Computer Based Testing (CBT) Assessment Guideline

Last update May/2020
Guideline Preview

- Computer Based Testing (CBT), or online assessment, is conducted by DHA for evaluating professionals applying for a healthcare license in certain specialties to practice in the Emirate of Dubai.

- CBTs are managed and run by our partner “Prometric” company through their worldwide network of 8,000 test centers in more than 160 countries.

- All exams’ contents are developed and validated by Subject Matter Experts. The contents are updated on a frequent basis.

- Specialties not listed in the guideline will go through Oral Assessment (e.g. Consultant titles for Physicians and Dentists).

- DHA reserves the right to activate or de-activate a specialty assessment, change the assessment content, the exam format or the pass score without an update in the content of this document.

- **Exam format**: Multiple Choice Questions (MCQs).

- **Exam result**: Pass or Fail only which can be accessed from applicant’s account in Sheryan. The applicant score will not be shared.

- **Exam Exemption**: Based on the PQR criteria and DHA Licensing Healthcare Professionals policy.
<table>
<thead>
<tr>
<th>Specialty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anatomic Pathology</td>
</tr>
<tr>
<td>Anesthesia</td>
</tr>
<tr>
<td>Cardiology</td>
</tr>
<tr>
<td>Cardio - Thoracic Surgery</td>
</tr>
<tr>
<td>Clinical Pathology</td>
</tr>
<tr>
<td>Dermatology</td>
</tr>
<tr>
<td>Emergency Medicine</td>
</tr>
<tr>
<td>Family Medicine</td>
</tr>
<tr>
<td>Forensic Medicine</td>
</tr>
<tr>
<td>Gastroenterology</td>
</tr>
<tr>
<td>General Practice</td>
</tr>
<tr>
<td>General Surgery</td>
</tr>
<tr>
<td>Critical Care Medicine</td>
</tr>
<tr>
<td>Internal Medicine</td>
</tr>
<tr>
<td>Medical Microbiology</td>
</tr>
<tr>
<td>Nephrology</td>
</tr>
<tr>
<td>Neurology</td>
</tr>
<tr>
<td>Neurosurgery</td>
</tr>
<tr>
<td>Obstetrics &amp; Gynaecology</td>
</tr>
<tr>
<td>Ophthalmology</td>
</tr>
<tr>
<td>Orthopedic Surgery</td>
</tr>
<tr>
<td>Otolaryngology</td>
</tr>
<tr>
<td>Pediatrics</td>
</tr>
<tr>
<td>Physical Medicine &amp; Rehabilitation</td>
</tr>
<tr>
<td>Plastic Surgery</td>
</tr>
<tr>
<td>Psychiatry</td>
</tr>
<tr>
<td>Public Health Medicine</td>
</tr>
<tr>
<td>Pulmonary Disease</td>
</tr>
<tr>
<td>Radiology / Diagnostic Radiology</td>
</tr>
<tr>
<td>Rheumatology</td>
</tr>
<tr>
<td>Urology</td>
</tr>
<tr>
<td>Vascular Surgery</td>
</tr>
</tbody>
</table>

**Select your specialty...**
Dentists
Select your specialty...

- Endodontics
- Orthodontics
- General Dentistry
- Pediatric Dentistry
- Implantology
- Periodontics
- Oral Surgery
- Prosthodontics
- Oral and Maxillofacial Surgery
- Restorative Dentistry
Nurses & Midwives
Select your specialty...

