

For the Third Year MBS Students of Khyber Medical University

Block H

Modules: Multisystem-1, Blood and Immunology-2 & MSK-2

- Note:** 1. Edition to Edition variations occurs in page numbers of the same book so tally your book with editions used in preparing this document given at the end.
 2. This document has some deficiencies which will be fulfilled soon and will be shared then.
 3. If you found any error in this document kindly message our facebook/Instagram page.

Pharmacology (Mcqs=20)				
Multisystem-I Module (Mcqs=12):				
S.No.	Topics	Lippincot	Tara (5th edition)	Katzung Review
1	Introduction to the pharmacology of Autonomic Nervous System (ANS)	Unit-II (Ch#3-7) Page#37-102	Ch#2...Drugs acting on ANS (Whole Chapter)	Ch#6 (P#47), Ch#7 (P#60), Ch#8 (P#69), Ch#9 (P#76), Ch#10 (P#85)
2	Cholinomimetic drugs (Parasympathomimetic drugs)	Whole Unit	Page#52-109	(UNIT: II... Whole)
3	Anticholinergic drugs (Parasympatholytics)			
4	Ganglion-blocking drugs			
5	Sympathomimetic drugs			
6	Sympatholytic drugs (Adrenoceptor antagonists)			
7	Anticancer drugs	Ch#35 (Page#454-480)	Page#504-516 (Ch#11)	Ch#54 (P#450)
8	Eicosanoids- Prostaglandins	Page#508-511 (Ch#38)	Page#257-260 (Ch#6)	Ch#18 (P#161)
9	Dermatologic preparations; creams, ointments, gels, lotions, pastes, powders, tinctures and wet dressings	Not Present (Search online)	Not present (Search online)	Not Present (Search online)
10	Drug treatment of scabies	Not Present	Page#538-539 (Ch#12)	Not Present
11	Drug treatment of Acne vulgaris	P#573-575 (Ch#43)	Page#543 (Ch#12)	Not Present
12	Drug treatment of Psoriasis	P#578-581 (Ch#43)	Page#539&542-543 (Ch#12)	Not Present
13	Herbal medications	Not Present	Not present	Ch#60 (P#507)

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Blood and Immunology Module (Mcqs=3):				
14	Drugs used in anemia	Ch#42 (Page#565-569)	Tara: Page#324-332 (Ch#8); Topic: haematinics & erythropoietin	Ch#33 Page#275
15	Immune modulator drugs	Ch#36 (Page#481-489)	P#519 (Ch#12) Topic: immune-suppressants and immunostimulants	Ch#55 (P#463)
16	Anti-plasmin (antifibrinolytic) drugs	Not a clear topic better to cover from tara	Page#321 (Ch#8)	Ch#34 P#284 Selective topics: drugs used in bleeding disorders (290), Vit. K, Clotting factors and desmopressin, Antiplasmin agents.
17	Drug treatment of Haemophilia	Not a clear topic better to cover from tara	P#311-312 (Ch#8) under the topic of Systemic Agents	
Musculoskeletal-2 Module (mcqs=5):				
18	NSAIDs	P#511-517 (Ch#38)	Tara: P#260-269 (Ch#8)	Ch#36 P#304
19	Drug affecting Bone & Mineral Homeostasis	Ch#27 (Page#349-351)	P#389-396 (Ch#9)	Ch#42 P#357
20	Pharmacotherapy of Gout	Page#518-522 (Ch#38)	P#269-276 (Ch#6)	Ch#36 P#304
21	Pharmacotherapy of Rheumatoid Arthritis			
22	Skeletal muscle relaxants	P#173 (Ch#13) Very Short, better to cover from tara	Page#77-83 (Ch#2)	Ch#27 P#225
23	Drugs used for dermatological disorders	Ch#43 (P#572-581)	P#536-537 (Ch#12)	Not Present

Pathology/Microbiology (Mcqs=51)

