



تعميم رقم (2020/18)

من	إدارة التخصصات الصحية
إلى	• كافة الممارسين الصحيين في دولة قطر (القطاعين الحكومي والخاص) • كافة ضباط اتصال المنشآت الصحية في دولة قطر (القطاعين الحكومي والخاص)
الموضوع	تحديث على سياسة الامتحانات التأهيلية
التاريخ	24 نوفمبر 2020

" تهديكم إدارة التخصصات الصحية أطيب التمنيات "

في إطار السعي الدائم من قبل إدارة التخصصات الصحية لمواكبة أفضل المعايير العالمية، ولضمان كفاءة الممارسين الصحيين حفاظاً على سلامة المرضى، فقد تم إجراء تعديل على عدد أسئلة الامتحان التأهيلي والوقت المحدد له كما هو موضح في الجدول المرفق أدناه، وسوف يتم تطبيقه ابتداءً من تاريخ 25 نوفمبر 2020 باستثناء امتحان "فني أشعة" الذي سوف يتم تطبيقه ابتداءً من 15 ديسمبر 2020:

الرقم	الامتحان	عدد الأسئلة/ مدة الامتحان	نسبة النجاح	الممارسون التي يتوجب عليهم الخضوع للامتحان
1.	طبيب عام (General Practitioner)	150 MCQs, 3 ½ hours	60%	طبيب عام
2.	طبيب أسنان عام (General Dentist)	150 MCQs, 3 ½ hours	60%	طبيب أسنان عام
3.	صيدلي (Pharmacist)	150 MCQs, 3 ½ hours	60%	صيدلي
4.	ممرض عام مسجل (Registered General Nurse)	150 MCQs, 3 ½ hours	50%	ممرض عام مسجل
5.	قبالة قانونية مسجلة (Registered Midwife)	150 MCQs, 3 ½ hours	50%	قبالة قانونية مسجلة
6.	تقني مختبرات طبية (Lab Technologist)	150 MCQs, 3 ½ hours	50%	تقني مختبرات طبية
7.	فني مختبرات طبية (Lab Technician)	150 MCQs, 3 ½ hours	50%	فني مختبرات طبية



الرقم	الامتحان	عدد الأسئلة/ مدة الامتحان	نسبة النجاح	الممارسون التي يتوجب عليهم الخضوع للامتحان
8.	تقني أشعة (Radiology Technologist)	150 MCQs, 2 ½ hours	%50	تقني أشعة
9.	فني أشعة (Radiology Technician)	100 MCQs, 3 ½ hours	%50	فني أشعة
10.	أخصائي علاج طبيعي (Physiotherapist)	150 MCQs, 3 ½ hours	%50	أخصائي علاج طبيعي
11.	مسعف أساسي (Basic Paramedic)	150 MCQs, 3 ½ hours	%50	مسعف أساسي
12.	مسعف (Paramedic)	150 MCQs, 3 ½ hours	%50	مسعف، مسعف الرعاية الحرجة
13.	مساعد طبيب أسنان (Dental Assistant)	150 MCQs, 3 ½ hours	%50	مساعد طبيب أسنان
14.	فني صحة الفم والأسنان (Dental Hygienist)	150 MCQs, 3 ½ hours	%50	فني صحة الفم والأسنان
15.	فني معمل أسنان (Dental lab Technician)	150 MCQs, 3 ½ hours	%50	فني أسنان

مرفقات: 1- طبيعة ومحتوى الامتحان التأهيلي
2- مراجع الامتحان التأهيلي

للمزيد من المعلومات يرجى التواصل مع:

- جواهر العلي: Jalali@moph.gov.qa
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وتفضلوا بقبول فائق التقدير والاحترام

قسم التسجيل/ إدارة التخصصات الصحية



مرفق 1: طبيعة ومحتوى الامتحان التأهيلي

1. طبيب عام (General Practitioner)

Evaluation Item	Content	Required items	Passing Score
(150 MCQs, 3 ½ hours)	1. Medicine	47	60%
	2. Obstetrics and Gynaecology	36	
	3. Paediatrics	37	
	4. Surgery	30	
Total		150	