Registered Nurse
Assistant Nurse
Registered Midwife
Assistant Midwife
<table>
<thead>
<tr>
<th>Specialty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anesthesia Technician</td>
</tr>
<tr>
<td>Clinical Scientist - Hematology</td>
</tr>
<tr>
<td>Medical Laboratory Technologist</td>
</tr>
<tr>
<td>Physiotherapy Technician</td>
</tr>
<tr>
<td>Anesthesia Technologist</td>
</tr>
<tr>
<td>Dental Assistant</td>
</tr>
<tr>
<td>Microbiology Technologist</td>
</tr>
<tr>
<td>Prosthetics &amp; Orthotics Technician</td>
</tr>
<tr>
<td>Audiologist</td>
</tr>
<tr>
<td>Dental Hygienist</td>
</tr>
<tr>
<td>Nutritionist</td>
</tr>
<tr>
<td>Prosthetics &amp; Orthotics Technologist</td>
</tr>
<tr>
<td>Audiology Assistant</td>
</tr>
<tr>
<td>Dental Lab Technician</td>
</tr>
<tr>
<td>Occupational Therapy Technician</td>
</tr>
<tr>
<td>Radiographer</td>
</tr>
<tr>
<td>Cardiac Perfusionist</td>
</tr>
<tr>
<td>Dialysis Technician</td>
</tr>
<tr>
<td>Occupational Therapist</td>
</tr>
<tr>
<td>Respiratory Technician</td>
</tr>
<tr>
<td>Clinical Biochemistry Technologist</td>
</tr>
<tr>
<td>Dialysis Technologist</td>
</tr>
<tr>
<td>Optometrist</td>
</tr>
<tr>
<td>Respiratory Therapist</td>
</tr>
<tr>
<td>Clinical Dietitian</td>
</tr>
<tr>
<td>Massage Therapist</td>
</tr>
<tr>
<td>Pharmacist</td>
</tr>
<tr>
<td>Respiratory Therapist</td>
</tr>
<tr>
<td>Clinical Pharmacist</td>
</tr>
<tr>
<td>Hematology Technologist</td>
</tr>
<tr>
<td>Pharmacy Technician</td>
</tr>
<tr>
<td>Clinical Psychologist</td>
</tr>
<tr>
<td>Medical Laboratory Technician</td>
</tr>
<tr>
<td>Pharmacy Technician</td>
</tr>
<tr>
<td>Physiotherapist</td>
</tr>
</tbody>
</table>
General Practice

Duration: **165 minutes**
No. of Questions: **150**
Code: **GENPR**
Fee: **USD280**
Pass Score: **60%**

Exam Coverage

- Chronic Diseases
- Acute and/or Common Medical Problems
- Common Pediatric Problems
- Women Health
- Emergency Problems
- Common Surgical Problems

- Common Psychiatric Problems
- Common Eye and ENT Problems
- Common Derma Problems
- Basic Epidemiology and EBM Concepts
- Family Medicine Concepts
- Screening and Periodic Health Examination

References

2. Primary Care Medicine, Latest Edition, Goroll and Mulley.
Otolaryngology

Duration: **150 minutes**
No. of Questions: **100**
Code: **ENT**
Fee: **USD280**
Pass Score: **65%**

Exam Coverage

- Otology and Otoneurology
- Pediatric ENT
- Audiology and Speech
- Emergency
- Laryngology
- Professionalism & Ethics
- Patient Safety
- Rhinology
- Head & Neck

References

2. Primary Care Medicine, Latest Edition, Goroll and Mulley.
Urology

Duration: **150 minutes**

No. of Questions: **100**

Code: **UROLO**

Fee: **USD280**

Pass Score: **65%**

Exam Coverage

- Basics of Urologic surgery
- Infections / Inflammation
- Reproductive / Sexual health
- Trauma / Neurourology
- Urolithiasis / Obstruction
- Renal failure

- Adrenal / Neoplasm
- Prostate
- Pediatric Urology
- Patient Safety
- Professionalism and Ethics
- Contrast and Safety

References

1. Atlas of Urologic Surgery
2. Campell - Walsh UROLOGY
4. 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
Radiology / Diagnostic Radiology

Duration: **165 minutes**
No. of Questions: **150**
Code: **RADDR**
Fee: **USD280**
Pass Score: **65%**

Exam Coverage

- Gastrointestinal
- Genitourinary
- Neuro
- Head and Neck
- Musculoskeletal
- Chest
- Cardiovascular
- Pediatrics
- Interventional
- Breast
- Nuclear Medicine
- Ultrasonography
- Contrast and Safety

References

Ophthalmology

Duration: 150 minutes  No. of Questions: 100  Code: OPHTH  Fee: USD280  Pass Score: 65%

Exam Coverage

- Chronic Diseases
- Acute and/or Common Medical Problems
- Common Pediatric Problems
- Women Health
- Emergency Problems
- Common Surgical Problems

- Common Psychiatric Problems
- Common Eye and ENT Problems
- Common Derma Problems
- Basic Epidemiology and EBM Concepts
- Family Medicine Concepts
- Screening and Periodic Health Examination

References

2. Primary Care Medicine, Latest Edition, Goroll and Mulley.
Public Health Medicine

Duration: 150 minutes  No. of Questions: 150  Code: COMED  Fee: USD280  Pass Score: 65%

