

Block J (Neurosciences-II Module)**Fourth Year Mbbs course content for Kmu**

By Modular Medical Circle

Pharmacology (Mcqs=20)

S.no.	Topics	Lippincot [10 th Edition]	Tara [5 th edition]	Mini Katzung [12 th Edition]
1	Introduction to the Pharmacology of CNS [Common terminologies, BBB, Neurotransmitters, Ion channels and its receptors]	P#103-105 [Ch#8]	P# 176 Ch#5	Ch# 21 pg#181 (Whole Chapter) [BBB: Missing]
2	Sedative-hypnotics (Minor tranquilizers): Benzodiazepines, Barbiturates, Buspirone, Ramelteon	Ch#9 p#116 (whole chapter) classification is missing	P#177-185 Ch#5 Buspirone: P#240	Ch# 22 pg#188 (Whole Chapter)
3	CNS stimulants	Ch 15 p#194 [WC]	P#234 [Ch#5]	
4	Respiratory analeptics (Doxapram, Nikethamide)			
5	Methyl xanthine/Theophylline, Caffeine, Theobromine)	Ch 15 pg 194		Ch#20 pg#175
6	Sibutramine			
7	Depression [Monoamine hypothesis] Antidepressants [Classification] SSRIs (Selective Serotonin Reuptake Inhibitors) TCAs (Tricyclic Antidepressants) MAOIs (Monoamine Oxidase Inhibitors) Serotonin syndrome, Hypertensive Cheese reaction, St John's Wort,	Chp#10 pg#128 [Whole chapter]	P#240-246 [Ch#5]	Ch#30 pg#249 [Whole Chapter]
11	procedure of switching-over from one category of			

	antidepressants to another one			
12	“Augmentation” of antidepressant therapy			
13	Electroconvulsive Therapy (ECT) for depression			
14	Psychoses (Schizophrenia, Dopamine hypothesis), Antipsychotics (Antischizophrenic) Bipolar affective disorder (Manic Depressive illness+Mood stabilization) Mood-stabilizing drugs	Chp 11 pg 139 [Whole Chapter]	P#235-240 [Ch#5]	Ch#29 P#241 [Whole Chapter]
15	Lithium carbonate	Ch 10 pg 136	P#246-248 Ch#5	
16	Alcohols	Ch#44 p:586 [deficient]	P#203-206 [ch#5]	Ch#23 p:196[WC]
17	Opioids (Morphine, Diamorphine, Codeine, Pethidine, Methadone, Pentazocine, Buprenorphine, Dextromethorphan) Tramadol	Ch 14 pg 180 [Whole chapter]	P#217-228 [ch#5]	Ch 31 pg 257 [whole chapter]
18	Drugs of abuse			Ch:32 p:266 [WC]
19	Anti-seizure drugs (Anti-epileptics): Carbamazepine, Phenytoin, Valproate, Ethosuximide, Phenobarbitone, Benzodiazepine, Lamotrigine, Topiramate and others [new antiepileptic drugs] management of status epilepticus	Ch 12 pg 148 [Whole Chapter]	P#206-216 [Ch#5]	Ch 24 pg 203 [Whole Chapter]
20	General anaesthetics	Page#161-173 [Ch#13]	P#185-194 Ch#5	Ch 25 pg 212 [Whole Chapter]
21	Inhaled anaesthetics (N ₂ O, Halothane, Isoflurane, Sevoflurane, Desflurane)			
22	IV anaesthetics (Thiopentone, Propofol,			

	Etomidate, Ketamine, Midazolam, Fentanyl)			
23	Pre-anaesthetic medications	Ch 13 pg 176		
24	Obstetric analgesia			
25	Drugs for Parkinsonism: Levodopa (with Carbidopa), Bromocriptine, Selegiline, Apomorphine	P#105-112 [Ch#8]	P#228-234 [Ch#5]	Ch 28 pg 233 [whole chapter]
26	Drug-induced Parkinsonism			
27	Migraine and Cluster headaches: Triptans (Sumatriptan and others), Ergot alkaloids, Ergotamine	P#498 Ch#37	P#253-257 [Ch#5]	P#149 Ch#16
28	Local anaesthetics (Lignocaine and others)	P#174-177 [Ch#13]	P#194-203 [Ch#5]	Ch#26 pg#220 [Whole Chapter]

Pathology/Microbiology (Mcqs=22)

Topics	Robbins [10 th Edition]	Pathoma [2022 Ed]	Goljan [5 th Edition]
Hypoxia, Ischemia, and infarction	Ch#23 p#852-857	Chp # 17 page 184	Chp #2 page 14+39
Intracranial Hemorrhage	Ch#23 p#852-857	Chp # 17 page186	Chp # 26 page 788
Strokes Syndromes	Ch#23 p#852-857	Chp # 17 page 185	Chp # 26 page 789
Subarachnoid Hemorrhage (SAH)	Ch#23 p#852-857	Chp # 17 page186	Chp # 26 page 794
Neurodegenerative disorders: Alzheimer`s disease, Parkinson`s disease, Huntington`s Disease and Spinocerebellar ataxias. Motor Neuron disease	Ch#23 page#874-880	Ch#17 P#187	
Meningitis	Ch#23 P#862-870	Chp # 17 page 183	Chp # 26 page 796
Encephalitis	Ch#23 P#862-870	Not present	Chp # 26 page 798
Brain abscess	Ch#23 P#862-870	Not present	Chp # 26 page 798
Cerebral Toxoplasmosis		Not present	Chp # 26 page 801
Tumours of CNS: i. Gliomas ii. Embryonal neoplasm iii. Meningioma iv. Other neoplasms	Chp#23 page#881-887	Chp # 17 page 191	Chp # 26 page 811

Multiple Sclerosis and other demyelinating disorders of CNS	Ch#23 page#870-873	Chp # 17 page 188	Chp # 26 page 798
Patterns and Types of Peripheral Nerves Injury	Ch#22page#835-838	Not present	
Acute and Chronic Demyelinating Neuropathies	Ch#22 page#835-838	Chp # 17 page 187	Chp # 26 page 798
Myasthenia Gravis	Chp#22 page#839	Chp # 18 page 202	Chp # 26 page 731
Tumors of Peripheral nerve (Neurofibromatosis)	Chp#22 page#846-847	Not present	Chp # 26 page 816-17

Forensic Medicine (Mcqs=18)

Topics	Parikh (9 th edition)	Jamiat
Classification of neurotoxins	<i>Not present</i>	pg 179 [Ch 15]
Cerebral Poisons- Somniferous Poisons: Morphine, Opium, Heroin	Ch#48 page#617-621 [WC]	Ch#15 P#229 & Page: 248+249+245
Inebriant Poisons: Ethyl Alcohol, Methyl Alcohol	Ch#50 page#629-642 [WC]	Ch#15 P#229 & Page:237+247
Sedative & Hypnotics: Chloral hydrate, Barbiturates	Ch#51 Page#643 646 [WC]	Page: 241+239
Fuels, Stimulants: Agrochemical poisons, Kerosene	Ch#52 & 53 Page 647-659 [WC]	Page 222-224 +246
Hallucinogens: LSD Stimulants: Amphetamines	Ch#63 & 64 Page#695-700 [WC]	P#244+237
Drug Dependence	Chp 49 page 622-628 [WC]	Not present
Insanity and relationship to criminal charges, also (McNaghten rule, Durhams Rule & Impulse etc)	page 478-480 (Chp 33) [ignore the Indian law statements given in the text]	Ch#14
Forensic Psychiatry (definitions & Terminologies)	page 459-469 [Chp 33]	Ch#14
Mental Health Act		
Will (Testamentary Capacity & Valid Will)	Page 475-477 [Chp 33]	Ch#14
Civil and criminal responsibility of mentally ill patients	Page 475-477 [Chp 33]	Not present
Deliriant Poisons: Dhatura, Hyocyanus Nigra, Cannabis Indica	Chp 54 Page 660-665 [WC]	Chp 16 pg 219-220+228, & Page#243+245+240
Head Injury (+Skull Fracture, hemorrhage, Injuries)	Page#299-313 [Chp 20]	P#66-74 [ch#6]
vertebral and spinal injuries	Page#314-316 [Chp 20]	Not presnt
Neurotoxins: spinal poison	CH#55 Page#666-668	Chp 16 P#220-222