2. طبيب أسنان عام (General Dentist)

Evaluation Item	Content	Required items	Passing Score
(150 MCQs, 3 ½ hours)	1. Endodontics	20	60%
	2. Oral Medicine/ Oral Surgery	31	
	3. Orthodontics/ Pediatric Dentistry	26	
	4. Periodontics	27	
	5. Restorative Dentistry	46	
Total		150	

3. صيدلي (Pharmacist)

Evaluation Item	Content	Required items	Passing Score
(150 MCQs, 3 ½ hours)	1. Basic Biomedical Sciences	15	60%
	2. Pharmaceutical Sciences	53	
	3. Social/Behavioral/Administrative Sciences	30	
	4. Clinical Sciences	52	
Total		150	

4. ممرض عام مسجل (Registered General Nurse)

Evaluation Item	Content	Required items	Passing Score
(150 MCQs, 3 ½ hours)	1. Nursing Fundamentals	30	50%
	2. Adult Nursing	61	
	3. Maternal- Child Nursing	44	
	4. Unit Management and Leadership	15	
Total		150	



5. قبالة قانونية مسجلة (Registered Midwife)

Evaluation Item	Content	Required items	Passing Score
(150 MCQs, 3 ½ hours)	1. Antenatal Care	7	50%
	2. Intrapartum Care	60	
	3. Antepartum Care	15	
	4. Postpartum Care	22	
	5. Newborn Care	8	
	6. Gynecological Care	7	
	7. Pharmacology in Midwifery	7	
	8. Counselling and Education	8	
	9. Patient Safety	8	
	10. Professionalism and Ethics	8	
Total		150	

6. تقني مختبرات طبية (Lab Technologist)

Evaluation Item	Content	Required items	Passing Score
(150 MCQs, 3 ½ hours)	1. Blood Bank	25	50%
	2. Urinalysis and Other Body Fluids	11	
	3. Clinical Chemistry	25	
	4. Hematology	25	
	5. Immunology/ Serology	12	
	6. Histo-And Cyto Techniques	11	
	7. Microbiology	25	
	8. Laboratory Operations	8	
	9. Patient Safety And Professionalism	8	
Total		150	

7. فني مختبرات طبية (Lab Technician)

Evaluation Item	Content	Required items	Passing Score
(150 MCQs, 3 ½ hours)	1. Microbiology	30	50%
	2. Clinical Chemistry	30	
	3. Hematology	30	
	4. Blood Bank	30	
	5. Immunology / Serology	23	
	6. Histo/Cyto-Techniques	7	
Total		150	



8. تقني أشعة (Radiology Technologist)

Evaluation Item	Content	Required items	Passing Score
(150 MCQs, 3 ½ hours)	1. Radiation Protection	18	50%
	2. X-ray	19	
	3. CT	15	
	4. MRI	15	
	5. Ultrasound	15	
	6. Nuclear Medicine	15	
	7. Angio	6	
	8. Fluoroscopy	6	
	9. General Anatomy	25	
	10. Patient Safety	8	
	11. Professionalism and Ethics	8	
Total		150	

9. فني أشعة (Radiology Technician)

Evaluation Item	Content	Required items	Passing Score
(150 MCQs, 3 ½ hours)	1. Radiation Protection	19	50%
	2. X-ray	25	
	3. CT	15	
	4. MRI	12	
	5. Ultrasound	15	
	6. Nuclear Medicine	12	
	7. Angio	4	
	8. Fluoroscopy	4	
	9. General Anatomy	25	
	10. Patient Safety	10	
	11. Professionalism and Ethics	9	
Total		150	

10. أخصائي علاج طبيعي (Physiotherapist)