Multisystem-2 Module (Mcqs=16):			
S.no.	Topics	Robins/Levinson	Pathoma/Sketchy
1	Genetics	Robbins: Ch#7...Genetics portion Only Page#243-272	Genetics is not present in PATHOMA; must cover it from Robbins
2	Mutations		
3	Transmission pattern of single Gene disorders		
4	Biochemical and molecular basis of single gene disorders		
5	Complex multigenic disorders		
6	Cytogenetic Disorders involving Autosomes		
7	Molecular genetic diagnosis		
8	Introduction to Neoplasia	Robbins: CH#6...Neoplasia (Whole Chapter)	Pathoma: Ch#3, P#23-30 Note: topics like Characteristics of Benign and malignant tumours, Molecular Basis of cancer and Diagnosis of Cancer ARE DEFICIENT
9	Nomenclature of Tumors		
10	Characteristics of Benign and Malignant Tumors		
11	Epidemiology of Cancer		
12	Molecular Basis of Cancer		
13	Carcinogenesis		
14	Types of Carcinogens		
15	Clinical Aspects of neoplasia		
16	Diagnosis of Cancer		
17	Pathways for tumor spread		
18	Grading and Staging of tumors		
19	Tumor immunity	Levinson: Ch#67 (P#571) Whole Chapter	NOT PRESENT
Blood and Immunology Module (Mcqs=22):			
20	Anemia	Robbins: Ch#12...Hematopoietic And Lymphoid System (Whole Chapter) Page#441-493	Pathoma: Ch#5...RBC disorders (Whole Chapter) Page#41-52
21	Blood loss (Anemia)		
22	Hereditary Spherocytosis		
23	Sickle cell Anemia		
24	Thalassemia		
25	Glucose 6 phosphate dehydrogenase deficiency		
26	Paroxysmal Nocturnal Hemoglobinuria		
27	Immune hemolytic anemia's		
28	Iron deficiency anemia		
29	Megaloblastic Anemia		

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30	Aplastic Anemia	Same as Above (Continued)	Pathoma: Ch#6...WBC Disorders (Whole Chapter) Page#53-64	
31	polycythemia vera			
32	Acute Myelogenous Leukemia			
33	Chronic Myelogenous Leukemia			
34	Myelodysplastic Syndrome (MDS)			
35	Lymphoid Neoplasms			
36	Acute Lymphocytic Leukemia			
37	Chronic Lymphocytic Leukemia			
38	Plasma Cell Disorder			
39	Hodgkin' S Lymphoma			
40	Non-Hodgkin' S Lymphoma			
41	Thrombocytopenia & 2. Von-wille Brand Disease			Pathoma: Ch#4, Page#31-36 (Thrombosis and Embolism not Included)
42	Hemophilia			
43	Disseminated Intravascular Coagulopathy (DIC)			
44	Transfusion Medicine	Not Present		
45	Immunity	Robbins: P#121-134 (Ch#5)	Levinson: Ch#57-to-61 (P#489-544)	
46	Humeral Immunity			
47	Cell Mediated Immunity	Robbins: P#134-144 (Ch#5)	Levinson: Ch#65(WholeChapter)	
48	Antibodies			
49	Allergy & Hypersensitivity	Robbins: P#145-162 (Ch#5) Pathoma: P#17-19 (Ch#2)	Levinson: Ch#66 (P#578) (W.C)	
50	Immune Tolerance			
51	Autoimmune Diseases	Robbins: P#121-134 (Ch#5) Pathoma: P#16 (Ch#2) Deficient	Levinson: Ch#68 (P#591) (W.C)	
52	Immunodeficiency Diseases			
53	COMPLEMENT (System)	Robbins:P#75-77 (Ch#3)	Levinson: Ch#63 (P#533) (W.C)	
Note: Immunity topics are present in both Robbins and Levinson, take advice from seniors in this regard as how to study Immunology. (W.C=whole chapter)				
MSK-2 Module (Mcqs=13):				
54	Metabolic diseases of bone	Robbins; P#801-803 (Ch#21)	Pathoma: Ch#18 (P#191-199)	
55	Fracture and Osteonecrosis	Robbins; P#805-816 (Ch#21)		
56	Osteomyelitis			
57	Bone Tumors			
58	Cartilage-Forming Tumors			