Snake bite Neurotoxins	P#599 {Chp 45}	Scattered in text
Botulism Toxins	page#609-610 [Chp 47]	Not present
Neurotoxins: Peripheral Poison	CH#56 Page#669-670	Not present

Community Medicine (Mcqs=27)

Topics	Excel 13 th edition	Hayat	
Epidemiology	Ch#3 page#23 & onwards [whole chapter]	Chp 2 pg 7	Do Epidemiology Whole Chapter
Study design		Ch 2 Pg 26	
Measures of mortality and morbidity		Chp 2 Pg 11 + 15	
Screening		Chp 2 Pg 20	
Mental health	Chp 23 page 339	Chp 27 pg 405	
Biostatistics: <ul style="list-style-type: none"> • Introduction • Data and Variable Types • Sampling • Biases in epidemiological Studies 	Chp 8 page 151 [whole chapter]	Chp 3 pg 41 + 63	Do Whole Chapter of Biostatistics: All these topics are in this chapter of the respective books
Measures of Central Tendency	Pg 157	Ch 3 Pg 51	
Measures of Dispersion	Pg 158	Ch 3 Pg 54	
Normal Distribution(Percentile& Interquartile Range)	Pg 162	Ch 3 Pg 57-58	
Confidence Interval, Confidence level, Standard error		Ch 3Pg69	
P-Value, Critical Region, Rejection Region, Alpha Beta	Pg 162 + 163	Ch 3 Pg 71-72	
Errors Z-Test & its Application, Types / Shapes of Frequency Distribution	Page 154 + 161	Ch 3 Pg 76	
"t"-Test & its Application	Pg 161	Ch 3 Pg 74	
Chi Square Test & its Application	Pg 160	Ch 3 Pg 72	
Correlation, Regression			
Practical Problems in Biostatistics			
Non-communicable diseases: Strokes	Pg 127-128		
Rabies	Pg 86	Pg 155	

Medicine [mcqs=11]

Topics	Step up 6 th Edition	Irfan masood
Alzheimer`s disease and Dementias	Chp 5 page 216-218	Ch 13 pg 618
Stroke	Chp 5 page 205	
Seizures	Chp 5 page 231	Ch 13 pg 587-598
Parkinson`s Disease	Chp 5 page 212	Ch 13 pg 623
Meningitis	Chp10 page 372	Ch 13 pg 631
Multiple Sclerosis	Chp 5 page 222	Ch 13 pg 612
Transverse Myelitis	Chp 5 page 227	Ch 13 pg 616
Caries Spine		
Guillain Barre Syndrome (GBS)	Chp 5 page 223	Ch 13 pg 647
Neuropathies		
Myasthenia Gravis	Chp 5 page 224	Ch 13 pg 650

Psychiatry [mcqs=09]

Topics	Resource
Sleep Disorders	
Non-Organic Insomnia	
Sleep Wake Cycle Disorders	
Depressive Disorders	
Bipolar Affective Disorder	
Suicide	
Anxiety Disorders	
Dissociative Disorders	
Stress related Disorders	
Somatoform Disorders	
Atypical Depression and Seasonal Affective Disorder	
Personality Disorders	
Psychotic Disorders (Organic & Non-Organic Psychosis)	
Schizophrenias (Psychotherapy & Electroconvulsive therapy and Rehabilitation)	
Delusional Disorders	
Substance Abuse Disorder	
Chronic daily headache	

Note: Use Kaplan or First Aid for Psychiatry. See Minor subjects notes by Asif Shah, SMC.

Neurosurgery [Mcqs=02]	
Topics	Resources
Stroke & Sub-Arachnoid Hemorrhage Management	
Neurodegenerative Disorders: i. Alzheimer`s Disease ii. Parkinson`s Disease iii. Huntington`s Disease & Spin-Cerebellar Ataxias	
Motor Neuron disease	
Traumatic Paraplegia Management	
Spinal Tumors	
Pediatrics [Mcqs=05]	
Topics	Resources
Cerebellar Ataxias (Friedreich,s Ataxia)	
Meningitis(Pyogenic& TB MeningitisInChild & Neonate)	
Hereditary Neuropathies	
Anesthesia [Mcqs=03]	
Topics	Resources
Introduction to the subject	
General anaesthesia	
Neuroaxis block (Spinal, Epidural, Caudal Block)	
Regional Anesthesia (Terminologies)	
Preoperative Evaluation and Risk Assessment	
Monitoring in Anesthesia (Invasive & Non Invasive)	
Family Medicine [Mcqs=01]	
Topics	Resources
Rabies Prophylaxis(Immunization)	
PRIME/MEDICAL EDUCATION/RESEARCH [Mcqs=02]	
Conflict resolution	
Data analysis	
Orthopaedics []Mcqs=0	
Management of traumatic paraplegia	
Peripheral nerve injury	

NOTE:

1. At the start of each column book edition is mentioned. Kindly tally your book accordingly. If you have another edition and the page numbers here does not match your book, kindly take help from chapter numbers.
2. For minor subjects see Asif Shah, SMC notes shared on our page.

Fourth Year MBBS Subject Wise Recommended Books:

A) Pathology:

1. Pathoma + BnB ± First Aid (Recommended)
2. Robbins (unnecessarily lengthy)

B) Pharmacology:

1. Kaplan + First Aid ± Sketchy (recommended)
2. Lippincott/Tara (KMU exam focused)

C) Microbiology:

1. Sketchy ± First aid
2. Faiz/Levinson microbiology (only for the more studios peeps)

D) Forensic:

1. Parikh [Major portion is poisons which is not good in Jamiat]

E) Community medicine:

1. Excell ± 2. Hayat

F) Ent:

1. Dingra + Naseem Sherzad (recommended combination)
2. Iqbal Hussain Udaipurwala + Naseem Sherzad

G) Eye:

1. Jatoi + Naseem Sherzad

H) Psychiatry:

1. BnB + First Aid + Dirty Medicine [youtube]

I) Medicine:

1. Step-up
2. Kaplan

J) Surgery:

1. Abdul Wahab Dogger

K) Gynaecology:

1. Kaplan
2. Lecture slides

Block J [Fourth Year MBBS] Recommended Lecture Resources

A) Pathology

- Neurology from:
 1. Pathoma lectures + notes
 2. First Aid
 3. BnB
 4. Dirty medicine YouTube channel
- Microbiology from:
 1. Sketchy lectures

B) Pharmacology:

- CNS and Psychiatry drugs from
 1. Kaplan
 2. First Aid
 3. Sketchy
 4. Speedy Pharmacology YouTube channel

C) Psychiatry:

1. BnB lectures + notes
2. First Aid
3. Dirty Medicine YouTube channel

D) Forensic:

- CNS poisons from Parikh

E) Community medicine:

- Epidemiology from
 1. BnB
 2. First Aid
 3. Excellent + Selfless medicose YouTube channel
- Biostatistics from
 1. BnB
 2. First Aid
 3. Hayat book
 4. Randy Neil YouTube channel

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Block K (GIT & Hapatobiliary-II Module)

Fourth Year Mbbs course content for Kmu

By Modular Medical Circle

Pathology/Microbiology (Mcqs=41)