Evaluation Item	Content	Required items	Passing Score
(150 MCQs, 3 ½ hours)	Kinesiology, Biomechanics and Ergonomics	12	50%
	Anatomy and Physiology	18	
	Clinical Decision Making and Differential Diagnosis	12	
	Physical agents (Electrotherapy and Hydrotherapy)	15	
	Therapeutic Exercises and Techniques	15	
	Physical Therapy in Special Population (OBGYN, Pediatrics, Geriatrics)	18	
	Cardiopulmonary Physical Therapy	12	
	Sports Physical Therapy	12	
	Neurorehabilitation	18	
	Musculoskeletal rehabilitation	18	
Total		150	



11. مسعف أساسي (Basic Paramedic)

Evaluation Item	Content	Required items	Passing Score
(150 MCQs, 3 ½ hours)	1. Fundamentals and Operations	20	50%
	2. Trauma	21	
	3. Shock and Resuscitation	21	
	4. Pediatrics	9	
	5. OB/GYN	4	
	6. Airway	9	
	7. Patient Assessment	19	
	8. Medical, Behavioral and Geriatric	19	
	9. Environmental and Toxicology	6	
	10. Disaster	6	
	11. Professionalism and Ethics	8	
Total		150	

12. مسعف (Paramedic)

Evaluation Item	Content	Required items	Passing Score
(150 MCQs, 3 ½ hours)	1. Fundamentals and Operations	7	50%
	2. Airway	15	
	3. Disaster	7	
	4. Trauma	23	
	5. Shock and Resuscitation	23	
	6. Environmental and Toxicology	7	
	7. Pediatrics and Neonates	7	
	8. OB/GYN	8	
	9. Medical Emergency	15	
	10. Special Populations	7	
	11. Cardiac Emergency	15	
	12. Patient Safety	8	
	13. Professionalism and Ethics	8	
Total		150	

13. مساعد طبيب أسنان (Dental Assistant)

Evaluation Item	Content	Required items	Passing Score
(150 MCQs, 3 ½ hours)	1. Oral Anatomy	15	50%
	2. Dental Assistant	30	
	3. Dental Terminology	11	
	4. Dental Materials	22	
	5. Dental Radiography	15	
	6. Infection Control	15	
	7. Preventive Dentistry	15	
	8. Dental Emergency and MCP	11	
	9. Communication and Patient Education	9	
	10. Ethics	7	
Total		150	



14. فني صحة الفم والأسنان (Dental Hygienist)

Evaluation Item	Content	Required items	Passing Score
(150 MCQs, 3 ½ hours)	Basic Sciences: Dental Anatomy, Biology, Physiology, and Oral Pathology	12	50%
	Medical and Dental Histories	18	
	Extra and Intra Oral Examination	18	
	Radiology	9	
	Non-Surgical Periodontal Therapy	33	
	Preventive Therapy	21	
	Management of Medical Emergencies and Medically Compromised Patients	16	
	Communication Skills	7	
	Patient Safety	8	
	Professionalism and Ethics	8	
Total		150	

15. فني معمل أسنان (Dental Lab Technician)

Evaluation Item	Content	Required items	Passing Score
(150 MCQs, 3 ½ hours)	1. Dental Anatomy and Occlusion	23	50%
	2. Dental Materials	23	
	3. Removable Complete Prosthesis	15	
	4. Fixed Restorations	30	
	5. Removable Partial Prosthesis	15	
	6. Dental Implant Prosthesis	7	
	7. Orthodontics appliances	7	
	8. Maxillofacial Prosthesis	7	
	9. Infection Control	7	
	10. Health and Safety	8	
	11. CAD-Cam Restorations	8	
Total		150	



مرفق 2: مراجع الامتحان التأهيلي

طبيب عام (General Practitioner)