Exam Coverage

- Epidemiology
- Preventive medicine
- Biostatistics / research methods
- Health care management
- Health informatics
- Health education & communication
- Maternal & child health care
- Primary Health Care principles/ elements
- Community Medicine ethics/ legal aspects
- School health
- Nutrition
- Elderly health care
- Mental health
- Special needs health care
- Occupational health
- Environmental health
- International health

References
Obstetrics & Gynecology

Duration: **150 minutes**
No. of Questions: **100**
Code: **OBGYN**
Fee: **USD280**
Pass Score: **65%**

Exam Coverage

- General obstetrics
- General Gynecology
- Common Pediatric Problems
- Women Health
- Emergency Problems
- Common Surgical Problems
- Screening and Periodic Health Examination
- Common Psychiatric Problems
- Common Eye and ENT Problems
- Common Derma Problems
- Basic Epidemiology and EBM Concepts
- Family Medicine Concepts

References

5. 5. Professionalism and Ethics, Handbook for Residents, Practical guide, Prof. James Ware, Dr. Abdulaziz Fahad Alkaabba, Dr. Ghaiath MA Hussein, Prof. Omar Hasan.
Family Medicine

Duration: **165 minutes**  
No. of Questions: **150**  
Code: **FAMME**  
Fee: **USD280**  
Pass Score: **65%**

### Exam Coverage

- Surgery
- Pediatrics
- Obstetrics and Gynecology
- Medicine

### References

Pediatrics

Duration: **160 minutes**  
No. of Questions: **100**  
Code: **PEDS**  
Fee: **USD280**  
Pass Score: **70%**

**Exam Coverage**

- Growth and Development  
  Adolescent and behavior  
- Gastroenterology  
- Acute care (ER,PICU,NICU)  
- Metabolic and Endocrine  
- Allergy / Immunology /Infectious Diseases  
- Cardiovascular  
- Hematology/ Oncology  
- Neurology  
- Renal /Musculoskeletal  
- Professionalism and Ethics  
- Patient Safety  
- Respiratory

**References**

4. WHO Health Programs, World Health Organization Website  
Emergency Medicine

Duration: **165 minutes**
No. of Questions: **150**
Code: **EMED**
Fee: **USD280**
Pass Score: **65%**

Exam Coverage

- Toxicology
- Resuscitation
- Psychiatry
- Obstetrics and Gynecology
- Neurology
- Environmental
- Endocrine and Electrolytes
- Hematology oncology
- Pediatrics
- Respiratory
- Trauma and Orthopedic
- Infectious Disease
- Gastroenterology
- Head, Neck, Oral and ENT
- Cardiovascular
- Genito-urinary
- Professionalism and Ethics
- Patient Safety

References

2. EMERGENCY MEDICINE concepts and clinical practice, 6th Edition: by Peter Rosen
Neurosurgery

Duration: 165 minutes  
No. of Questions: 150  
Code: NEURO  
Fee: USD280  
Pass Score: 70%

Exam Coverage

- Principles of Surgery
- Basic Clinical Neuroscience
- Clinical Neurosurgery

References
4. Essential Neurosurgery By: Kaye, A. H. Blackwell Publishing
Exam Coverage

- Cerebrovascular/Stroke/Vasculitis
- Neuro-inflammation/Demyelination
- Neurophthalmology/Neuropsychiatry/Neuro-otology
- Neoplasm/Paraneoplastic
- Movement Disorders
- Professionalism and Ethics
- Epilepsy/Sleep Disorders
- Dementia/Acute Confusion
- Motor Neuron Disease/Neuromuscular disorders/Myelopathy
- Neuropathy/Myopathy
- Genetic/Metabolic Disorders
- Infection Related Disorders

References

Exam Coverage

- Regional Pain Syndromes
- Rheumatoid Arthritis
- Seronegative Spondyloarthropathies
- Cartilage and Bone Diseases
- Crystal Induced Arthropathies
- Infectious and Related Arthrites
- Systemic Lupus Erythematosus and Antiphospholipid Syndrome
- Other Rheumatic and Connective Tissue Diseases
- Vasculitides

References
Exam Coverage

- General Plastic Surgery and Reconstructions
- Hand and Extremity
- Craniomaxillofacial and Pediatric Plastic
- Aesthetic and Breast

