

Table of Specifications (ToS)
FOR ALL M.S. PROGRAMMES (5-Years Only)
Except M.S. Plastic Surgery
Part-II
Paper II (Fundamental Principles of Surgery)

Sr.#	Topics /Sub-Topics	No. of SEOs	No. of MCQs
I.	Common Surgical Skills		
1.	Closure of skin and subcutaneous tissue (I):	-	02
•	Options for closure	-	
•	Suture and needle choice	-	
•	Safe practice	-	
2.	Knot tying:	-	01
•	Choice of material	-	
•	Single handed	-	
•	Double handed	-	
•	Superficial	-	
•	Deep	-	
3.	Tissue retraction:	01	01
•	Choice of instruments		
•	Placement of wound retractors		
•	Tissue forceps		
4.	Use of drains:		02
•	Indications		
•	Types		
•	Insertion		
•	Fixation		
•	Management/removal		
5.	Incision of skin and subcutaneous tissue (I):	02	
•	Langer's lines		
•	Healing mechanism		
•	Choice of instrument		
•	Safe practice		
6.	Incision of skin and subcutaneous tissue (II):	01	
•	Ability to use scalpel, diathermy and scissors		
7.	Closure of skin and subcutaneous tissue (II):	02	
•	Accurate and tension free apposition of wound edges		
II.	Haemostasis:	02	04
•	Control of bleeding vessel (superficial)		
•	Diathermy		
•	Suture ligation		
•	Tie ligation		
•	Clip application		
•	Plan investigations		
•	Clinical decision making		
•	Case work up and evaluation; risk management		

III.	Antibiotics:		
•	Common pathogens in surgical patients		01
•	Antibiotic sensitivities	01	01
•	Antibiotic side-effects		01
•	Principles of prophylaxis and treatment		02
IV.	Safely assess the multiply injured patient:		
•	History and examination		03
•	Investigation	02	02
•	Resuscitation and early management including management of shock		05
V.	Technical Skills	-	
•	Central venous line insertion	-	02
•	Chest drain insertion, needle thoracostomy	-	02
•	Diagnostic peritoneal lavage	-	02
•	Bleeding diathesis & corrective measures, e.g. warming, packing		01
•	Clotting mechanism; Effect of surgery and trauma on coagulation	01	01
•	Tests for disorders of coagulation		01
•	Anticoagulation, heparin and warfarin		02
•	Role of V/Q scanning, CT angiography and thrombolysis		01
•	Place of pulmonary embolectomy	02	01
•	Awareness of symptoms and signs associated with pulmonary embolism and DVT-Treatment & prophylaxis		02
VI.	Diagnosis and Management of Common Paediatric Surgical Conditions:		
•	Child with abdominal pain	-	
•	Vomiting child	-	01
•	Trauma	-	
•	Groin conditions	-	
	✓ Hernia	-	
	✓ Hydrocoele	-	
	✓ Penile inflammatory conditions	-	01
	✓ Maledescended testis	-	
	✓ Acute scrotal conditions	-	
•	Abdominal wall pathologies	-	01
•	Urological conditions	-	
•	Head / neck swellings	-	01
•	Intussusception/ Intestinal obstruction all types	-	01
•	Abscess	01	
•	In growing toenail		
	Total	10 SEQs	50 MCQs

	In terms of general experience it is expected that trainees would have gained exposure to the following procedures and to be able to perform those marked (*) under direct supervision.	Practical Competencies to be assessed in the practical component of examination	
	Elective Procedures	-	-
	• Inguinal hernia	-	-
	(not neo-natal)	-	-

	• Orchidopexy	-	-
	• Circumcision	-	-
	• Lymph node biopsy* -FNAC, core cutting, incisional (wedge) excision	-	-
	• Abdominal wall hernia	-	-
	• Insertion of CV lines	-	-
	• Management of in growing toenails	-	-
	• EUA rectum	-	-
	• Manual evacuation of rectum	-	-
	• Open rectal biopsy	-	-
	• Excision of skin lesions*	-	-
	Emergency Procedures	-	-
	• Appendicectomy/ Laparostomy for Acute abdomen	-	-
	• Incision and drainage of abscess*	-	-
	• Pyloromyotomy	-	-
	• Operation for testicular torsion	-	-
	• Insertion of pleural drain*	-	-
	• Insertion of suprapubic catheter*	-	-
	• Reduction of intussusception.	-	-