Exam References	Scope
<ol style="list-style-type: none"> 1. Yingming A. Chen, Toronto Notes Canadian ed Edition 2. Brian R. Walker BSc MB ChB MD FRCPE FRSE FMedSci. Davidson's Principles and Practice of Medicine, 22 Edition. 3. Dennis L. Kasper M.D., Anthony S. Fauci, Stephen L. Hauser M.D, Dan L. Longo M.D, J. Larry Jameson M.D, and Joseph Loscalzo. Harrison's Principles of Internal Medicine, 19th Edition. 4. Parveen Kumar, Michael Clark. Kumar and Clark's Clinical Medicine, 9th Edition. 	Medicine
<ol style="list-style-type: none"> 1. Neville F. Hacker, MD, Joseph C. Gambone, DO, MPH, Executive Editor and Calvin J. Hobel, MD, Hacker and Moore's Essentials of Obstetrics and Gynecology. 2. Alan H. DeCherney, Lauren Nathan, T. Murphy Goodwin, Neri Laufer and Ashley S. Roman, Current Diagnosis and Treatment Obstetrics and Gynecology, 11th Edition. 3. Louise Kenny, Helen Bickerstaff and Jenny Myers, Gynaecology by Ten Teachers, 20th Edition Value Pak. 4. Jeremy J N Oats, MBBS, DM, FRCOG, FRANZCOG and Suzanne Abraham, MSc, PhD (Med), MAPS, Llewellyn-Jones Fundamentals of Obstetrics and Gynaecology Edition. 	Obstetrics and Gynaecology
<ol style="list-style-type: none"> 1. Daniel Bernstein, Steven P. Shelov MD, MS. Paediatrics for Medical Students. 2. Karen Marcdante MD, Robert M. Kliegman MD. Nelson Essentials of Pediatrics, 7th Edition. 3. Tom Lissauer, Will Carroll. Illustrated Textbook of Paediatrics 5th Edition. 	Paediatrics
<ol style="list-style-type: none"> 4. John L. Cameron , Andrew M. Cameron. Current Surgical Therapy, 12th edition, 2017. 5. Norman Williams, Christopher Bultrode and P Ronan O'Connell. Bailey and Love's Short Practice of Surgery, 26th edition, 2013. 6. The University of Cincinnati Residents and Amy Makley. The Mont Reid Surgical Handbook: Mobile Medicine Series, 7th edition, 2017 	Surgery
<ol style="list-style-type: none"> 1. Walton, M. (2011). Patient Safety Curriculum Guide. Geneva: World Health Organization 2. Katz D, Jekel J, Elmore J, Wild D, Lucan S. Jekel's Epidemiology, Biostatistics, Preventive Medicine, and Public Health. 4th ed. 2013. 3. U.S. Preventive Services Task Force: Guide to Clinical Preventive Services. 4. Al kaabba F. Abdulaziz, Hussein MA Ghaiath, Kasule H. Omar SCFHS-2015, Professionalism and Ethics Handbook for Residents Practical guide. 	Patient Safety, Preventive Medicine and Ethics

طبيب أسنان عام (General Dentist)