S.no.	Topics	Pathoma/Sketchy	Medium Robbins/ Levinson
1	Salivary Gland (Inflammation and tumors)	Page#100 (Ch#10)	P#587-589 (Ch#15)
2	Esophagus	Page#101-103 (Ch#10) [Esophagitis is missing]	P#590-597 (Ch#15)
3	Stomach: <ul style="list-style-type: none"> Gastritis Peptic ulcers Gastric polyps and tumors 	Page#103-105 (Ch#10) [Gastric polyps is missing]	P#598-607 (Ch#15)
4	Liver: Liver Function Tests	Not present: do from practical notebook or any online resource	Not present: do from practical notebook or any online resource
5	Mechanisms of liver injury and repair	Only Cirrhosis is present (P#120)	P#637-642 (Ch#16)
6	Acute Liver failure		
7	Chronic Liver disease and liver cirrhosis		
8	Portal hypertension		
9	Viral hepatitis A and E	P#119-120 (Ch#11)	P#642-650 (Ch#16)
10	Viral hepatitis B		
11	Viral Hepatitis C		
12	Autoimmune hepatitis	Not present	P# 650-652(Ch#16)
13	Toxin and Drug induced hepatitis		
14	Liver abscess		
15	Alcoholic liver disease	P#121-123 (Ch#11)	P#652-659 (Ch#16)
16	Metabolic liver diseases <ul style="list-style-type: none"> Non-Alcoholic liver disease (NAFLD) Hemochromatosis Wilson's disease Alpha-1 antitrypsin deficiency 		
17	Tumors of the liver		
18	Gall bladder: <ul style="list-style-type: none"> Gall stones Cholecystitis Gall bladder cancer 	P#116-118 (Ch#11)	P#672-676 (Ch#16)
19	Pancreas [congenital anomalies, acute & chronic pancreatitis, pancreatic pseudocyst and tumors]	P#115-116 (Ch#11) Congenital anomalies and cysts are missing	Ch#17 [p#679-689] whole chapter
20	Intestines: Intestinal obstruction	P#106-108 (Ch#10)	P#607-610 (Ch#15)
21	Ischemic bowel disease		

22	Diarrheas [malabsorption & Celiacdz]	Not present except celiacdz (P#107)	P#611-614 (Ch#15)
23	Bacterial enterocolitis	Not present	P#614-626 (Ch#15)
24	Parasitic enterocolitis		
25	<i>Entamoeba histolytica</i>	Sketchy: P#91 [parasite section 1.1]	Levinson: P#425-430 [ch#51]
26	<i>Giardia lamblia</i>	Sketchy: P#92 [parasite 1.2]	
27	<i>Hymenolepis nana</i>	Sketchy: P#104 [Parasite 6.1]	Levinson: P#462 [ch#54]
28	<i>Diphyllobothrium latum</i>	Sketchy: P#104 [Parasite 6.1]	Levinson: P#459-460 [ch#54]
29	<i>Schistosoma hematobium, mansoni and japonicum</i>	Sketchy: P#105 [Parasite 6.2]	Levinson: P#465-468 [ch#55]
30	<i>Ascaris lumbricoides</i>	NP	Levinson: P#476-481 [ch#56]
31	<i>Strongyloides</i>	NP	
32	<i>Ankylostoma duodenale</i>	Sketchy: P#102 [parasite 10.2]	Levinson: P#472-473 [ch#56]
33	<i>Enterobius vermicularis</i>	Sketchy: P#102 [parasite 10.2]	
34	Inflammatory bowel disease (IBD)	P#109-113 (Ch#10)	P#620-633 (Ch#15)
35	Diverticular disease		
36	Colonic polyps		
37	Hemorrhoids		
38	Colorectal carcinoma		

Referenced Books:

- 1) Pathoma (Fundamentals of Pathology by Hussain A. Sattar) 2021 edition
- 2) Robbins Basic Pathology (Medium Robbins) 10th edition
- 3) Levinson Microbiology 16th Edition
- 4) Sketchy Microbiology 2021 edition

Pharmacology (Mcqs=16)

S.no.	Topics	Lippincot	Tara	Mini Katzung
1	Anti-emetics	P#545-547 [Ch#40]	P#285-293 [Ch#7]	P#500 [Ch#59] Not Sufficient
2	Drugs used in the treatment of variceal bleeding	Not Present	Not Present	P#502 [Ch#59] few lines only
3	Drugs used in the treatment of Peptic ulcer disease and Gastritis	P#540-545 [Ch#40]	P#301-309 [Ch#7]	P#498-499 [Ch#59]
4	Hepatotoxic drugs			
5	Drugs used in the treatment of hepatitis B	P#438-441 [Ch#34]	Not Present	P#417-419 [Ch#49]
6	Drugs used in the treatment of hepatitis C			

7	Antidiarrheal agents (Opioids, Colloidal bismuth compounds, Kaolin & Pectin, etc	Lippin: P#548-550 [Ch#50]	Tara: P#293-297 [Ch#7]	Short Katzung: P#500 [Ch#59] Not Sufficient
8	Laxatives (Bulk-forming, stool softeners, osmotic laxatives, stimulant laxatives, etc		P#297-300 [Ch#7]	
9	Lactulose		Not Present	
10	Anti-amoebic drugs	P#604-607	P#493-498 [Ch#11]	P#437-439 [Ch#52]
11	Anti-helminthics	P#618-624	P#499-504 [Ch#11]	P#444-449 [Ch#53]
12	Anti-Salmonellosis drugs (Enteric fever drugs)	Not Present	Not Present	Paragraphs on P#416, 420, 427
13	Drugs used in the treatment of Irritable Bowel Syndrome (IBS) and IBD	P#550-555 [Ch#40]	P#295-297 [Ch#7]	P#500 [Ch#59] Not Sufficient

Referenced Books:

- 1) Lippincott's Pharmacology 7th Edition
- 2) Tara Pharmacology 5th edition
- 3) Short/mini Katzung 12th Edition

NOTE: Short Katzung is not recommended for GIT pharma due to lacking of sufficient knowledge

Forensic Medicine (Mcqs=16)

S.No.	Topics	Parikh	Jamiat
1	Common house-hold poisons	Ch#38 [P#550-551]	Not Present
2	Corrosives/ Mineral acids	Ch#39 [P#552-554]	P#194-200 [Ch#16]
3	Corrosives/ Alkali		
4	Corrosive/ organic acid		
5	Corrosive/ vegetable acid and cyanides	Ch#41 [P#559-562]	
6	Irritants: Classification Irritants/ nonmetallic poisons	Ch#42 [P#565-569]	P#200-216 [Ch#16]
7	Irritants/Metallic poisons	Ch#43 [P#570-585]	
8	Irritants/ vegetable poisons	Ch#44 [P#585-592]	P#216-219 [Ch#16]
9	Irritants/ animal poisons	Ch#45 [P#593-605]	P#231-235 [Ch#16]
10	Irritants /mechanical poisons/ powder glass	Ch#46 [P#606]	Not Present
11	Abdominal injuries	P#322-326 [Ch#20]	P#74 [Ch#6] Not sufficient

Referenced Books:

- 1) Parikh Forensic Medicine 9th Edition
- 2) Jamiat Forensic 13th Edition

Community Medicine (Mcqs=18)

S.No.	Topics	Hayat	Excel
1	Health system of Pakistan: Introduction	Ch#16 [P#353-354]	Not Found
2	Primary health care (PHC)	Ch#15 [P#339-351]	P#177-186 [Ch#10]
3	Health plans – MDGs		P#18-19 [Ch#2]
4	Health plans – SDGs		P#19-22 [Ch#2]
5	Health planning	Ch#17 [P#355-359]	P#180 [Ch#10]
6	Health plans - Longitudinal, horizontal, integrated, 5 year, ADP, SAP, Short term, long term	Ch#20 [P#367-370]	Not Found
7	Health policy	Ch#19 [P#363-366]	Not Found
8	Hospital administration	Ch#21 [P#371-375]	Not Found
9	Health economics	Ch#22 [P#377-381]	Not Found
10	Health management information system (HMIS)	Ch#24 [P#387-388]	P#360-362 [Ch#25]
11	Health education.	Ch#26 [P#393-402]	P#307-310 Ch#18
12	Role of international health agencies in public health	Ch#32 [P#431-434]	P#9-10 [Ch#1]
13	Viral Hepatitis	P#164-166 [Ch#5]	P#108-109 [Ch#4]
14	Overview of common intestinal worms' infestation and their control	P#177-179 [Ch#6]	P#350-352 [Ch#24]
15	Control of dysentery	P#180-181 [Ch#6]	
16	Food hygiene	P#213-219 [ch#8]	
			P#276-281 [Ch#16]