References
Orthopedic Surgery

Duration: **150 minutes**  
No. of Questions: **100**  
Code: **ORTHO**  
Fee: **USD280**  
Pass Score: **70%**

### Exam Coverage

- Basic and Principles of Orthopedics
- Infections
- Trauma
- Pediatric Orthopedics
- Orthopedic Sport Medicine
- Metabolic Skeletal Disorders
- Spine
- Reconstruction
- Arthroplasty
- Hand
- Foot and Ankle
- Tumors
- Patient Safety
- Professionalism and Ethics

### References

Critical Care Medicine

Duration: **150 minutes**  
No. of Questions: **100**  
Code: **ICU**  
Fee: **USD280**  
Pass Score: **65%**

Exam Coverage

- Ventilator and ARDS
- Hemodynamic and Shock
- Pharmacology and Medical Therapeutics
- Cardiovascular Diseases
- Pulmonary Diseases
- Infectious Diseases

- Nephrology, Electrolyte and ABG
- Trauma
- Neuro Critical Care
- Surgical Critical Care, Gynecology and Others
- Professionalism and Ethics
- Patient Safety

References

Psychiatry

Duration: **150 minutes**

No. of Questions: **100**

Code: **PSYCH**

Fee: **USD280**

Pass Score: **70%**

**Exam Coverage**

- Child Psychiatry
- Adult Psychiatry/Psychosis
- Adult Psychiatry/Depression
- Adult Psychiatry/Bipolar
- Adult Psychiatry/Anxiety
- Adult Psychiatry/Others
- Geriatric Psychiatry
- Emergency Psychiatry
- Consultation Liaison Psychiatry
- Ethics in Psychiatry
- Ventilator and ARDS
- Substance Related Disorders
- Forensic Psychiatry

**References**

Exam Coverage

- Postmortem change
- Wounds
- Head injuries
- Firearm injuries
- Asphyxia
- Identification
- Drowning
- Hyperthermia
- Hypothermia
- Miscellaneous
- Burns
- Electrocution
- Infanticide
- Sexual offences
- Serology
- Forensic autopsy
- Child abuse
- Forensic radiology
- Forensic anatomy
- Road traffic accident

References
Internal Medicine

Duration: **150 minutes**
No. of Questions: **100**
Code: **INTME**
Fee: **USD280**
Pass Score: **65%**

**Exam Coverage**

- Cardiovascular
- Pulmonary Diseases
- Gastrointestinal Diseases
- Infectious Diseases
- Hematology
- Oncology
- Nephrology
- Rheumatology
- Endocrinology
- Neuroscience
- Emergency Medicine
- Patient Safety

**References**

2. Differential Diagnosis in Internal Medicine: From Symptom to Diagnosis, 2007, Siegenthaler, Thieme Medical Publishers
5. 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
Exam Coverage

- Esophagus
- Stomach/Duodenum
- Small Intestine
- Colonic Diseases
- Biliary Tract

- Liver Diseases
- Pancreas
- Miscellaneous
- Patient safety
- Professionalism and Ethics

References

General Surgery

Duration: **150 minutes**

No. of Questions: **100**

Code: **GENSU**

Fee: **USD280**

Pass Score: **65%**

### Exam Coverage

- Fluid and Electrolytes
- Shock
- Sepsis and Surgical Infections
- Endocrine and Breast
- Upper GI
- Vascular
- Pediatrics
- Skin and Soft Tissue
- Professionalism and Ethics
- Hepatobiliary
- Perioperative Care
- Trauma and Critical Care
- Colorectal and Perianal
- Pancreas and Spleen
- Patient Safety

### References

Clinical Pathology

Duration: 165 minutes  No. of Questions: 150  Code: CPATH  Fee: USD280  Pass Score: 65%

**Exam Coverage**

- Hematology
- Blood Bank
- Biochemistry
- Microbiology
- Molecular and Cytogenetics
- Immunology and Serology

**References**

**Hematology**

**Clinical Biochemistry**
2. Davidson’s Principles and Practice of Medicine, 20th Edition

**Microbiology**
1. Microbiology: Principles and Application, 3rd Edition

**Bloodbank**
AABB Technical Manual. Mark E. Brecher (Ed,) AABB, 2005

**Molecular Pathology**

**Immunology**
Anesthesia

Duration: 150 minutes  No. of Questions: 100  Code: ANAES  Fee: USD280  Pass Score: 65%

