthetic techniques, maintenance & handling of anesthesia equipment including syringes, needles, drugs, endotracheal equipment, anesthesia machines, monitoring and resuscitation equipment, cardio-pulmonary resuscitation equipments, oxygen therapy, artificial respiration and care of the unconscious patient.

Nursing: General nursing care.

Important Note: The Weightage as mentioned against the syllabus is tentative & may vary.