Referenced Books:

1. Fundamentals of Community Medicine & Public Health by Dr. Hayat M Khan (3rd Edition)
2. Excel Community Medicine and Public Health 13th Edition Ch# [P#] P# [Ch#]

Medicine (Mcqs=11)

S.no.	Topics	Step up 7 th edition	Irfan Masood 3 rd edition
1	Oral Cavity Diseases (stomatitis and Aphthous ulcers)	Not Found	Not Found
2	Esophagus: 1) Esophageal motility disorders	P#149-150 [Ch#3]	P#368 [Ch#9]
3	2) Esophagitis	Not Found	P#373 [Ch#9]
4	3) Cardia achalasia	P#149 [Ch#3]	P#368 [Ch#9]
5	4) Gastro Esophageal reflux disease (GERD)	P#451-452 [Ch#12]	P#371 [Ch#9]
6	Gastritis	P#156-157 [Ch#3]	P#377 [Ch#9]
7	Peptic ulcer disease	P#154-155 [Ch#3]	P#378 [Ch#9]
8	Upper GI Bleeding	P#144-147 [Ch#3]	P#387 [Ch#9]
9	Hepatitis B virus infection	P#376 [Ch#3]	P#439 [Ch#10]
10	Hepatitis C virus infection		
11	Metabolic liver diseases	Not Found	P#452 [Ch#10]

12	Hepatic vein obstruction (Bud-Chiari)	P#128 [Ch#3]	P#460 [Ch#10]
13	Hepatocellular carcinoma	P#126 [Ch#3]	P#463 [Ch#10]
14	Carcinoma of the pancreas	P#144 [Ch#3]	P#418 [Ch#9]
15	Intestinal tuberculosis	Not Found	Not Found
16	Irritable bowel syndrome	P#457-458 [Ch#12]	P#402 [Ch#9]
17	Ulcerative colitis	P#163-166 [Ch#3]	P#397 [Ch#9]
18	Crohn's disease	P#162-163 [Ch#3]	
19	Ano-rectal infections	Not Found	Not Found

Surgery (Mcqs=12)

S.no.	Topics	Dogar 2 nd edition
1	Tumors of the esophagus	P#53 [Ch#2]
2	Para-esophageal hiatus hernia	P#47 [Ch#2]
3	Gastric cancer	P#66 [Ch#2]
4	Gastric outlet obstruction	P#66 [Ch#2]
5	Gall bladder and pancreas	P#90+108 [Ch#2]
6	Carcinoma of the gall bladder	P#103 [Ch#2]
7	Liver abscess	P#77 [Ch#2]
8	Hydatid liver cysts	P#79 [Ch#2]
9	Acute appendicitis	P#163 [Ch#3]
10	Intestinal obstruction	P#153 [Ch#3]
11	Ulcerative colitis	P#131 [Ch#3]
12	Crohn's disease	P#135 [Ch#3]
13	Diverticular disease	P#139 [Ch#3]
14	Anal diseases: • fistula • fissures • hemorrhoids	P#182+176+178 [Ch#3]
15	Colorectal cancers	P#145 [Ch#3]
16	Ischemic Colitis	Not Found

Pediatrics (Mcqs=03)

S.No.	Topics	Pervez Akbar 10 th edition
1	Hereditary hyperbilirubinemias	P#150-160 [Ch#9]
2	Acute hepatitis A	P#285 [Ch#12]
3	Lactase deficiency	Not Found
4	Infectious diarrhea	P#180 [Ch#10]
5	Celiac disease	P#280 [Ch#12]

Other minors

Topics	Resource
Family Medicine (Mcqs=02)	
Enteric infections	
Acute and chronic hepatitis	
PRIME/Medical Education (Mcqs=01)	
Social accountability	
ENT (Mcqs=0)	

Cleft lip and palate	
Pharyngitis and Tonsillitis	
Oropharyngeal cancer	
Salivary glands	
Dysphagia	
Anatomy (Mcqs= 0)	
Gross and microscopic structure of liver, gall bladder & biliary channels and pancreas Liver histology	

Junaid Imran Final Year KMC recommendations for Block K:

A) Pathology (GIT and Hepato-biliary) from

1. Pathoma book + lectures
 2. First Aid
 3. BnB
 4. Dirty Medicine
- Microbiology from: Sketchy lectures

B) Pharmacology:

1. Kaplan
2. First Aid
3. Sketchy
4. Speedy Pharmacology

C) Forensic All poisons from Parikh

D) Community medicine: Primary health care + Communication & health education from: Excel & Selfless medicose YouTube channel, all other chapters from Hayat.

E) Medicine: Step-up

F) Surgery GIT and Hepato-biliary from: Dogers' book & Selfless medicose YouTube channel

Errors and Omissions are accepted.

According to newly updated modular guides of KMC.

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(Admins Modular Medical Circle)

Block L (Renal-2+Endocrine & Reproduction-2 Modules)

Fourth Year Mbbs course content for Kmu

By Modular Medical Circle

Pathology/Microbiology (Mcqs=23)

S.No.	Topics	Pathoma 2021 edition /Levinson 16 th edition	Robbins 10 th Edition
Renal-2 Module [Mcqs=11]			
1	Basic terms: Azotemia, uremia, Nephrotic syndrome, Nephritic syndrome, asymptomatic hematuria, rapidly progressive glomerulonephritis, Acute kidney injury, chronic kidney disease, end-stage renal disease (ESRD), Renal tubular defects, Nephrosclerosis, UTI, urolithiasis, Hydronephrosis, Oncocytoma and carcinoma, pathogenesis of Nephrotic and Nephritic syndrome	Better to see from Robbins or any other source	P#549-550 [Chapter 14]
2	Glomerular Disease: Nephritic syndrome and Nephrotic syndrome, minimal change disease, segmental glomerulosclerosis, membranoproliferative glomerulonephritis, IgA nephropathy, secondary nephropathies	Page#127-131 [Chapter 12]	page 550-563 [Chapter 14]
3	Acute Tubular Injury (ATI)	Page#126-127 [Ch#12]	page 567 [Chapter 14]
4	Vascular events: Nephrosclerosis, malignant hypertension and Renal Artery stenosis	Not Found	page 569-571 [Chapter 14]
5	Renal function test	Not Found	Not Found
6	Acute kidney injury	Page#125-126 [Ch#12]	page 550+567 [Ch#14]
7	Chronic Renal Failure	Page#132-133 [Ch#12]	Page#572 [Chapter 14]
8	Interstitial and Glomerulonephritis	P#127 [CH#12] interstitial present only	page 564 [Chapter 14]
9	Pyelonephritis	Page#132 [Ch#12]	page 564 [Chapter 14]
10	Cystic Diseases of the Kidney	Page#125 [Ch#12] PKD only	page 573-575 [Chapter 14]
11	Urolithiasis	Not Found	page 576 [Chapter 14]
12	Neoplasms of the Kidneys: Renal cell carcinoma, Wilm's Tumor, Diagnosis and management of renal tumors	Page#133-134 [Ch#12]	page 578 [Chapter 14]