Exam Coverage

- Airway
- Respiratory and Thoracic
- Cardiac and Vascular
- Neurosurgical
- Obstetrics
- Neonatal and Pediatric
- Liver and Kidney
- Ethics and Medicolegal Issues

- ENT and Ophthalmology
- Trauma and Burns
- Peripheral Nerve Blocks and Epidural and Spinal
- Critical Care Medicine
- Acute and Chronic Pain
- Endocrine
- Orthopedic Surgery

References
Nephrology

Duration: 90 minutes  
No. of Questions: 70  
Code: NEPH  
Fee: USD220  
Pass Score: 65%

Exam Coverage

- Hemodialysis
- Peritoneal Dialysis
- Kidney Transplantation
- Chronic Kidney Disease (CKD): Detection and Management
- Acute Kidney Injury (AKI)
- Acid Base Disorders

- Fluid and Electrolytes
- Hypertension
- Glomerular and Vascular
- Cystic and Genetic Diseases
- Nephrolithiasis
- Professionalism and Ethics
- Patient safety

References


Return
**Cardiology**

**Duration:** 165 minutes  
**No. of Questions:** 150  
**Code:** CARDIO  
**Fee:** USD280  
**Pass Score:** 75%

**Exam Coverage**

- Coronary Artery Disease
- Cardiac Failure
- Valve Disease
- Arrhythmias
- Congenital Heart Disease
- The Heart in Systemic Disease
- Pericardial Disease
- Infective Endocarditis
- The Cardiomyopathies

**References**

4. Adult Clinical Cardiology Self-Assessment Program - ACCSAP VII - American College of Cardiology.
Pulmonary Diseases

Duration: 90 minutes
No. of Questions: 70
Code: PULM
Fee: USD220
Pass Score: 65%

Exam Coverage

• Infiltrative Lung Disease
• Airway
• Infection
• Pulmonary Vascular
• Cancer
• Pleural Diseases/ Chest Wall
• Sleep/ Neuromuscular
• Intensive Care

References

Dermatology

Duration: 165 minutes  No. of Questions: 150  Code: DERMS  Fee: USD280  Pass Score: 70%

Exam Coverage

- Basic Science
- Pruritus and Papulosqamous Dermatosis
- Urticaria, Erythemas and Purpuras
- Vesiculobullous Diseases
- Adnexal, Hair, Nail and Mucous Membrane Diseases
- Metabolic, Rheumatologic and Systemic Diseases
- Genodermatoses and Pigmentary Disorders
- Infections, Infestations and Bites
- Disorders due to Physical Agents
- Disorders of Langerhans Cells and Macrophages
- Disorders of Dermal CT and Subcutaneous Fat
- Vascular Disorders and Neoplasm of the Skin
- Dermatological Therapy
- Dermatological Surgery and Cosmetology

References

1. Dermatology, Bologna J, Jorizzo J, Rapini R.
2. Rook’s Textbook of Dermatology by D. A. Burns (Editor), S. M. Breathnach (Editor), Neil Cox (Editor), Christopher E. Griffiths (Editor).
4. Lever’s Histopathology of the Skin by David E Elder, Rosalie Elenitsas, Bernett L Johnson, and George F Murphy.
Duration: **165 minutes**
No. of Questions: **150**
Code: **CARSU**
Fee: **USD280**
Pass Score: **65%**

### Exam Coverage

- Anatomy of the Thorax
- Cardiac and Pulmonary Physiology
- Cardiovascular and Pulmonary Pharmacology
- Ischemic Heart Disease
- Valvular Heart Disease
- Diseases of Lung and Mediastinum
- Congenital Heart Disease
- Interpretation of Common Lab Tests
- Radiology of Thorax
- Monitoring of Cardiac Patient
- Cardio-pulmonary Resuscitation
- Arrhythmias and Conduction Defects
- Post-Operative Care of Cardiac Patient

### References

Physical Medicine & Rehabilitation

Exam Coverage

• Anatomy – Physiology
• Brain Injury
• Musculo - Skeletal

• Physical Therapy
• Spinal Cord Med
• Stroke

References
Exam Coverage

- Basic Vascular Knowledge
- Vascular Imaging
- Aneurysmal Disease
- Atherosclerotic Disease & Ischemia
- Visceral & Renovascular Disease
- Neurovascular Disease
- Venous and Lymphatics Diseases
- Vasculitis and Connective Tissue Disease
- AV Fistula and Access
- Vascular Emergencies
- Patient Safety
- Professionalism and Ethics