Exam References	Specialty
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<ol style="list-style-type: none"> 1. Brad W. Neville, Douglas D. Damm, Carl M. Allen and Angela C. Chi, . Oral and Maxillofacial Pathology, 4th ed. 2. Stuart C. White and Michael J. Pharoah, . Oral Radiology: Principles and Interpretation, 7th ed. 3. James W. Little, Nelson L. Rhodus and Craig S. Miller/ Elsevier Health Science div,. Little and Falace's Dental Management of the Medically Compromised Patient, 9th ed. 4. James R. Hupp, Myron R. Tucker and Edward Ellis III, . Contemporary Oral and Maxillofacial Surgery, 6th ed. 	<p>Oral Medicine/ Oral Surgery</p>
<ol style="list-style-type: none"> 1. Niklaus P. Lang, Jan Lindhe., Clinical Periodontology and Implant Dentistry, 6th ed. 2. Michael Newman, Henry Takei, Perry Klokkevold, Fermin Carranza, Carranza's Clinical Periodontology, the latest edition. 3. Louis F. Rose., Periodontics: Medicine, Surgery and Implants, the latest edition. 	<p>Periodontics</p>
<ol style="list-style-type: none"> 1. Jeffrey A. Dean, McDonald and Avery's Dentistry for the Child and Adolescent, 10th ed. 2. Paul S. Casamassimo, Henry W. Fields, Dennis J. McTigueArthur and Arthur Nowak,Pediatric Dentistry: Infancy through Adolescence 5th ed. 3. Laura Mitchell, . An Introduction to Orthodontics, 4th ed. 4. William R. Proffit, Henry W. Fields, Jr., David M. Sarver, . Contemporary Orthodontics, 5th ed. 	<p>Orthodontics/ Pediatric Dentistry</p>
<ol style="list-style-type: none"> 1. Teodore Robertson, Sturdevant's Art and Science of Operative Dentistry, 5th ed. 2. Alan B Carry and David T Brown, McCracken's Removable Partial Prosthodontics, 12th ed. 3. Stephen F. Rosenstiel, Martin F. Land and Junhei Fujimoto., Contemporary Fixed Prosthodontics, 4th ed. 4. Arthur O. Rahn, John R. Ivanhoe and Kevin D. Plummer, Textbook of Complete Dentures, 6th ed 	<p>Restorative Dentistry (Prosthodontics, Operative Dentistry and Basic Implantology)</p>
<ol style="list-style-type: none"> 1. Stephen Cohen and Kenneth Hargreaves / Mosby, Pathways of the Pulp, 11th ed. 2. Mahmoud Torabinejad, Ashraf F. Fouad and Richard E. Walton., Endodontics Principles and Practice, 5th ed. 	<p>Endodontics</p>
<ol style="list-style-type: none"> 1. Stanley F. Malamed PUBLISHER Elsevier Health Sciences, Handbook of Local Anesthesia 6th edition. 2. CDC, Center for Disease Control (CDC) U.S.A., Basic Guide to Infection Prevention and Control in Dentistry. 2009, 3. Caroline L. Pankhurst and Wilson A. Coulter, Wiley-Blackwell, Guidelines for infection control in dental healthcare settings-2003. 4. Al kaabba F. Abdulaziz , Hussein MA Ghaiath, and Kasule H. Omar SCFHS2015,. Professionalism and Ethics, Handbook for Residents, Practical guide. 5. Stanley F. Malamed., Handbook of Local Anesthesia, the latest edition. 	<p>Common to all sections (Local Anaesthesia; Professionalism and Bioethics; Infection control and patient safety.)</p>

صيدلي (Pharmacist)

Exam References



1. Dick R. Gourley, James C. Eoff III, The APhA Complete Review for Pharmacy, the American Pharmacists Association.
2. William E Paul. Fundamental Immunology, Philadelphia, USA, Lippincott Williams & Wilkins.
3. Lippincott's Illustrated Reviews: Biochemistry.
4. Lippincott Illustrated Reviews: Pharmacology.
5. Leon Shargel, Alan H. Munick, Paul F. Souney, Larry N. Swanson. Comprehensive Pharmacy Review
6. Goodman & Gilman's: The Pharmacological Basis of Therapeutics.
7. Shargel, Applied Biopharmaceutics & Pharmacokinetics, the Middle East Observer, USA: Appleton and Lange.
8. Howard C. Ansel, Mitchell J. Stoklosa, Pharmaceutical Calculations.
9. Aulton, M., E., Pharmaceutics: The Science of Dosage Form Design, London Churchill Livingstone.
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11. Karen Rascati. Essentials of Pharmacoeconomics. Lippincott Williams & Wilkins.
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13. Chisholm-Burns, Allison M. Vaillancourt, Marv Shepherd. Pharmacy Management, Leadership, Marketing, and Finance.
14. Nathaniel M. Rickles, Albert I. Wertheimer, Mickey C. Smith. Social And Behavioral Aspects of Pharmaceutical Care.
15. Rajender R. Aparasu and John P. Bentley. Principles of Research Design and Drug Literature Evaluation.
16. James E. De Muth. Basic Statistics and Pharmaceutical Statistical Applications.
17. Josef T. Dipiro Pharmacotherapy: A Pathophysiologic Approach
18. Koda-Kimble and Young's Applied Therapeutics: The Clinical Use of Drugs
19. Rhonda M. Jones, Raylene M. Rospond, Patient Assessment in Pharmacy Practice.
20. Karen J. Tietze, Clinical Skills for Pharmacists
21. Daniel L. Krinsky, Stefanie P. Ferreri, Brian Hemstreet, Anne L. Hume, Gail D. Newton, Carol J. Rollins and Karen J. Tietze, Handbook of Nonprescription Drugs: An Interactive Approach to Self-Care.
22. Drug list in KSA <https://www.sfda.gov.sa/en/drug/search/Pages/default.aspx>
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<https://www.moh.gov.sa/en/Ministry/Rules/Pages/default.aspx>
24. https://www.sfda.gov.sa/ar/drug/drug_reg/DocLib/anti_drugs.pdf
25. Lexicomp (handbook or online). Ohio: Wolters Kluwer Clinical Drug Information, Inc; Latest Edition.