13	Congenital anomalies of bladder	Not Found	Not Found
14	Acute Cystitis	Page#131 [Ch#12]	page 702 [Chapter 18]
15	Chronic Cystitis	Same but both deficient	page 702 [Chapter 18]
16	Obstructive Uropathy {Hydronephrosis}		page 577 [Chapter 14]
17	Tumors of urinary bladder	Page#135 [Ch#12]	page 702 [Chapter 18]
18	BPH	Page#155 [Ch#14]	page 698 [Chapter 18]
19	Carcinoma prostate	Page#156-157 [Ch#14]	page 699 [Chapter 18]
Endocrine & Reproduction-2 Module [mcqs=12]			
1	Pituitary gland- Physiological anatomy	Consult Physiology Book	page 750 [Ch#20]
2	Hyperpituitarism/Pituitary adenomas	Page#159 [ch#15]	page 750-753 [Ch#20]
3	Hypopituitarism	Page#159-160 [ch#15]	page 754 [Ch#20]
4	Hyperthyroidism including Grave`s disease	Page#161-162 [ch#15]	page 756+760 [Ch#20]
5	Hypothyroidism	Page#162 [ch#15]	page 757 [Ch#20]
6	Thyroiditis	Page#163 [ch#15]	page 758 [Ch#20]
7	Multinodular goiter	Page#162 [ch#15]	page 762 [Ch#20]
8	Thyroid malignancies	Page#163-164 [ch#15]	page 763 [Ch#20]
9	Diabetes Mellitus • Classification • Diagnosis • Insulin resistance • Beta cell dysfunction • Complications: Acute & Chronic	Page#166-168 [ch#15]	page 772 [Ch#20]
10	Pancreatic neuroendocrine tumors	Page#168 [ch#15]	page 784 [Ch#20]
11	Hypercortisolism and Cushing`s syndrome	Page#169 [ch#15]	page 785 [Ch#20]
12	Hyperaldosteronism	Page#169 [ch#15]	page 788 [Ch#20]
13	Adrenogenital syndrome		page 789 [Ch#20]
14	Adrenal insufficiency • Primary (Acute and Chronic) • Secondary	Page#170 [ch#15]	page 790 [Ch#20]
15	Adrenal neoplasms	Not Found	page 792 [Ch#20]
16	Pheochromocytoma	Page#170 [ch#15]	page 793 [Ch#20]
17	Multiple Endocrine Neoplasia syndromes (MEN)		page 795 [Ch#20]
18	Testicular tumors	Page#153-154 [ch#14]	page 693 [Chapter 18]
19	Prostatic disorders • Prostatitis • Benign prostatic hyperplasia (BPH) • Prostatic carcinoma	Page#155-157 [ch#14]	page 697-700 [Chapter 18]
20	Sexually transmitted diseases (STDs) • Syphilis • Gonorrhoea	Levinson: P#196-199 [ch#24] & P#127-129 [Ch#16]	Page 704-708 [Ch#20]
21	Introduction to gynecological cancers	See lecture Slides	See lecture Slides
22	Cervical carcinoma	Page#140 [ch#13]	page 717 [Ch#19]
23	Endometritis	Page#142 [ch#14]	page 721 [Ch#19]
24	Uterine fibroids	Page#143 [ch#14]	page 725 [Ch#19]
25	Endometriosis	Page#142 [ch#14]	page 721 [Ch#19]
26	Endometrial hyperplasia and endometrial carcinoma	Page#143 [ch#14]	page 723-724 [Ch#19]

27	Polycystic ovarian disease	Page#144 [ch#14]	page 727 [Ch#19]
28	Tumors of the ovary	Page#145-146 [ch#14]	page 727 [Ch#19]
29	Fibrocystic changes (in breast) • Cysts and fibrosis • Epithelial hyperplasia • Adenosis	Page#172-173 [Ch#16]	page 738 [Ch#19]
30	Fibro-adenoma	Page#173 [Ch#16]	page 738 [Ch#19]
31	Papilloma	Page#172 [Ch#16]	
32	Carcinoma of the breast	Page#173-176 [Ch#16]	page 739 [Ch#19]
33	Gynecomastia	Not Found	page 737 [Ch#19]

Pharmacology (Mcqs=9)

S.No.	Topics	Lippincot 8 th Edition	Tara 4 th Edition	Mini Katzung 12 th Edition
Renal-2 Module [Mcqs=02]				
1	Urinary Tract Infection (UTI)	See lecture slides	See lecture slides	See lecture slides
2	Drugs for benign prostatic hyperplasia	Page#560(Ch#41)	Page#318 (Ch#9)	Page#342(Ch#40)
3	Carcinoma of prostate	page#337(Ch#25)	Page#318 (Ch#9)	Page#342(Ch#40)
Endocrine & Reproduction-2 Module [mcqs=7]				
1	Growth hormone	page#303 (Ch#23)	Page#30 (Ch#9)	Page#316(Ch#37)
2	Growth hormone antagonists (Octreotide and others)	page#304 (Ch#23)	Page#305 (Ch#9)	Page#317(Ch#37)
3	Bromocriptine	Page#110(chap#8) Page#305(chap#23)	Page#308 (Ch#9)	Page#317(Ch#37)
4	Thyroid hormones	Page#306 (ch#23)	Page#309 (Ch#9)	Page#324(Ch#38)
5	Antithyroid drugs	P#307-308 (Ch#23)	Page#312 (Ch#9)	Page#326(Ch#38)
6	Insulin	Page#313 (Ch#24)	Page#341 (Ch#9)	Page#349(Ch#41)
7	Oral hypoglycemic drugs	Page#317 (Ch#24)	Page#348 (Ch#9)	Page#350(Ch#41)
8	Glucagon	Page#316 (Ch#24)	Page#354 (Ch#9)	Page#354(Ch#41)
9	Vasopressin/Desmopressin	Page#306 (Ch#23)	Page#161 (Ch#4)	Page#319(Ch#37)
10	Glucocorticoids	Page#340 (Ch#26)	Page#331-341 (Ch#9)	Page#330(Ch#39)
11	Glucocorticoid antagonists/synthesis inhibitors	Page#344 (Ch#26)	Page#341 (Ch#9)	Page#333-334 (Ch#39)
12	Aldosterone antagonists	Page#345-346 (Chap#26)	Page#341 (Ch#9)	Page# 333-334 (Ch#39)
13	Gonadotropins (FSH & LH) and human chorionic gonadotropin	Page#305 (Ch#23)	Page#306 (Ch#9)	Page#317(Ch#37)
14	Gonadotropin-releasing hormone and analogues (Gonadorelin and others)	Page#304 (Ch#23)	Page#307 (Ch#9)	Page#318(Ch#37)
15	Oxytocin	Page#305 (Ch#23)	Page#362(Ch#10)	Page#319(Ch#37)

16	Oestrogens	Page#326(Ch#25)	Page#318 (Ch#9)	Page#337(Ch#40)
17	Progestins	Page#330(Ch#25)	Page#324 (Ch#9)	Page#338(Ch#40)
18	Oral contraceptives	Page#332-335 (Ch#25)	Page#326 (Ch#9)	Page#339(Ch#40)
19	Parenteral and implantable contraceptives	Page#332-335 (Ch#25)	Page#329 (Ch#9)	Page#339(Ch#40)
20	Ovulation-inducing agent (Clomiphene)	Page#329 (Ch#25)	Page#322 (Ch#9)	Page#341(Ch#40)
21	Mifepristone	Page#332 (Ch#25)	Page#326 (Ch#9)	Page#341(Ch#40)
22	Danazol	Page#336 (Ch#25)	page#317 (Ch#9)	Page#341(Ch#40)
23	Androgens and anabolic steroids	Page#335 (Ch#25)	Page#316 (Ch#9)	Page#341(Ch#40)
24	Antiandrogens	Page#337 (Ch#25)	Page#317 (Ch#9)	Page#342(Ch#40)
25	Male contraception	Not present	Page#331 (Ch#9)	Not present
26	Selective Estrogen Receptor Modulators (SERMs)- Tamoxifen and others	Page#329 (Ch#25)	Page#322 (Ch#9)	Page#340(Ch#40)

Community Medicine (Mcqs=17)