References
Anatomic Pathology

Duration: **165 minutes**  
No. of Questions: **150**  
Code: **HISTO**  
Fee: **USD280**  
Pass Score: **65%**

**Exam Coverage**

- Cytology
- Skin
- Head and Neck and CNS*
- Respiratory Tract and Cardiovascular System
- Ancillary Techniques: Frozen section, immunohistochemistry, electron microscopy, immunofluorescence, cytogenetics, FISH, flow cytometry, molecular
- Soft tissue and Bone
- Male Reproductive System and Urinary Tract
- Breast and Female Reproductive System and Placenta
- Hematolymphoid
- Quality Control, Lab Safety and Lab Management
- Endocrine System
- GIT**

**References**

2. Rosai and Ackerman’s Surgical Pathology: Expert Consult (Vol 1 &2), (Latest Edition).
4. [www.cap.org](http://www.cap.org)

*Head and Neck and CNS: Includes oral cavity, larynx, nasal cavity, paranasal sinuses, jaws, eyes, salivary glands and ear.

** GIT: Includes Liver, gall bladder and pancreas.
Exam Coverage

- Parasitology
- Infectious Disease
- Immunology / Serology
- Bacteriology
- Virology
- Mycology

References
1. Medical Microbiology, with STUDENT CONSULT. Murray, P. R., Rosenthal, K. S., and Pfaller, M. A., Latest Edition
Prosthetics & Orthotics Technologist

Duration: **150 minutes**  
No. of Questions: **100**  
Code: **PROTH**  
Fee: **USD240**  
Pass Score: **60%**

### Exam Coverage

- Assessment and Examination  
- Functional Anatomy  
- Kinesiology and Biomechanics  
- Lower Limb Amputations and Prosthetics  
- Lower Limb Orthotics  
- Spinal Orthotics  
- Upper Limb Amputations and Prosthetics  
- Upper Limb Orthotics

### References

1. Barbara Engstrom and Catherine van de ven, Therapy for Amputee, 3rd Edition  
4. Lippert, Clinical Kinesiology and Anatomy, 2006  
5. Michaille M.Lusardi, Caroline C.Nielsen, Orthotics and Prosthetics in Rehabilitation  
Prosthetics & Orthotics Technician

Duration: **150 minutes**
No. of Questions: **100**
Code: **PROTH**
Fee: **USD240**
Pass Score: **55%**

Exam Coverage

- Assessment and Examination
- Functional Anatomy
- Kinesiology and Biomechanics
- Lower Limb Amputations and Prosthetics
- Lower Limb Orthotics
- Spinal Orthotics
- Upper Limb Amputations and Prosthetics
- Upper Limb Orthotics

References

1. Barbara Engstrom and Catherine van de ven, Therapy for Amputee, 3rd Edition
4. Lippert, Clinical Kinesiology and Anatomy, 2006
5. Michaille M.Lusardi, Caroline C.Nielsen, Orthotics and Prosthetics in Rehabilitation
Radiographer

Duration: **150 minutes**

No. of Questions: **100**

Code: **RADSP**

Fee: **USD240**

Pass Score: **55%**

### Exam Coverage

- Radiation Protection
- MRI
- X-ray
- Ultrasound
- CT
- Nuclear Medicine
- Fluoroscopy
- General Anatomy
- Patient Safety
- Professionalism and Ethics
- Angio

### References

9. CT Imaging: Practical Physics, Artifacts, and Pitfalls, by Alexander C. Mamourian. ASIN: B01JXRVUPY
Medical Laboratory Technologist

Duration: **150 minutes**  
No. of Questions: **100**  
Code: **LABTO**  
Fee: **USD240**  
Pass Score: **55%**

**Exam Coverage**

- Safety and Quality Control
- Bacteriology
- Virology
- Immunology
- Parasitology
- Hematology
- Blood Bank
- Biochemistry
- Hormones
- Urinalysis
- Mycology

**References**

1. Laboratory Practice in Tropical Countries, Monica Cheesbrough (latest Edition)
3. Clinical Immunology and Serology, Christine Dorresteyn Stevens (latest Edition)
Medical Laboratory Technician

Duration: **150 minutes**  
No. of Questions: **100**  
Code: **LABTE**  
Fee: **USD240**  
Pass Score: **50%**