ممرض عام مسجل (Registered General Nurse) و قابلة قانونية مسجلة (Registered Midwife)

Exam References

Scope



A. Nursing Fundamentals

1. Leda M. McKenry, Tessier, and Mary Ann Hogan. Mosby's Pharmacology in Nursing, Mosby Publishers, Latest Edition.
2. Dudek, SG, Nutrition Essentials for Nursing Practice; Philadelphia: Wolters Kluwer, Lippincott Williams and Wilkins, Latest Edition.
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4. Pamela Lynn and, Marilee LeBon, Skill Checklists for Taylor's Clinical Nursing Skills: A Nursing Process Approach, Philadelphia: Lippincott Williams and Wilkins, Latest Edition.
5. Jarvis, C. Physical Examination and Health Assessment, St. Louis, Missouri, Saunders Elsevier, Latest Edition.
6. Allender, Judith A. and Rector, Cherie, Community Health Nursing Promoting and Protecting the Public Health, Lippincott: New York, Latest Edition

B. Adult Nursing

1. Morton, P. G., Fontaine, D. K., Critical Care Nursing a Holistic Approach. 9th edition, lippincott: Wolters Kluwer.
2. Principles and Practice of Psychiatric Nursing, 10e (Principles and Practice of Psychiatric Nursing (Stuart)) 10th Edition: St. Louis: Mosby.
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4. Medical-Surgical Nursing - 2-Volume Set 10th Edition Assessment and Management of Clinical Problems Authors: Sharon Lewis Linda Bucher Margaret Heitkemper Mariann Harding Jeffrey Kwong Dottie Roberts Paperback ISBN: 9780323355933 Imprint: Mosby
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C. Maternal- Child Nursing

1. Murray, S., McKinney, E. Foundation of Maternal- Newborn Nursing, Missouri: Saunders Elsevier, Latest Edition.
2. Wong, D.L., and Hockenberry, M.J, Wong's Nursing Care of Infants and Children, Philadelphia: Mosby, Latest Edition.

D. Unit Management and Leadership

Sullivan E. (2017) Effective Leadership and Management in Nursing (9th edition). Pearson: Indianapolis

E. Patient Safety

1. ANA Code of Ethics, Latest Edition.
2. SCFHS: Ethics for Health Professional Booklet, Latest Edition.
3. Sherwood G. & Barnsteiner J. (2017) Quality and Safety in Nursing: A Competency Approach to Improving Outcomes (2nd edition). Wiley Blackwell: New Jersey

F. Clinical Component

1. Anne Griffin Perry RN EdD FAAN, Patricia A. Potter RN MSN PhD FAAN and Wendy Ostendorf RN MS EdD CNE. Clinical Nursing Skills and Techniques, 9e 9th Edition.
2. June M. Thompson RN DRPH, Gertrude K. McFarland RN DNSc FAAN, Jane E. Hirsch RN MS), Susan Martin Tucker MSN RN PHN, June M. Thompson

ممرض عام
مسجل
(Registered
General
Nurse)