S.no.	Topics	Excell	Hayat 3 rd Edition
Renal-2 Module [Mcqs=11]			
1	Environmental health: Introduction	Page#187	See Lecture Slides
2	Water pollution	Page #190-202	P#252-274 [Ch#10]
3	Water quality management		
4	HIV/AIDS, Syphilis	Page#105 – 108 for HIV/AIDS	Page #166-167 [Ch#5]
5	Chlamydia, Genital warts, Gonorrhea		Page #168-170 [Ch#5]
6	Human Papiloma virus		Page #171-172 [Ch#5]
7	Air Pollution & air quality management	Page#202-206	Page#241-250 [Ch#5]
8	Noise pollution, radiation pollution and its control	Page #210-211 Page#299-302	P#299-300 & P#301-303 [Ch#11]
9	Waste management	Page #214-225	Page#278-280 [Ch#10]
10	Hospital waste management		Page#288-293 [Ch#10]
11	Disasters and health	Page # 321 -328	Page#313-320 [Ch#12]
Endocrine & Reproduction-2 Module [mcqs=6]			
1	Occupational Health & ergonomics: Introduction	Page#227-228	Page#295-298 [Ch#11]
2	Physical hazards		Page#298-304 [Ch#11]
3	Chemical hazards		Page#304-307 [Ch#11]
4	Mechanical, Biological & Psychosomatic hazards		Page#307-308 [Ch#11]
5	Animal hazards	Page #125-127	
6	Preventive measures, health insurance, social security schemes	Page# 233-235	Page#310-311 [Ch#11]

7	Demography: Introduction	Page #165-176	Page#329-338 [Ch#14]
8	Growth rate		
9	Demographic indicators		
10	Iodine deficiency/ Goitre	Page #292 (table)	Page#205 [Ch#8]
11	Non-communicable diseases: Prevention of diabetes mellitus	Page#120-121	Page#187-188 [Ch#7]
13	Introduction to nutrition, basic measurements & allowances	Page #271 -297 (Whole chapter)	Page#195--199 [Ch#8]
14	Macronutrients	Page #274	Page#199-201 [Ch#8]
15	Micronutrients -Vitamin deficiencies allowances & control	Page #275	Page#201-203 [Ch#8]
16	Micronutrients -mineral deficiencies allowances and control		Page#204-205[Ch#8]
17	Undernutrition – Protein calorie malnutrition and control	Page #284	Page#205-2012 [Ch#8]
18	Over-nutrition / obesity and it's control	Page #123	Page#185-186 [Ch#7]
19	Safe motherhood	Page#254	Page#221-230 [Ch#9]
20	Antenatal care	Page#241-243	
21	Family planning and post abortion care	Page#259-270	
22	Child promotion and development strategies (IMNCI, IMCI and growth monitoring)	Page #246 IMNC1 # 313	P#232-238 [Ch#8]
23	Prevention of reproductive health diseases	See Lecture slides	See Lecture slides
24	Breast feeding	Page #248	Page#230-231 [Ch#9]
25	Screening and prevention of breast cancer	See Lecture slides	See Lecture slides

Forensic Medicine (Mcqs=7)

S.no.	Topic	Parikh	Jamiat
Renal-2 [mcqs=1]			
1	Ethics of Organ Transplantation	CH #11 (page 148)	
Endocrine and Reproduction-2 [mcqs=6]			
1	Impotence and sterility	CH #24 - page (381)	CH #12-page (147,148)
2	Sterilization	CH #24- page (385)	CH # 12-page 148
3	Artificial insemination	CH #24- page (385)	
4	Virginity	CH #25- page (389)	CH #13-page 157
5	Pregnancy	CH #25- page (392)	CH #13-page 158
6	Delivery	CH #25- page (397)	CH #13-page 162
7	Legitimacy & dissolution of marriage	CH #26- page (401)	
8	Natural sexual offences: Rape & Incest	CH #27-Page(405-419)	CH #12-page 150
9	Zina	Not Present	
10	Unnatural sexual offences Sodomy	CH #28-Page(424)	CH #12-page 149,154
11	Sexual perversions	CH #29-Page(428)	CH #12-page 155
12	Abortion	CH #30-Page(430)	CH #13-page 164

Gynaecology and Obstetrics (Mcqs=40)

S.no	Topic	Ten Teachers	Arshad Chohan [International Edition 2022]
Renal-2 module [Mcqs=1]			
1	Asymptomatic bacteriuria		
2	Acute symptomatic urinary tract infections		page#153(CH#16&17)
Endocrine and Reproduction-2 Module [mcqs=39]			
1	Anatomy of the reproductive tract	Page# 4-14 (CH#01)	Page#01-13 (CH#01)
2	Menopause	Page#105-119 (CH#08)	Page#59 (CH#08)
3	Contraception	CH#06	Page#125(CH#13)
4	Polycystic ovary syndrome	CH#03	Page#33 (CH#5)
5	Uterine fibroids	CH#12	Page#207 (CH#33)
6	Endometrial cancers	CH#12	Page#220-228(CH#24)
7	Cervical carcinomas	CH#12	Page#237-244(CH#25)
8	Female infertility	CH#07	Page#105-110 (CH#12)
9	Malignant diseases of the ovaries	CH#14	Page#257(CH#27)
10	Uterovaginal prolapse	Page#146-153	Page#175(CH#19)
11	Urinary incontinence	Page#152	Page#189(CH#21)
12	Endometriosis	Page#158-165	Page#139(CH#14)
13	Abnormal uterine bleeding	Page#49-57	Page#39 (CH#06)
14	Miscarriage	Page#60-61	Page#67(CH#9)
15	Ectopic gestation	Page#62-65	
16	Gestational trophoblastic diseases (GTDs)		
17	Vaginal discharge and STDs		

Note: Now gynecology is excluded from final year and is taught in 4th year so carefully and thoroughly study the above mentioned topics.

General Surgery/Urology (Mcqs=9)

S.no	Topic	Dogers or any other source
Renal-2 [mcqs=6]		
1	Renal transplant surgery	
2	Kidney Stones	Page#218-223
3	Renal trauma	Page#214-15
4	Pelvic Ureteric junction obstruction in adult (PUJO)	Page#217
5	Anomalies of renal fusion and ascent	Page#212-214
6	Renal Cell Carcinoma (RCC)	Page#227-229

7	carcinoma of urinary bladder	Page#235-238
8	Enlarged Prostate	Page#241-245
9	Carcinoma prostate	Page#245-248
10	Urinary Incontinence	Page#238-23
11	Urethral strictures	
12	Posterior urethral valve	
Endocrine and Reproduction-2 [mcqs=3]		
1	Causes of male infertility	
2	Cryptorchidism	Page#262
3	Hydrocele and varicocele	Page#263-265
4	Benign prostatic hyperplasia	Page#241-245
5	Carcinoma of prostate	Page#245-248
6	Investigations of breast diseases	Page#326
7	Benign breast diseases	Page#326-331
8	Malignant breast diseases	Page#332-337

Medicine (Mcqs=10)

S.no	Topic	Step up	Irfan Masood
Renal-2 [mcqs=5]			
1	Interpretation of urinalysis		
2	Nephrotic syndrome	CH#7-page 281	CH#4-page 101
3	Nephritic syndrome	CH#7-page 284, 285	CH#4-page 96
4	Electrolytes abnormalities <ul style="list-style-type: none"> • Hyponatremia • Hypernatremia • Hypokalemia • Hyperkalemia 	CH#8-page 303-324	
5	Acute Kidney Injury (AKI)	CH#7-page 269	CH#4-page 81
6	Chronic Kidney Disease (CKD)	CH#7-page 276-278	CH#4-page 88
7	Renal Replacement Therapy (RRT)		CH#4-page 91
8	Autosomal Dominant Polycystic Kidney Disease (ADPKD)	CH#7-page 289	CH#4-page 118
9	Urinary Tract Infections (UTIs)	CH#10-page 380	CH#4-page 106
Endocrine and Reproduction-2 [mcqs=5]			
1	Acromegaly/Gigantism	CH#4-page 177, 178	CH#7-page 328
2	Hyperprolactinemia	CH#4-page 176	CH#7-page 326
3	Hypopituitarism/Sheehan's syndrome	CH#4-page 178	CH#7-page 329
4	Diabetes mellitus <ul style="list-style-type: none"> • Types • Insulin resistance syndromes • Clinical features investigations • Treatment • Complications 	CH#4-page 190	CH#8-page 341
5	Hypoglycemic coma	CH#4-page 203	CH#7-page 336
6	Diabetic ketoacidosis	CH#4-page 200	CH#8-page 351

