



Ilam University of Medical Sciences

Sources of comprehensive exams for basic medical sciences in the field of general medicine (doctorate) from March - 1400 to the end of September 1401

Anatomy

Course name of the introduced resources

- 1- Clinical anatomy by region, R.S. Snell, 9th edition 2019
- 2- Clinical anatomy by system, R.S. Snell for further study
- 3- Grays anatomy for student to read more about the latest edition

Histology

Basic Histology of John Queira, Twelfth Edition, 2018

Embryology

Langman's medical Embryology, sadler, 2019

Text book of medical physiology, A. Guyton & E.Hall, (W.B.sanders), 14th Edition, 2020
physiology

With the exception of chapters: 3, 13, 22, 23, 32, 35, 36, 43, 44, 45, 67, 68, 69, 70, 72, 73, 74, 83, 84, 8

Biochemistry

Textbook of Biochemistry with clinical correlations, Thomas M. Devlin, 7th Ed., 2011

Includes the topics listed in the table below:

Title of the subject



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Textbook of Biochemistry- with clinical correlations, Devlin

Chapters

1-Eukaryotic Cell Structure

2-DNA and RNA: Composition and Structure

3-Protein

1: Composition and Structure

4-DNA Replication, Recombination and Repair

5-RNA: Transcription and RNA Processing

6-Protein Synthesis: Translation and

7-Recombinant DNA and Biotechnology

8-Regulation of Gene Expression

9-Protein

2: Structure-Function Relationship

10-Enzymes: Classification, Kinetics and Control

11-Biological Membrane: Structure, Receptors and Solute Transport

12-Bioenergetics, Mitochondria and Oxidative Metabolism

13-Carbohydrate Metabolism 1: Major Metabolic Pathways and Their Control

14-Carbohydrate Metabolism 2: Special Pathways and Glycoconjugates

15-Lipid Metabolism 1: Synthesis, Storage and Utilization of Fatty Acids and Triglycerols

16-Lipid Metabolism 1: Pathways of Metabolism of Special Lipids

17-Amino Acids and Heme Metabolism

18-Purine and Pyrimidine Nucleotide Metabolism

19-Metabolic Interrelationship

20-Biochemistry of Hormones



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21-Digestion and Absorption of Basic Nutritional Constituents

22-Vitamins and Minerals: Requirements and Function

The following book will be the main reference for biochemistry questions from the comprehensive exam of basic medical sciences in March 1402:

Harper's Illustrated Biochemistry, Victor w. Rodwell, et al. Thirty-first Edition, 2018, Mc Graw-Hill Education

Islamic teachings

1- Islamic Thought Book One, Jafar Sobhani and Mohammad Rezaei, Maaref Publishing Office, Second Edition

2- Islamic Revolution of Iran, a group of writers, Maaref Publishing Office, fourth edition

Considering the revision of the general medicine doctoral curriculum and the unification of the essential content of the national general medicine curriculum in all

Universities will be the reference sources for the comprehensive course exams for all entries from October 1996 onwards. Secretariat of the General Medical Education Council

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Course name of the introduced resources

Principles of service

Health

1- Comprehensive book of public health of Dr. Hussein Hatami et al., Third edition (2013) (including sections:

Topic title

1-General public health

2- Health and disease

3- Health for all and basic health care



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4- The role of transnational organizations in health development

5- Health education and health promotion

6- General environmental health

7- An overview of common words in public health

8- Health image in Iran and the world

9- General occupational health

* Reference questions for comprehensive basic science exams in March 1401 and later in the book "Principles and generalities of services

Health "by Mohammad Khajeh Delouei and ...) Board of Authors of Selected Professors of Medical Universities

Country (, Mashhad University of Medical Sciences Publications, first edition, will be in 1399.

2 -for the course of principles of epidemiology, the following selected chapters from the book of principles of epidemiology of Gordis: -

Gordis Epidemiology, 6th Edition, David D. Celentano, Elyse O'Grady (Iran Amir Book), 2019.

Section I (The epidemiologic approach to disease and intervention)

Chapters: 1-5 (122 pages)

Section II (Using epidemiology to identify the cause of disease)

Chapters 7, 8, 9,10,12,14 (103 pages)

Medical microbiology, Murray et al The latest edition 9th Edition, 2020

Title:

Introduction to Medical Microbiology

Commensal and Pathogenic Microbial Flora in human



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Sterilization, Disinfection, and Antisepsis

Microscopy and in Vitro Culture

Bacterial Classification, Structure, and Replication

Bacterial Metabolism and Genetics

Mechanisms of Bacterial Pathogenesis

Role of Bacteria in Disease

Laboratory Diagnosis of Bacterial Dis

Antibacterial Agents

Staphylococcus Gram-Positive Cocci and Related

Streptococcus

Enterococcus Gram-Positive Cocci and Other

Bacillus

Listeria and Erysipelothrix

Corynebacterium Gram-Positive Rods and Other

Nocardia and Related Bacteria

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Course name of the introduced resources

