

Block I (CVS-2 & Respiratory-2 modules)
Third Year Mbbs course content for Kmu
 By Modular Medical Circle

Pharmacology (Mcqs=17)

S.no.	Topic	Katzung Review	Lippincot	Tara
CVS-2 Module (mcqs=12)				
1	Antianginal drugs	Ch#12(P#103-111)	Ch#20(P#259-265)	P#125-137 Ch#3
2	Lipid lowering drugs	Ch#35(P#296-303)	Ch#22(P#287-297)	P#156-160 Ch#3
3	Anticoagulant drugs	P#284-290 (Ch#34)	Ch#21 (P#268-284)	P#310-324 Ch#8
4	Antiplatelet and thrombolytic drugs			
5	Antihypertensive drugs	Ch#11 (P#93-102)	Ch#16(P#203-215)	P#110-124 Ch#3
6	Drugs used in heart failure	Ch#13 (P#112-121)	Ch#18 (P#231-246)	P#137-146 Ch#3
7	Antiarrhythmic drugs	Ch#14(P#122-131)	Ch#19(P#248-257)	P#146-155 Ch#3
Respiratory-2 Module (mcqs=5)				
8	Anti-tussives	Not Present	Deficient	P#276-277 Ch#6 (given short)
9	Cough Suppressants			
10	Expectorants			
11	Tuberculosis	P#397-399(Ch#47)	P#413-419(Ch#32)	P#452-460 Ch#11
12	Asthma	Ch#20(P#172-180)	P#527 Ch#39	P#278-284 Ch#6

Pathology/Microbiology (Mcqs=42)

S.no.	Topic	Robbins/Levinson	Pathoma/Sketchy
CVS-2 Module (mcqs=20)			
1	Atherosclerosis (+Arteriosclerosis)	Robbins; Ch#10 P#369-378	Pathoma; P#68-69 Ch#7
2	Ischemia and infarction	Robbins; Ch#11 P#408-419	Pathoma; P#73-76 Ch#8
3	Blood pressure regulation	Robbins; Ch#10 P#364-365	Not Present
4	Shock (+sepsis)	Robbins; Ch#4 P#115-119 OR Levinson; Ch#79 P#666-669	Not Present
5	Hypertension	Robbins; Ch#10 P#366-368 + Robbins;Ch#11 P#420-422	Pathoma; P#67-68 Ch#7
6	Aneurisms	Robbins; Ch#10 P#378-382	Pathoma; P#70 Ch#7
7	Aortic dissection		
8	Vasculitis	Robbins; Ch#10 P#382-396	Pathoma; P#65-66 Ch#7
9	Diseases of veins		Deficient (only vascular tumors is present=P#71)

10	Congestive heart failure	Robbins; Ch#11 P#399-408	Pathoma; P#76-78 Ch#8
11	Congenital heart diseases		
12	Valvular heart diseases		
13	Rheumatic fever	Robbins; Ch#11 P#422-435	Pathoma; P#78-84 Ch#8
14	Rheumatic heart disease		
15	Endocarditis		
16	Cardiomyopathies		
17	Thrombosis and Embolism	Robbins; Ch#4 P#106-114	Pathoma; P#36-39 Ch#4
Respiratory-2 Module (mcqs=22):			
1	Legionella		
2	H-Influenza	Levinson; Ch#19 P#167-171	
3	Bordetella		
4	Mycoplasma	Levinson; Ch#23 P#193-194	
5	Mycobacterium Tuberculosis	Levinson; Ch#21 P#179-186 + Robbins; Ch#13 P#526-531	Pathoma; P#89 Ch#9
6	Atelectasis		Not present
7	Acute Lung injury (ARDS)	Robbins; Ch#13 P#495-512	Pathoma; P#94-95 Ch#9
8	Obstructive Pulmonary disease		Pathoma; P#89-93 Ch#9
9	Restrictive or infiltrative lung		
10	Granulomatous diseases	Robbins; Ch#13 P#512-515	Not present
11	Diseases of vascular origin	Robbins; Ch#13 P#515-519	Deficient (only pulmonary HTN is present=P#94)
12	Pulmonary Infections (pneumonia)	Robbins; Ch#13 P#519-526	Pathoma; P#86-88 Ch#9
13	Lung abscess	Robbins; Ch#13 P#525	Not present
14	Empyema	Robbins; Ch#13 P#525 but is deficient so better to cover from an online resource/teacher slides	Not present
15	lung tumors	Robbins; Ch#13 P#537-544	Pathoma; P#95-98 Ch#9
16	Pleural lesions	Robbins; Ch#13 P#544-545	Deficient
17	Laryngeal tumors	Robbins; Ch#13 P#546-547	P#86 (only 3 lines given)