7	Hyperosmolar non-ketotic diabetic coma	CH#4-page 201	CH#8-page 355
8	Lactic acidosis		CH#8-page 357
9	Posterior pituitary gland	CH#4-page 176	CH#7-page 331
10	SIADH	CH#4-page 180	CH#7-page 333
11	Hypercortisolism and Cushing's syndrome	CH#4-page 183	CH#7-page 315
12	Primary Hyperaldosteronism	CH#4-page 186	CH#7-page 318
13	Adrenogenital syndrome	CH#4-page 190	CH#7-page 324
14	Adrenal insufficiency <ul style="list-style-type: none"> • Primary (Acute and Chronic) • Secondary 	CH#4-page 188	CH#7-page 320
15	Adrenal neoplasms	CH#4-page 180	CH#7-page 333
16	Pheochromocytoma	CH#4-page 183	CH#7-page 315
17	Gastro-entero-pancreaticoneuroendocrine tumors (GEP-NETs) including Carcinoid tumors	CH#4-page 186	CH#7-page 318

Pediatrics (Mcqs=3)

S.No.	Topic	Pervez Akbar 10 th Edition
Renal 2 module [Mcqs=2]		
1	Acute post streptococcal glomerulonephritis (ApGN)	P#516-519 [Ch#23]
2	Nephrotic syndrome (NS)	P#522-527 [Ch#23]
3	Urinary tract infection (UTI)	P#523-538 [Ch#23]
Endocrine and Reproduction 2 Module [Mcqs=1]		
1	Short stature	P#448-451 [Ch#19]
2	Congenital hypothyroidism	P#454-456 [Ch#19]
3	Management of Type 1 Diabetes mellitus in children	P#466 [Ch#19]

Family Medicine (Mcqs=2)

S.No.	Topics	Source if any
Renal 2 module [Mcqs=1]		
1	Acute renal presentations- primary care management and Red flags	
Endocrine and Reproduction 2 Module [Mcqs=1]		
1	Menstrual disorders	
2	Menopause	
3	Contraception	
4	Vaginal discharge and STDs	

Recommended Resources for Block L

A) Pathology [Renal, Endocrinology, Reproductive From]

1. Pathoma book + lectures
2. First Aid
3. BnB
4. Dirty medicine YouTube channel
5. Sketchy lectures (For Micro)

B) Pharmacology:

1. Kaplan
2. First Aid
3. Sketchy
4. Speedy Pharmacology

C) Forensic Medicine ----> Sexual assault and other related chapters from: Parikh

D) Community Medicine:

1. Excell
2. Selfless medicose YouTube channel

E) Medicine: Kaplan and Step-up

F) Surgery [Urology from]:

1. Dogger
2. Selfless medicose YouTube channel

G) Gynaecology:

1. Kaplan
2. Lecture slides

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Block M1 (ENT Module)

Fourth Year MBBS KMU

By Modular Medical Circle

Total MCQs=90

S. No	Topic	Dhingra 7 th Edition
1	Anatomy & physiology of oral cavity, Pharynx & salivary glands	Chap 42 [Page 243] Chap 47 [Page 269-273]
2	Acute Pharyngitis	Chap 50 [Page 287-289]
3	Chronic Pharyngitis	
4	Acute Tonsillitis/ Peritonsillar abscess (Quinsy)	Page 291-294 [Chap 51] & P#298-299 [Chap 52] Quinsy
5	Chronic Tonsillitis	Page 294-295 [Chap 51]
6	Oral ulceration	Page 245-247 [Chap 43]
7	Trauma to the palate and Oropharynx	See Lecture Slides
8	Carcinoma of oral cavity	Chap 44 [Page 254-258] (Give read to whole Chap 44 as benign tumors are also imp)
9	Approach to a patient with sore throat	Slides/ENT history taking OR See Clinical book like Macleods
10	Anatomy & physiology of salivary glands	Consult anatomy book
11	Non neoplastic disorders of the salivary glands	Chap 45 [Page 259-262]
12	Sialolithiasis and sialectasis	
13	Neoplasm of salivary glands	Chap 46 [Page 263-265]
14	Complications of salivary gland surgeries	See Lecture Slides
15	Dysphagia & Plummer Vinson Syndrome	Chap 69 [Page 393-394] & Page 388 [Chap 68] (Plummer Vinson syndrome)
16	Pharyngeal and esophageal Pouches	Page 310 [Chap 54] Give a read to Esophageal pouches (Esophageal diverticulum) from other sources
17	Oropharyngeal Tumors	Chap 53 [Page 305-308]
18	Hypo-pharyngeal Tumors	Page 309-310 [Chap 54]
19	Tumors of Esophagus	Page 390 [Chap 68]
20	Anatomy of Potential neck spaces	Consult Anatomy Book
21	Applied anatomy of potential spaces in & around the larynx and neck	Chapter 56 (Page 319-323)
22	Applied anatomy & physiology of Larynx/neck, Voice physiology	
23	Acute Laryngitis	Page#327-328 [Chap 58]
24	Chronic Laryngitis	Page#329-331 [Chap 58]
25	Vocal nodules & vocal polyps	Chap 61 [page 343-346]
26	Vocal cord paralysis	Chap 60 [Page 337-341]

27	Stridor	Page# 333-335 [chap 59]
28	Apyrexial causes of stridor	
29	Pyrexial causes	
30	Laryngeal trauma	Chap#57 [Page #325-326]
31	Acute Respiratory obstruction	Not Found. See Slides
32	Laryngotracheal Foreign body	Chap 65 [Page#365-367]
33	Malignant Tumours of the Larynx / Carcinoma of Larynx	Page #347-353 [chap 62]
34	Approach to a patient with hoarseness	Chap 63 Page 355
35	Applied Anatomy and Physiology of Ear	chap 1 [Page#3-13]
36	Trauma to External Ear and the Temporal Bone	Page #58 [chap 8]
37	Otitis Externa	Page #54-55[chap 8]
38	Acute Suppurative otitis media	chap 10 [Page #67-72]
39	Chronic Suppurative Otitis Media without chloesteatoma	chap 11 [Page #73-82]
40	Chronic Suppurative Otitis Media with Cholesteatoma	
41	Complications of Suppurative Otitis Media	chap 12 [Page #83-94]
42	Mastoiditis: Acute and Chronic	
43	Acoustic Neuroma	chap 18 [Page #125-127]
44	Approach to patient with a Conductive hearing loss	Chap 5 [Page 31-42]
45	Approach to patient with a Sensorinueral Hearing Loss(SNHL)	
46	Vertigo Vestibular Neuronitis Meniere's Diseases BPPV	Page #47-50 chap 7 and Chap 15 [Page#111-119]
47	Approach to a deaf patient	Chap 15 [Page 129-134]
48	Approach to Management of Deaf Child	
49	Applied Anatomy, Physiology of Nose & Paranasal Sinuses	Chap 23 & 24 [Page 149-159]
50	Diseases of the Nasal Septum	Chap 26 [Page 165-169]
51	Sino-Nasal Polyposis	Chap 32 [Page 193-196]
52	Fungal Rhinosinusitis	Page 220 [Chap#37]
53	Sino-Nasal Tumors	chap 39 and 40 {Page#227-230}
55	Trauma to Nose and Face and CSF rhinorhhea	Chap 34 [Page 203-208] & Page 183-185 [Chap 29]
56	Headaches and Facial Pain	See Slides/Consult Medicine Book
57	Granulomatous Diseases of the Nose	chap 28 [Page #175-179]
59	Adenoids	ch#48 [Page 275-277]
60	Juvenile Nasopharyngeal Angiofibroma	Ch#49 [Page 279-286]
61	Nasopharyngeal Carcinoma	
62	Acute Sinusitis	ch#36 [Page 213-216]
63	Chronic Sinusitis	Ch#37 [Page 217-221]
64	Complications of Sinusitis	Ch#38 [Page 223-226]
65	Allergic Rhinitis (AR) and Non- allergic	ch#30 [Page 187-190] ch#31 [Page 191-192]

