

**Table of Specifications (ToS)**  
**FOR M.S. PLASTIC SURGERY ONLY (5-Years)**

**Part-II**

**Paper II (Fundamental Principles of Surgery)**

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

<b>III.</b>	<b>Antibiotics: (10%, 1 SEQ, 5MCQs)</b>	-		
•	Common pathogens in surgical patients	-	01	
•	Antibiotic sensitivities	-	01	
•	Antibiotic side-effects	-	01	
•	Principles of prophylaxis and treatment	01	02	
<b>IV.</b>	<b>Safely assess the multiply injured patient:</b>			
•	History and examination	01	02	
•	Investigation		01	
•	Resuscitation and early management including management of shock		02	
<b>V.</b>	<b>Technical Skills</b>	-		
<b>1.</b>	<b>Non trauma Surgery</b>	-		
•	Endoscopy and Laparotomy	-	01	
•	Drainage of ano-rectal sepsis	-	01	
•	Urethral catheterisation	-		
•	Suprapubic cystostomy	-		
•	Exploration of scrotum	-	01	
•	Reduction of paraphimosis	-	01	
•	Embolectomy	-		
•	Fasciotomy	-	01	
•	Organ retrieval for transplantation	-		
<b>2.</b>	<b>Trauma Surgery</b>	01		
•	Tracheostomy			
•	Emergency thoracotomy			
<b>3.</b>	<b>Surgical sepsis</b>	01	01	
•	Drainage of superficial abscesses			
•	Laparotomy for sepsis			
•	Chest drainage for sepsis			
•	Thoracotomy for sepsis			
•	Burr holes and craniotomy for intracranial abscess			
<b>4.</b>	<b>Critical care</b>			
•	Tracheal Intubation		01	01
•	Tracheostomy			
•	Surgical airway			
•	Cardio-pulmonary resuscitation	01		
•	Chest drain insertion			
•	Central venous line insertion	01		
•	Insertion of peritoneal dialysis catheter			
•	Primary vascular access for haemodialysis	01		
•	A detailed knowledge of the methods and results of invasive monitoring will not be required			

<b>5.</b>	<b>Gastrointestinal surgery</b>		
	• Diagnostic upper GI endoscopy		
	• Oesophageal dilatation		
	• Oesophageal stenting		
	• Laser recanalisation		
	• Mucosal resection		
	• Staging laparoscopy & laparoscopic ultrasound scanning		
	• Operations for morbid obesity		
	• Endoscopic control of upper GI bleeding		01
	• Variceal banding/sclerotherapy		
	• Biliary bypass	01	
	• Gastrectomy		
	• Proctoscopy/rigid sigmoidoscopy		
	• Flexible sigmoidoscopy & colonoscopy, diagnostic and therapeutic		
	• Procedures for fistula in ano		
	• Rectal injuries		
<b>6.</b>	<b>Hepatopancreaticobiliary Surgery</b>		
	• ERCP and endoscopic sphincterotomy		
	• Biliary reconstruction		01
	• Porto-systemic shunt		
<b>7.</b>	<b>Surgery of the skin &amp; integument</b>	-	
	• Excision of skin lesions	-	01
	• Excision of skin tumours	-	01
	• Split and full thickness skin grafting	-	01
	• Node biopsy	-	01
	• Block dissection of axilla and groin	-	
	• Surgery for soft tissue tumours including sarcomas	-	01
<b>8.</b>	<b>Endocrine surgery / neck surgery</b>	-	
	• Thyroid lobectomy	-	01
	• Thyroglossal cystectomy	-	
	• Submandibular salivary gland excision	-	01
<b>9.</b>	<b>Breast surgery</b>		
	• Treatment of breast abscess		
	• Fine needle aspiration cytology		
	• Needle localisation biopsy		
	• Trucut biopsy		
	• Mammary duct fistula		
	• Excision of breast lump	01	02
	• Mastectomy		
	• Reconstruction		
	• Myocutaneous flaps		
	• Tissue expanders		
	• Complications and re-operation		
	• Breast reduction		

<b>10. Hernias</b>			
• Surgery for all abdominal herniae, using open and laparoscopic techniques			01
• Repair of childrens' herniae			
<b>11. Genitourinary Surgery</b>			
• Dialysis and renal transplant		01	
• Suprapubic catheter insertion			
• Urethral catheterisation			
• Suprapubic cystostomy			01
• Pyeloplasty			
• Complex hypospadias repair			
• Nephrectomy			
• Reimplantation of ureters			
<b>12. Vascular Surgery</b>			
• Vascular suture/anastomosis			
• Approach to/control of infra-renal aortic, iliac and femoral arteries			
• Control of venous bleeding			
• Balloon thrombo-embolectomy			
• Amputations of the lower limb			01
• Fasciotomy			
• Primary operation for varicose veins			
• Abdominal aortic aneurysm repair, elective and ruptured		01	
• Femoro-popliteal bypass			
• Femoro-femoral bypass			
<b>13. Thoracic Surgery</b>			
• Repair pectus excavatum			
• Thoracotomy			
• Foreign body retrieval			01
• Competence in performing appropriate Mediastinal exploration			
• Thoracic incisions			
<b>14. Others</b>		-	
• Skin and skeletal traction		-	01
• Open fracture debridement		-	
• External fixation and Nerve repair		-	01
• Flexor and extensor tendon repair		-	
• Surgical approaches to the joints and arthrotomy		-	
• Spinal injury		-	01
• Emergency management of closed and open head injury		-	01
• Insertion and management of chest drains		-	01
• Thoracotomy and post-operative management		-	
<b>Total</b>		<b>10 SEQs</b>	<b>50 MCQs</b>