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59	Tumors of Unknown Origin	Continued with above	Continued with above
60	Lesions Simulating Primary Neoplasms		
61	Osteoarthritis	Robbins; P#817-832 (Ch#21)	
62	Rheumatoid Arthritis		
63	Seronegative Spondyloarthropathies		
64	Infectious Arthritis		
65	Crystal-Induced Arthritis		
66	Tumors of adipose tissue		
67	Fibrous Tumors		
68	Muscle tumors		
69	Rheumatic Fever	Robbins; P#425	
70	Skeletal muscle atrophy and myopathies	Robbins; P#840-845 (CH#22)	
71	Inherited Diseases of Skeletal Muscle		
72	Important pathological terms; Macule, Papule, Nodule, Plaque, Vesicle, Bulla, Blister, Pustule, Scale, Lichenification, Excoriation, Hyperkeratosis, Parakeratosis, Acanthosis, Dyskeratosis, Acantholysis, Papillomatosis, Lentiginous, spongiosis, Urticaria, Pemphigus, Bullous pemphigoid, Warts	Robbins: Ch#24 (P#889-907) Whole Chapter except Topic: Lichen (P#893-894)	
73	Eczematous dermatitis		Pathoma: CH#19 (P#201-208)
74	Erythema multiforme		
75	Psoriasis		
76	Pre-malignant epithelial lesions		
77	Nevocellular Nevi and Malignant Melanoma		
78	Viral skin infections: HSV and Herpes Zoster	Levinson: Somewhere between P#286-298	
79	Fungal skin infections: Tinea Candida	Levinson: Tinea ...P#403-405 (Ch#48) Topic: cutaneous mycosis Candida: P#414-417 (Ch#50)	
80	Skin and soft tissue infections: Impetigo, cellulitis/ Erysipelas, Folliculitis, Skin Abscess (Furuncle & Carbuncle), Necrotizing Soft Tissue Infections	Levinson: Ch#77 (P#655-661) Whole Chapter	

Forensic Medicine (Mcqs=20)

Multisystem-1 Module (Mcqs=9):				
s.no.	Topics	Parikh	Naseeb R. Awan	Jamiat
1	Poison & related laws			Ch#15 Whole Chapter
2	Legal duties of a Registered Medical Practitioner in a case of poisoning			
3	Fate of Poison	P#527-538 (Ch#36)		
4	Diagnosis of poisoning in living and dead			
5	Antidotes			
6	Steps of management in a case of poisoning			
7	Organophosphate group	P#649 (Ch#53)		P#222 (Ch#16)
8	Introduction to autopsy	P#94 (CH#5)		Ch#11 whole chapter
9	Modern autopsy suite			
10	Autopsy Protocol			
11	Exhumation	Ch#10 (P#142)		
12	Skeletonized body			
13	Negative autopsy			
14	Autopsy artifacts and hazards	Ch#9 (P#136)		
15	Infanticide	Ch#31 (P#441)		
16	Autopsy of an infected body	Ch#7 (P#131)		
17	Autopsy of fragmentary remains	P#125 (Ch#6)		
18	Embalming	P#545 (Ch#37)		Ch#10 whole Chapter except Death certificate
19	Thanatology/Death	Ch#11 (P#147-174)		
20	Postmortem changes			
21	Rigor mortis			
22	Cooling of dead body (Algor Mortis)			
23	Late P.M. changes & putrefaction			
24	Maceration			
25	Adipocere formation (Saponification)			
26	Mummification			
Blood & Immunology Module (Mcqs=2):				
27	FORENSIC EVIDENCE (trace evidence)			P#6 (confirm karna hai)

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28	BLOOD GROUP SYSTEMS	P#491-500 (Ch#34)		P#17 ch#2
29	MEDICINE FORENSIC LAB PROCEDURES: · Forensic histopathology · Naked eye examination · Histological examination · Forensic histochemistry · Steam distillation · Micro-diffusion analysis · Stas-Otto method · Colour reaction method · Chromatography · Spectroscopy · Electrophoresis · Radio-activation technique			
30	BLOOD STAINS	P#500-509 (Ch#34)		P#17 ch#2
31	COLLECTION AND PRESERVATION OF BIOLOGICAL MATERIAL	Ch#35 P#522 whole chapter		
MSK-2 Module (Mcs=9):				
32	Mechanism of production of wound	Ch#16 P#221-242		Ch#4 P#42-54 whole chapter
33	Abrasion			
34	Bruise			
35	Lacerated wound			
36	Incised Wound			
37	Stab wounds			
38	Age of Wound & Complication			
39	Battered baby Syndrome	P#374 Ch#23		
40	Qisas & Diyat			
41	Injured person medical aid act			
42	Work-men compensation laws			
43	Transportation Accidents	Ch#21 P#330		P#74 (Ch#6)
44	Firearm Injuries	Ch#17 P#243		Ch#5 P#55
45	Injuries By Explosives	P#371 Ch#22		Whole chapter
46	Thermal Injuries	Ch#22 (P#345)		Ch#7 (P#77)
47	Electrical Injuries			Whole chapter