66	Infective Rhinitis: Acute. & Chronic	ch#27 [Page 171-174]
67	Foreign Body, Rhinolith, Maggots Nose	ch#29 [Page 181-183]
68	Approach to a patient with Epistaxis	ch#33 [Page 197-201]
69	Para pharyngeal Abscess	Page 299-303 [Ch#52]
70	Retropharyngeal Abscess	
71	Submandibular Abscess	Not Found
73	Trauma of the Larynx and Neck	Chap 57 [Page 325-326]
74	Approach to a neck swelling	See lecture slides. You can study neck masses at chap 77 [Page 445-450]
75	Evaluation of metastatic lymph nodes and occult primary in Neck (Occult Primary).	Chap 77 [Page 449-450]

ENT Recommended Books:

1. Dhingra OR Iqbal Hussain Udaipurwala
2. Naseem Sherzad (For revision)

ENT Recommended Lectures:

1. DAMS Lectures
2. Prepladder
3. Selfless Medicose (Youtube)

Note:

1. ENT course also contain many clinical topics like various examinations, surgeries and instruments which will be tested on OSCE/OSPE. For Details see KMU modular guide for M1 Block.
2. Page numbers vary in each edition of the same book, if page numbers in your book does not tally with ones given above, kindly look for chapter numbers.
3. For any query, message our Facebook /Instagram page.

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Block M2 (Eye Module)

Fourth Year MBBS KMU

By Modular Medical Circle

Total MCQs=90

S.no	Topics	Jatoi 6 th edition
1	Standards Of Vision and Blindness	Chapter:24 [Pg#302-303]
2	Pupil Reflexes and Drugs Used In Common Eye Conditions	P#237-238 [Ch#18] For drugs see lecture slides
3	Visual Pathway and Visual Field Defects	Chapter:17 [page:231-233]
4	Optical Coherence Tomography (OCT) and Visual fields (VF)	Page# 19 & 24 [Chapter:04]
5	Fundus Fluorescein Angiography (FFA) and Ultrasonography	page#21-23 [Chapter:04]
6	Optics & Eye	Scattered in the book, better to see lecture slides
7	Refractive Errors	Chapter:21 [page #271-278]
8	Correction of Refractive Errors	{Study Whole Chapter#21}
9	Differential Diagnosis Of Lid Bumps	page#25-29 [Chapter:05]
10	Chalazion, Styel	page# 26-29 [Chapter:05]
11	Tumors of Eyelids	page #41-44 [Chapter:05]
12	Management of Lid Bumps	page# 41-44 [Chapter:05]
13	Ptosis	page #37-41 [Chapter:05]
14	Trichiasis, Entropion and Ectropion	page#32-37 [Chapter:05] {Study Whole Ch#5}
15	Proptosis – Basics	See Lecture Slides
16	Preseptal and Orbital Cellulitis	page#247-249 [Chapter:19]
17	Thyroid Eye disease (TED)	page #252-255 [Chapter:19]
18	Myasthenia Gravis & Migraine	See lecture slides
19	Red eye	Chapter:13 [page#181-184]
20	Corneal Inflammations/Infections	Chapter:08
21	Bacterial Keratitis	page #85-86 [Chapter:08]
22	Fungal, Viral & Acanthamoeba Keratitis	page #90-93 [Chapter:08]
23	Dacryocystitis	page #48-50 [Chapter:06]
24	Dry Eyes	page #52-53 [Chapter:06]
25	Blepharitis	page #29-31 [Chapter:05]
26	Pterygium, PseudoPterygium, Episcleritis & Scleritis	page #74-76 [Chapter:07], & Chapter:09 {Page 109-112}
27	Basic Concepts In Ocular Trauma	page #257 [Chapter 20]
28	Open Globe Injury (OGI) / IOFB/ Sympathetic Ophthalmia (SO)	page #262 [Chapter 20] {Study whole Chapter 20}
29	Closed Globe Injury (CGI) Orbital Floor Injury	page #258,259 [Chapter 20]
30	Radiation, Thermal, Chemical Injuries	page #266 [Chapter 20]
31	Visual Rehabilitation	See lecture slides

32	Uveitis – Basics	Chapter :12 Pg#164-165
33	Anterior & Posterior Uveitis	Chapter:12 Pg#165-170
34	Visual Loss & Intraocular Pressure (IOP)	For visual loss see lecture slides For IOP/glaucoma: Ch#11 [P#135-146]
35	Open angle glaucoma	Chapter:11 Pg#147-149
36	Primary Angle Closure Glaucoma (PACG)	Chpater:11 Pg#149-153
37	Neovascular Glaucoma & Lens Induced Glaucoma	Chapter:11 Pg#154-155
38	Treatment Options In Glaucoma	Chap:11 [scattered from Pg#159-162] {Studying whole Ch#11 is recommended}
39	Cataract	Chpater:10 Pg#115-123
40	Cataract Surgery Complications	Chpater:10 Pg#128-130
41	Corneal Ectasia, Dystrophy & Degeneration	Chapter:8 Pg#103-105
42	Diabetic Eye Disease	Chapter:15 Pg#191-197
43	Hypertensive Retinopathy	Chapter:15 Pg#197-198
44	Central Retinal Vein Occlusion (CRVO) and	Chapter:15 Pg#199-201
45	Central Retinal Artery Occlusion (CRAO)	Chapter:15 Pg#202-203
46	Retinal Detachment (RD)	Chapter:15 [Pg#209-212] {Study of whole Ch#15 is recommended}
47	Choroidal Melanoma	See lecture slides
48	Night Blindness – Retinitis Pigmentosa, Vit. A Deficiency	RP: Chapter:15 (pg#216-218) Vit A def: chapter:7 (pg#77-78)
49	Optic neuritis	Chapter:16 Pg#225-227
50	Hereditary, Nutritional & Toxic Optic Neuropathies	Chapter:16 Pg#228-229
51	Papilledema	Chapter:16 Pg#223-225
52	White pupil (leukocoria) and Retinoblastoma (RB)	Chapter:15 Pg#218-220
53	Congenital Cataract	Chapter:10 Pg#115-118
54	Congenital Glaucoma	Chapter:11 Pg#156-159

55	Amblyopia	Chpater:22 Pg#282-283
56	Squint – Basics	Chapter:22 Pg:283-284
57	Concomitant Squint Esotropia	Chapter:22 Pg#284-288
58	Exotropia	Chpater:22 Pg#288-289
59	Diplopia & Incomitant Squint	Chapter:22 [Pg#289-291] {Study of whole Ch#22 is recommended}

EYE Recommended Books:

1. Jatoi
2. Naseem Sherzad

EYE Recommended Lectures:

1. DAMS Lectures
2. Prepladder
3. Selfless Medicose (Youtube)

Important Note:

1. "Applied anatomy and physiology" topic at the start of each chapter should be studied before starting any topic/whole chapter for better understanding.
2. If 1-3 (few) topics from a chapter are not included in the course and the rest whole chapter is included, it is advisable to study whole chapter.
3. EYE course also contain many clinical topics like various examinations, surgeries and instruments which will be tested on OSCE/OSPE. For Details see KMU modular guide for M2 Block.
4. Page numbers vary in each edition of the same book, if page numbers in your book does not tally with ones given above, kindly look for chapter numbers.
5. For any query, message our Facebook /Instagram page.

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