

ITOS FOR INTERMEDIATE SURGERY AND ALLIED (IMM)

Clinical – 70 MCQS

Basic Sciences – 30 MCQS

CLINICAL GENERAL SURGERY PRINCIPLES

Sr. #	Subject	Topic	Subtopics	MCQs
1.	PRINCIPLES OF GENERAL SURGERY	PRINCIPLES OF OPERATIVE SURGERY	<ul style="list-style-type: none">• Perioperative Care• Sepsis• Sterilization• Antiseptics• Surgical site infections• Systemic inflammatory response infections• Antibiotics• Wound healing and management• Nutrition and metabolic medicine• Transfusion medicine and blood products• Acid Base, Fluid and electrolyte• Principles of laparoscopy and endoscopy	33
		PREOPERATIVE MANAGEMENT AND ASSESSMENT	<ul style="list-style-type: none">• Examination specific to surgery• Cardiac assessment• Systemic examination• Coagulation disorders• Neurological disorders• Airway assessment <p>Preoperative assessment in emergency surgery</p> <ul style="list-style-type: none">• Identification of high-risk patient• ASA scoring• Optimization of high-risk patient• Optimization of IHD• Respiratory + cardiac failure	4

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		ANESTHESIA AND PAIN RELIEF	<ul style="list-style-type: none"> • Basic principles 1) Induction 2) Maintenance 3) Reversal • Complications • Anesthetic Drugs and their S/E • Pain management • General, Local and Regional anesthesia: route, drugs, doses, side effects, contraindications 	4
		TRAUMA	<ul style="list-style-type: none"> • Acute life support and critical care • BLS, ATLS • Physiological response to trauma • Traumatic Brain Injury and management • Neck and spine trauma • Techniques of mobilization • Safe care of multiply injured patients <p>BURNS:</p> <ul style="list-style-type: none"> ❖ Types of burns ❖ Management <ul style="list-style-type: none"> • Thoracic Trauma • Flail chest • Tension vs open pneumothorax • Needle decompression, chest tube insertion and post operative care • Pericarditis, cardiac tamponade, acute vs chronic management of pericardial effusion <ul style="list-style-type: none"> • Abdominal injury: • FAST scan • Peritoneal lavage • Liver, spleen, renal and urological trauma • Retroperitoneal trauma <ul style="list-style-type: none"> • Trauma to Pelvis 	20

Klavis

			<ul style="list-style-type: none"> • Abdominal compartment syndrome • Extremity trauma: neurovascular exam, classification of injury, AO classification. Soft tissue injury, bone injury • Types of fractures • Pediatric injuries • Pathological fractures • Compartment syndrome • Management • Poly trauma 	
		ORGAN TRANSPLANT	<ol style="list-style-type: none"> 1. Principles 2. Graft rejection <ul style="list-style-type: none"> • Hyperacute • Acute • Chronic 3. Graft vs host disease 4. Specific organ transplantation 5. Drugs used: Immunosuppressants 	1
		ONCOLOGY	<ul style="list-style-type: none"> • Principles of oncology • Grading and staging • Palliative care • Chemo and radiotherapy 	4
		SURGICAL RADIOLOGY	<ul style="list-style-type: none"> • Principles of basic diagnostic and interventional radiography • Principle and interpretation of conventional and advanced radiographic procedures 	2
2.		MISCELLANEOUS	<ul style="list-style-type: none"> • Molecular biology and genetics • Informed consent and medico legal issues 	2

KLARS

		TOTAL		70
	Basic Sciences	Surgical Anatomy	Anatomy of surgical Importance	10
		Surgical Physiology	Physiology in relation to surgery	10
		Applied Pharmacology	Lifesaving drugs Pharmacotherapeutics of Surgical Diseases Commonly used drugs in surgical specialties	02
		Surgical Pathology	Pathology in relation to surgical diseases	08
		Total		30
	Gross Total			100

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Professor Muhammad Waris Farooka

Chairperson

Speciality Advisory Committee in Surgery

Clinical Examination

	Sr. #	Content of TOACS	Observed Stations	Marks
Principals of General Surgery	1.	Various Incision Marking Skills	1	10
	2.	Knotting/suturing Skills	1	10
	3.	Basic Life support measures	1	10
	4.	Stop The Bleed Skills	1	10
	5.	Securing the Airway Skills	1	10
	6.	Chest Intubation Skills	1	10
	7.	Fast /eFast skills	1	10
	8.	Interactive discussions on Log Book	1	10
	9.	Informed Consent /breaking bad news	1	10
	10.	Biopsy techniques	1	10
Total			10	100

The candidate scoring 60% marks shall be declared pass in clinical examination.



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