Note: 1. For respiratory pathology from Robbins Cover whole Chapter#13 (LUNGS) except the following topics: (i) Non-tuberculous mycobacterial disease (P#532) (ii) histoplasmosis, coccidioidomycosis and blastomycosis (P#532) (iii) Opportunistic fungal infections (535) (iv) pulmonary disease in HIV infection (537) (v) lesion of upper respiratory tract (acute infection) (545) (vi) nasopharyngeal carcinoma (546) as all these are short topics so I would suggest to cover whole chapter including these topics.

2. Above topics are shuffled for proper sequence.

Forensic Medicine (Mcqs=13)

S.no.	Topics	Jamiat (SAFE KMC)	Parikh
CVS-2 Module (mcqs=4):			
1	Chest trauma	P#74 (Ch#6) Short	P#319-322 (Ch#20)
2	Sudden death	P#127-128 (Ch#10)	P#149-152/Q#11.3 (Ch#11)
3	Cardiac poisons	Not present	Ch#57 (P#671-674)
Respiratory-2 Module (mcqs=9):			
1	Asphyxia (General Aspects)	Ch#9 P#91-108 Whole Chapter	Ch#13 Page#180-207 Whole Chapter
2	Hanging		
3	Mechanical asphyxia (Strangulation)		
4	Drowning		
5	Suffocation		
6	Smothering		
7	Chocking		
8	Gagging		
9	Overlaying		
10	Sexual asphyxia		
11	Traumatic asphyxia	P#74 (Ch#6)	
12	Asphyxiant (CO)	P#225-226 (Ch#16)	Ch#58 Page#679-685 Whole Chapter
13	CO2	P#240 Very Short	
14	H2S	P#245 Very Short	
15	War gases	P#226 (Ch#16)	

Community Medicine (Mcqs=8)

S.no.	Topics	Excell/Any other source
CVS-2 Module (mcqs=2):		
1	Non-communicable diseases: Cardiovascular diseases of public health importance	Excel; P#119-120 (Ch#5)
2	Hypertension	Excel; P#121-123 (Ch#5)
Respiratory-2 Module (mcqs=6):		
1	Tuberculosis	Excel; P#95-101 (Ch#4)
2	Influenza and COVID-19 infection	
3	Asthma	
4	Pneumoconiosis	Excel; P#229-232 (Ch#13)
5	Diphtheria and Pertussis	Excel; P#68-70 + 80-82 (Ch#4)

Medicine (Mcqs=15)

S.no.	Topics	Source
CVS-2 Module (mcqs=13):		
1	Coronary Heart disease (Chronic Stable Angina)	Step-up to Medicine; P#1-7 (Ch#1)
2	Acute coronary syndrome (MI)	Step-up to Medicine; P#7-14 (Ch#1)
3	Hypertrophic cardiomyopathy	Step-up to Medicine; P#33/34 (Ch#1)
4	Hypertension	Kaplan Medical; P#312-316
5	Heart failure	Step-up to Medicine; P#15-21 (Ch#1)
6	Disorders of heart rate and rhythm (Arrhythmias and heart blocks)	Step-up to Medicine; P#21-33 (Ch#1) [imp; topics: heart blocks, atrial fibrillation, ventricular tachycardia, ventricular fibrillation]
7	Pulmonary embolism	Step-up to Medicine; P#102-109 (Ch#2)
8	Pulmonary hypertension	
9	Myocarditis	Step-up to Medicine; P#35/36 (Ch#1)
10	Pericardial diseases	Step-up to Medicine; P#35-39 (Ch#1)
Respiratory-2 Module (mcqs=2):		
1	Respiratory symptoms	
2	differential diagnosis (of granulomatous inflammation including TB)	
3	Pulmonary TB	Step-up to Medicine; P#370-372 (Ch#10)
4	COPD	Step-up to Medicine; P#69-74 (Ch#2)
5	Asthma	Step-up to Medicine; P#74-77 (Ch#2)
6	Respiratory failure	Step-up to Medicine; P#94-97 (Ch#2)
7	Pneumothorax	Step-up to Medicine; P#84-86 (Ch#2)
8	Pleural effusion	Step-up to Medicine; P#82-84 (Ch#2)