Mycobacterium



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Neisseria and Related Genera

Enterobacteriaceae

Vibrio and Aeromonas

Campylobacter and Helicobacter

Pseudomonas and Related Bacteria

Haemophilus and Related Bacteria

Bordetella

Francisella and Brucella

Legionella

Miscellaneous Gram-Negative Rods

Clostridium

Anaerobic, Non-Spore-Forming, Gram-Positive Bacteria

Anaerobic Gram-Negative Bacteria

Treponema, Borrelia, and Leptospira

Mycoplasma and Ureaplasma

Rickettsia and Orientia

Ehrlichia, Anaplasma, and Coxiella

Chlamydia and Chlamydophila

Parasitology

Mycology,

Entomology

Helminthology



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Protozoology

1. Parasitic Diseases in Iran - Dr. Esmaeil Saebi Volume II Third Edition - 2015

2- Medical protozoa Authors: Dr. Gholamhossein Adrisian, Dr. Mostafa Rezaeian, Dr. Mehdi Ghorbani, Dr. Hussein Keshavarz, Dr. Mehdi Mohabeli Third Edition Publications of Tehran University of Medical Sciences and New Idea, Year - - 1398

3. Dr. Fereydoun Arfa, Medical Nursing, Ninth Year Edition - - - 1396

4. Generalities of medical entomology. Compiled by: Michael William Service. Print, 1394. University of Tehran Press, including:

Chapter 1 Generalities of arthropods - -

Chapter 1 Generalities of arthropods - -

Chapter 2) Double (1 - Collicized and - 2 Pseudomonas and Simulated -

Chapter 3 Scorpion Ticks Mites (Demodex Scabies) –

5. Comprehensive medical mycology Author: Dr. Farideh Zeini, Dr. Amir Seyed Ali Mahbod, Dr. Masoud Emami, latest edition,

Includes topics:

Chapter 1 Generalities of Medical Mycology -

Chapter 2 Superficial Fungal Diseases -

Chapter 3 Cutaneous Fungal Diseases -

Chapter 4 Subcutaneous Fungal Diseases -

Chapter 5 Visceral fungal diseases (opportunists), Candidiasis, Cryptococcosis,

Aspergillosis, mucormycosis (

6- Markell and Voge's Medical Parasitology, Last edition) for further reading (

7- Leishmania parasite and leishmaniasis, by: Dr. Abolhassan Nadim et al. Academic Publishing, Third Edition, 2008.) For



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Further reading (

8- Medical Mycology, E.G.V. Evans and M.D. Richardson) for further reading (

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9. Physicians' Guide to Important Medical Arthropods. Author: Jerome Goddard. First edition, 2001. University of Science Press

Tehran Medical Center.) For further reading (Virology)

Medical Microbiology, Jawetz et al. The latest edition, 2020

Includes the following sections:

Title Of The Subject

General medical virology including: classification of viruses, structure of viruses, method

Laboratory, Replication cycle, Transmission routes, Voting disease, viral disease control -

Systematic virology

Virus families including: parvoviruses, adenoviruses, herpesviruses, paxviruses

Hepatitis viruses:

A hepatitis virus

B hepatitis viruses

C hepatitis viruses



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D hepatitis viruses

E hepatitis viruses

Picornavirus

Enteroviruses and rhinoviruses including: polioviruses, coxsackieviruses, rhinoviruses

Foot-and-Mouth Disease, Snow fever or "mouth and foot disease"

Rotavirus and Calicivirus

Arboviruses

Orthomyxoviruses

Paramyxoviruses include:

Respiratory syncytial virus

Metapneumovirus, Metapneumovirus

Orion

Measles

Coronaviruses

Viruses and Cancer: Hepatitis B Virus, Retrovirus, Papillomavirus, Herpes Virus

Lentiviruses and AIDS

English language

Written by Dr. Tahririan - students of medicine (ESM 2) 1) English for the

Written by Dr. Tahririan - 2) English for the students of medicine (ESM 3)

3) Medical English (English in Medicine), Vaughan James 4) Mosby's 'Medical, Nursing and Allied Health Dictionary

From Row 4, Medical Terminology, pp. 1733-1749



Sources of comprehensive exams for basic medical sciences in the field of general medicine doctorate) from March - 1400 to the end of September 1401

5 Hermetons, articles or other English medical books that are at the level of the above sources –

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Reference sources for comprehensive exams in basic medical sciences for general medical doctorate courses from March 2014 to the end of September 1401

Configuration and number of questions of each topic in the comprehensive exam of basic medical

Sciences

Blueprint configuration Comprehensive test of basic medical sciences	Number of questions out of :200
lessons	
Anatomy science courses	54
Physiology lessons	36
Medical Biochemistry Courses	20
Parasitology and Medical bacteriology	16
Entomology	12
Medical mycology	5
Medical virology	5
Principles of health services	11
Principles of epidemiology	9
Specialized medical language	20
Islamic teachings	12
	Islamic Thought 1 and the) (Islamic Revolution
Total questions	200



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