

Subject Code : 1FM0070101	Subject Title : Operation Theatre Assistant - Theory
Pre-requisite Subject	

Teaching Scheme (Hours per week):

Subject Code	Subject Name	Hrs/Week				Theory UA		Total
		L	T	P	TOTAL	Max	Min	
1FM0070101	Operation Theatre Assistant - Theory	3	2	-	5	50	20	50

Syllabus:

Sr. No.	Topic
1	Unit-1: Anatomy : Introduction, Terminology and Outlit - Skeletal System - Muscular System - Respiratory & Cardiovascular System - Gastrointestinal & Genitourinary Tract - Endocrine glands - Nervous System
2	Unit-2: Basic IT Skills : - Computer Fundamental - Windows operating System - Word Processing - Electronics Spread Sheet - Presentation Preparation (power point) - Introduction to Internet
3	Unit-3: Communication Skill - Grammar - Vocabulary - Listening Skill - Speaking Skill - Writing Skill - Personality Development
4	Unit-4: Overview of Infection Control - Structure and function of Infection control and prevention program - Policy development for prevention and control of infection. - Case Studies

5	Unit-5: Patient & Staff Safety • Safe patient handling • Prevention of sharp injuries and Needle stick injuries • Rights of patient • Preventing violence
6	Unit-6: Training in Operation Theater • Basic understanding of various zones of OT • Understanding of staffing pattern • Introduction to allied Healthcare profession
7	Unit-7: Operation Theater Procedure & Instrumentation • Thyroidectomy and parathyroidectomy • Breast procedures : Biopsy, Mastectomy • Abdominal Surgeries • Gynecological & Obstetric Surgery • Pediatric procedure • Instruments for General Surgery, ENT, Ophthalmic, Gynecological & Obstetric Surgery
8	Unit-8: Biomedical Waste : • Introduction • Bio-medical waste management and handling rules • Color coding and type of container for disposal • Segregation, Transportation and storage • Incineration • Waste autoclaving

Books :

1. Textbook of Operation Theater Technology, Author : Manjushree Ray, M M Ray
2. Manual of O. T. Assistant in Hindi, Author : Dr Shivbhachan Pandey
3. Operation Theater Techniques and management, Author : M P Sharma
4. Manual of Anesthesia for Operation Theater Technician, Author : Pillai Ahanatha

Subject Code : 1FM0070102	Subject Title : Operation Theatre Assistant - Practical
Pre-requisite Subject	

Teaching Scheme (Hours per week):

Subject Code	Subject Name	Hrs/Week				Practical UA		Total
		L	T	P	TOTAL	Max	Min	
1FM0070101	Operation Theatre Assistant - Practical	-	-	25	25	50	20	50

Syllabus: (Topics) :

Sr. No.	Topic
1	Practical (in Anatomy Lab) - Bones & Related joints - Muscles of the body - Respiratory organs - Heart & major blood vessels - Gastrointestinal organs - Excretory organs - Male genital organs - Female genital organs - Endocrine organs - Brains & Spinal cord & nerves - X-rays
2	Practical (in OT) - Introduction an Maintenance of Instruments for all type of surgeries - General Surgery, ENT, Ophthalmic, OBGY, Thoracic, abdominal & Pediatric - person Protective equipment (PPE) - Patient handling - Sterilization - OT Fumigation & maintenance - Blood Collection - Dressing material - Bandag application - Antiseptic solutions - Universal precaution to prevent infection

	• Catheterization, IV lines • Practical demonstration of all surgeries • Stock & Record maintenance of OT and recovery • Record management of Anesthesia cards • Ethics & Consent • Interlocution of basic anesthesia equipment & Drugs • CPR Training • Segregation, Transportation in Storage of Waste • First Aid Kit Contests
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