Community Medicine (Mcqs=10)

Multisystem-1 module (Mcqs=3):		
s.no.	Topic	Excel /any other source
1	Smoking	Excel; P#347 (Ch#23)
2	International Health	
3	Role of international health agencies in public health (WHO,UNICEF)	Excel; P#9-10 (Ch#1)
4	Child labor and Child Abuse	
5	Cancers	Excel; P#118-120 (Ch#5)
6		
Blood and Immunology-2 Module (Mcqs=4):		
7	Epidemiology of nutritional anemias	Excel; P#286-287 (Ch#16)
8	Immunization and Vaccination	Excel; Ch#6 P#129-142
9	Epidemiology of blood borne diseases/infections	
MSK-2 module (Mcqs=3):		
10	Ergonomics	Excel; P#228(Ch#13) given very short
11	Public health aspects of disability limitations: (Osteoporosis, Osteomalacia and Rickets)	
12	Rehabilitation of disabilities: Poliomyelitis	Excel; P#83-85 (Ch#4)
13	Accidents and its prevention	Excel; P#115-117 (Ch#5)

ENT (Mcqs=1)

S.no.	Topics	Source if any
MSK-2 Module:		
1	Ear (Anatomy)	
2	Nose, Para Nasal Sinuses & Oral Cavity (Clinical Anatomy)	

Medicine (Mcqs=5)

S.No.	Topics	Source if any
Multisystem-1 Module (Mcqs=1):		
1	General management of poisons	
Blood and Immunology-2 Module (Mcqs=2):		
2	Sickle Cell Anemia	
3	Myeloproliferative Disorders (MPN)	

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4	Platelets (ITP)	
MSK-2 Module (Mcqs=2):		
5	Osteoporosis and Osteomalacia	
6	Rheumatoid Arthritis	
7	Ankylosing Spondylitis	
8	Myopathies	
9	Important pathological terms; Macule, Papule, Nodule, Plaque, Vesicle, Bulla, Blister, Pustule, Scale, Lichenification, Excoriation, Hyperkeratosis, Parakeratosis, Acanthosis, Dyskeratosis, Acantholysis, Papillomatosis, Lentiginousspongiosis, Urticaria, Pemphigus, Bullous pemphigoid, Warts	
10	Pre-malignant skin conditions	
11	Malignant conditions of skin	
12	Nevocellular Nevi	

Paeds (Mcqs=4)

S.no	Topic	Source
Blood and immunology-2 Module (mcqs=1):		
1	Thalassemia	
Msk-2 Module (mcqs=3):		
2	Bone pains and aches in children	
3	Skeletal dysplasia's	
4	Juvenile Idiopathic arthritis (JIA)	
5	Congenital/Hereditary Myopathies	
6	Duchene Muscular dystrophy (DMD)	
7	Juvenile Dermatomyocytis (JDM)	

Orthopedics (Mcqs=2)

s.no.	Topic	Source
Msk-2 Module:		
1	Fractures (types, pattern and angulations)	
2	Bone Tumors	
3	Bone and Joint Infections	
4	Application of Cast	
5	Soft Tissue Injuries, Spinal Injuries	

Eye (Mcqs=1)

S.No	Topic	Source
MSK-2 Module:		
1	Anatomy of Eye	

Research (Mcqs=5)

S.No.	Topic	Source
Mustlisystem-1 Module		
1	Research Ethics	
2	Referencing	
Blood and immunology-2 Module		
1	Academic writing and plagiarism	
MSK-2 Module:		
1	Qualitative and quantitative study designs	
2	Writing a Research Proposal	

PRIME Etc. (Mcqs=1)

Blood and immunology-2 Module		
1	Principles of medical ethics	
2	Confidentiality	
Msk-2 Module (Mcqs=1):		
2	Attributes of professional (Behavioral Science)	
3	Dealing with Patients (Communication skills)	

Radiology (Mcqs=0)

S.no.	Topics	Source
MSK-2 Module:		
1	X-Ray Interpretation	

EDITIONS BOOKS WHOSE REFERENCES ARE GIVEN:

- Lippincot Pharmacology 7th edition
- Tara Pharmacology 5th edition
- Pathoma 2021 Edition (Fundamentals of pathology by Hussain A. Sattar)
- Robbins Basic Pathology 10th Edition (Medium Robbins Authors: Kumar, Abbas, Aster)
- Levinson Microbiology 16th edition

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