

**Table of Specifications (ToS)**  
**FOR ALL M.D. PROGRAMMES (5-Years Only)**  
**EXCEPT Developmental Paediatrics**  
**Part-II**  
**"Paper-II"**  
**(Fundamental Concepts in Internal Medicine)**

Sr.#	Topics /Sub-Topics	No. of MCQs	No. of SEQs
<b>1.</b>	<b>Nephrology</b>		02
	<i>Common and / or Important Problems:</i>		
	• Acute renal failure	01	
	• Chronic renal failure	01	
	• Glomerulonephritis	01	
	• Nephrotic syndrome	01	
	• Urinary tract infections	01	
	• Urinary Calculus	01	
	• Renal replacement therapy	01	
	• Disturbances of potassium, acid/base, and fluid balance (and appropriate acute interventions)	01	
	<i>Clinical Science:</i>		
	• Measurement of renal function	01	
	• Metabolic perturbations of acute, chronic, and end-stage renal failure and associated treatments	01	
<b>2.</b>	<b>Neurology</b>		02
	<i>Common or Important Problems:</i>		
	• Acute new headache	01	
	• Stroke and transient ischaemic attack		
	• Subarachnoid haemorrhage	01	
	• Coma	01	
	• Central Nervous System infection: encephalitis, meningitis, brain abscess	01	
	• Raised intra-cranial pressure	01	
	• Sudden loss of consciousness including seizure disorders (see also above syncope etc)		
	• Acute paralysis: Guillian-Barré, myasthenia gravis, spinal cord lesion	01	
	• Multiple sclerosis	01	
	• Motor neuron disease	01	
	<i>Clinical Science:</i>		
	• Pathophysiology of pain, speech and language	01	
	• Pharmacology of major drug classes: anxiolytics, hypnotics inc. benzodiazepines, antiepileptics, anti-Parkinson's drugs (anti-muscarinics, dopaminergics)	01	

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3.	<b>Gastroenterology and Hepatology</b>		
	<i>Common or Important Problems:</i>		
	• Peptic Ulceration and Gastritis		
	• Gastroenteritis	01	
	• GI malignancy (oesophagus, gastric, hepatic, pancreatic, colonic)		
	• Inflammatory bowel disease	01	
	• Iron Deficiency anaemia		
	• Acute GI bleeding		
	• Acute abdominal pathologies: pancreatitis, cholecystitis, appendicitis, leaking abdominal aortic aneurysm	01	
	• Functional disease: irritable bowel syndrome, non-ulcer dyspepsia	01	
	• Coeliac disease		
	• Alcoholic liver disease	01	
	• Alcohol withdrawal syndrome		
	• Acute liver dysfunction: jaundice, ascites, encephalopathy	01	02
	• Liver cirrhosis		
	• Gastro-oesophageal reflux disease		
	• Nutrition: indications, contraindications and ethical dilemmas of nasogastric feeding and EG tubes, IV nutrition, re-feeding syndrome	01	
	• Gall stones		
	• Viral hepatitis	01	
	• Auto-immune liver disease		
	• Pancreatic cancer		
	<i>Clinical Science:</i>		
	• Laboratory markers of liver, pancreas and gut dysfunction		
	• Pharmacology of major drug classes: acid suppressants, anti-spasmodics, laxatives, anti-diarrhoea drugs, aminosalicylates, corticosteroids, immunosuppressants, infliximab, pancreatic enzyme supplements	01	

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<b>4.</b>	<b>Haematology and Oncology</b>		
	<i>Common and / or Important Problems:</i>		
•	Bone marrow failure: causes and complications	01	
•	Bleeding disorders: DIC, haemophilia		
•	Thrombocytopaenia		01
•	anticoagulation treatment: indications, monitoring, management of over-treatment		
•	Transfusion reactions	01	
•	Anaemia: iron deficient, megaloblastic, haemolysis, sickle cell,		01
•	Thrombophilia: classification; indications and implications of screening		
•	Haemolytic disease	01	
•	Myelodysplastic syndromes	01	
•	Leukaemia		01
•	Lymphoma		
•	Myeloma		
•	Myeloproliferative disease	01	
•	Amyloid		
•	Inherited disorders of haemoglobin (sickle cell disease, thalassaemias)	01	
	<i>Clinical Science:</i>		
•	Structure and function of blood, reticuloendothelial system, erythropoietic tissues	01	
<b>5.</b>	<b>Dermatology</b>		
	<i>Common and / or Important Problems:</i>		
•	Cellulitis		
•	Cutaneous drug reactions		
•	Psoriasis and eczema		
•	Skin failure: e.g. erythroderma, toxic epidermal necrolysis		
•	Urticaria and angio-oedema		01
•	Cutaneous vasculitis		
•	Herpes zoster and Herpes Simplex infections		
•	Skin tumours		
•	Skin infestations		
•	Dermatomyositis		
•	Scleroderma		
•	Lymphoedema		
	<i>Clinical Science:</i>		
•	Pharmacology of major drug classes: topical steroids, immunosuppressants	01	

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<b>6.</b>	<b>Rheumatology</b>			
	<i>Common or Important Problems:</i>			
•	Septic arthritis	01	01	
•	Rheumatoid arthritis	01		
•	Osteoarthritis	01		
•	Seronegative arthritides	01		
•	Crystal arthropathy			
•	Osteoporosis – risk factors, and primary and secondary prevention of complications of osteoporosis	01		
•	Polymyalgia and temporal arteritis	01		
•	Acute connective tissue disease: systemic lupus erythematosus, scleroderma, poly- and dermatomyositis, Sjogren's syndrome, vasculitides			
	<i>Clinical Science:</i>			
•	Pharmacology of major drug classes: NSAIDs, corticosteroids, immunosuppressants, colchicines, allopurinol, bisphosphonates	01		
<b>7.</b>	<b>Psychiatry</b>			
	<i>Common and /or Important Problems:</i>			
•	Suicide and parasuicide	01	01	
•	Acute psychosis			
•	Substance dependence			
•	Depression			
	<i>Clinical Science:</i>			
•	Principles of substance addiction, and tolerance	01		
•	Pharmacology of major drug classes: anti-psychotics, lithium, tricyclic antidepressants, mono-amine oxidase inhibitors, SSRIs, venlafaxine, donepezil, drugs used in treatment of addiction (bupropion, disulpharam, acamprosate, methadone)			
	<b>Total</b>	<b>50 MCQs</b>		<b>10 SEQs</b>