Note: These references are taken from a PDF Version of the book that's why it is advisable to look for the respective topics in the content pages of the mentioned book to avoid any confusion. Chapter number could help you in this regard.

Pediatrics (Mcqs=8)

s.no.	Topics	Source
CVS-2 Module (mcqs=3):		
1	Cyanotic and acyanotic congenital heart disease	Pervez Akbar Paeds; P#336-350 Ch#13...Cardiovascular Diseases
2	Rheumatic fever	Pervez Akbar Paeds; P#258-264 Ch#10...Infectious Diseases

Respiratory-2 Module (mcqs=5):		
1	Childhood Pneumonia	Pervez Akbar Paeds; P#281-285 Ch#11...Respiratory Disorders
2	ARIs(Croup and Epiglottitis)	Pervez Akbar Paeds; P#271-274 Ch#11...Respiratory Disorders
3	Respiratory distress syndrome(RDS)	Pervez Akbar Paeds; P#140-143 Ch#9...Neonatology
4	Reactive air way disease.	
5	Cystic fibrosis and bronchiectasis	Pervez Akbar Paeds; Ch#11...Respiratory Disorders

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ENT (Mcqs=6)

S.no.	Topics	Source
Respiratory-2 Module:		
1	Larynx anatomy	Dhingra; Ch#56 (P#319-323)
2	Laryngitis	Dhingra; Ch#58 (P#327-332)
3	Non –Neoplastic laryngeal lesions	Dhingra; Ch# 61 (P#343-346)
4	Neoplastic laryngeal lesions	
5	Vocal cord Palsy	Dhingra; Ch#60 (P#337-341)
6	Emergency Tracheotomy	Dhingra; Ch#64 (P#359-363)

Note: these references are taken from a PDF version of Dhingra, That's why use chapter numbers if page numbers don't match.

Anatomy (Mcqs=2)

S.no.	Topics	Source
CVS-2 Module:		
1	Gross anatomy of heart, valves and coronary arteries	
Respiratory-2 Module:		
2	clinical anatomy of thorax including thoracic wall, lungs and trachea-bronchial tree anatomy	
3	different developmental stages of lung with its congenital anomalies	

Physiology (Mcqs=2)

S.no.	Topics	Sources
CVS-2 Module:		
1	Cardiac cycle	
2	physiology of heart sounds and murmurs	
Respiratory-2 Modules:		
3	Mechanics of ventilation, different volumes and capacities of lungs and respiratory gas exchange.	

Biochemistry (Mcqs=2)

S.no.	Topics	Sources
CVS-2 Module:		
1	Lipoproteins and cholesterol	
Respiratory-2 Module:		
2	Effects of hyperventilation (e.g. Anxiety) and hypoventilation (e.g. COPD) on pH and blood gases, HCO ₃ and electrolytes.	

BOOKS WITH EDITIONS WHOSE REFERENCES ARE GIVEN:

1. Katzung & Trevor's Pharmacology Examination and Board Review (**Mini Katzung**) 12th Edition
2. Lippincott Pharmacology 7th Edition
3. Tara Pharmacology 5th edition
4. Robbins Basic Pathology (**Medium Robbins**) 10th Edition
5. Pathoma 2021 Edition
6. Parikh Forensic Medicine and Toxicology 9th edition
7. Jamiat Forensic Medicine and Toxicology (SAFE KMC) 10th edition
8. Excel Community Medicine and Public Health 13th Edition
9. Step-Up to Medicine 5th edition (PDF Version)
10. PL Dhingra (ENT) 7th Edition (PDF Version)
11. Pervez Akbar, Basics of Pediatrics, (PDF Version)

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