Gertrude McFarland. Jane Hirsch Susan Tucker and Mosby's Clinical Nursing, 5th Edition	
<ol style="list-style-type: none"> 1. Maternal Newborn Nursing Care Plans, Third Edition Carol J. Green, PhD, CNS, RN, CNE-Professor, ISBN-13: 9781284038538 Paperback 472 pages © 2. Pharmacology for women's for health, second edition ,Mary C. Bruker and Tekoa L. King ISBN-13:978-1-28405748-5@2016 3. Women's gynecologic health, second edition Kerri Durnell Schuiling and Frances E.Likies ISBN-13:978-0-7637-5637-6@2013 4. CTG interpretation from patterns to physiology , Edwin chandraharn ,2017 5. Fetal Heart Monitoring 6. Master the NCLEX-PN: Maternal/Newborn Nursing 7. Mayes` Midwifery: A Textbook for Midwives 8. NCLEX-RN® Maternal-Neonatal Nursing Made Incredibly Easy! (Incredibly Easy! Series) by Lippincott 9. Professionalism and Ethics, Handbook for Residents, Practical guide, Prof. James Ware, Dr. Abdulaziz Fahad Alkaabba, Dr. Ghaiath MA Hussein, Prof. Omar Hasan Kasule, SCFHS, Latest Edition 10. Essentials of Patient Safety, SCHS, Latest Edition 	<p>قابلة قانونية مسجلة (Registered Midwife)</p>

المهن الطبية المساعدة

Exam References	Scope
<ol style="list-style-type: none"> 5. Laboratory Practice in Tropical Countries, Monica Cheesbrough (latest Edition) 6. Manual on Standard Operation Procedures, Sample Collection and Reference Ranges for Clinical Chemistry, Meliyanthi M. Gunatillaka (latest Edition) 7. Clinical Immunology and Serology, Christine Dorresteyn Stevens (latest Edition) 8. Molecular Cell Biology, Harvey Lodish (latest Edition) 	<p>تقني مختبرات طبية (Lab Technologist)</p>
<ol style="list-style-type: none"> 5. Laboratory Practice in Tropical Countries, Monica Cheesbrough (Latest Edition). 6. Manual on Standard Operation Procedures, Sample Collection and Reference Ranges for Clinical Chemistry, Meliyanthi M. Gunatillaka (Latest Edition). 7. Clinical Immunology and Serology, Christine Dorresteyn Stevens (Latest Edition). 8. HENRY'S Clinical Diagnosis and Management by Laboratory Methods, McPherson, (Latest Edition). 9. Modern Blood Banking & Transfusion Practices, By: Denise M. Harmening, (Latest edition). 10. A Manual of Laboratory and Diagnostic Tests, (9th Edition), (Fischbach, F. and Dunning, M.B.). 11. Tietz Fundamentals of Clinical Chemistry and Molecular Diagnostics, (Latest Edition), (Burtis, C.A. and Bruns, D.E.). 12. Wintrobe's Clinical Hematology, (14th Edition), (Greer, et al.). 13. Clinical Laboratory Science, Mary Louise Turgeon. 	<p>فني مختبرات طبية (Lab Technician)</p>



<p>14. Tille, P. (2013). Bailey & Scott's Diagnostic Microbiology (13th ed.). Mosby</p> <p>15. Bishop, M. L., Fody, E. P., & Schoeff, L. E. (2010). Clinical Chemistry: Techniques, principles, correlation (6th ed.). Lippincott Williams & Wilkins.</p> <p>16. Harmening D.M.(2012). Modern Blood Banking & Transfusion Practices.6th Ed.Philadelphia, PA: F.A.Davis Company.</p> <p>17. Bancroft's Theory and Practice of Histological Techniques (8th Edition), Suvarna, Layton, Bancroft.</p> <p>18. Todd, I., Spickett, G., & Fairclough, L. (n.d.). Lecture Notes: Immunology (7th ed.). Wiley.</p> <p>19. Rodak, B. F., & Carr, J. H. (n.d.). Clinical Hematology Atlas (5th ed.). Elsevier.</p>	
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