Exam Coverage

- Safety and Quality Control
- Bacteriology
- Virology
- Immunology
- Parasitology
- Hematology
- Blood Bank
- Biochemistry
- Hormones
- Urinalysis
- Mycology

References

1. Laboratory Practice in Tropical Countries, Monica Cheesbrough (latest Edition)
3. Clinical Immunology and Serology, Christine Dorresteyn Stevens (latest Edition)
Exam Coverage

- Dental Anatomy
- Dental Assistant
- Dental Health
- Dental Materials
- Dental Radiography
- Infection Control
- Preventive Dentistry
- Supplies and Logistics
- Communication and Patient Education
- Ethics

References
Dental Lab Technician

Duration: **165 minutes**  
No. of Questions: **150**  
Code: **DLT**  
Fee: **USD240**  
Pass Score: **55%**

---

**Exam Coverage**

- Dental Anatomy and Occlusion
- Dental Materials
- Removable Complete Prosthesis
- Fixed Restorations
- Removable Partial Prosthesis
- Infection Control
- Dental Implant Prosthesis
- Orthodontics appliances
- Maxillofacial Prosthesis
- Health and Safety
- CAD - Cam Restorations

---

**References**

Respiratory Therapist

Duration: 150 minutes  
No. of Questions: 100  
Code: RESTE  
Fee: USD240  
Pass Score: 60%

Exam Coverage

- Patient Data
- Assessment and Evaluation
- Equipment Manipulation, Troubleshooting / Quality Control
- Patient Safety
- Therapeutic Procedures
- Airway Patency and Care
- Bronchial Hygiene Techniques
- Infection Control
- Mechanical Ventilation
- Pulmonary Rehabilitation and Home Care
- Patient Education

References
Respiratory Technician

Duration: 150 minutes
No. of Questions: 100
Code: RESTE
Fee: USD240
Pass Score: 55%

Exam Coverage

• Patient Data
• Assessment and Evaluation
• Equipment Manipulation, Troubleshooting / Quality Control
• Patient Safety
• Therapeutic Procedures

• Airway Patency and Care
• Bronchial Hygiene Techniques
• Infection Control
• Mechanical Ventilation
• Pulmonary Rehabilitation and Home Care
• Patient Education

References
Massage Therapist

Duration: **90 minutes**  
No. of Questions: **70**  
Code: **MASST**  
Fee: **USD180**  
Pass Score: **45%**

Exam Coverage

- Anatomy
- Physiological Effects and Contraindications of Massage
- Basic Techniques of Massage
- Physical Evaluation Skills
- Management of Diseases by Massage
- Management of Sport Conditions by Massage

References

   8. Textbook of Medical Physiology, Guyton and Hall.
Physiotherapy Technician

Duration: **165 minutes**  
No. of Questions: **150**  
Code: **PHYTH**  
Fee: **USD240**  
Pass Score: **50%**

Exam Coverage

- Medical Knowledge
- PT Knowledge
- Orthopedics
- Neurology and Pediatrics
- Cardiopulmonary and Geriatrics

References
5. Tide’s Physical Therapy, Ann Thomason, 12th Edition
Cardiac Perfusionist

Duration: **165 minutes**  
No. of Questions: **150**  
Code: **CARFU**  
Fee: **USD240**  
Pass Score: **50%**

## Exam Coverage

- Cardiac Anatomy  
- Cardiac and Pulmonary Physiology  
- Cardiovascular Pharmacology  
- Ischemic Heart Disease  
- Myocardial Preservation  
- Valvular Heart Disease  
- Cardiac Arrhythmias  
- Congenital Heart Disease  
- Cerebral Protection  
- Blood Conservation  
- Monitoring of Cardiac Patient  
- Acid-Base and Fluid Balance  
- Cardio-pulmonary Bypass  
- Cannulae and Circuits for CPB

## References

Microbiology Technologist

Duration: **150 minutes**  
No. of Questions: **100**  
Code: **MICRO**  
Fee: **USD240**  
Pass Score: **55%**

**Exam Coverage**

- Growth Media, Staining Techniques, and Presumptive Identification  
- Urinary and Genital Tract Infections  
- Respiratory Tract, TB, and CNS Infections  
- Blood Sepsis and Blood Asepsis  
- Gastrointestinal Tract Infections  
- Immunology and Diagnostic Virology  
- Mycology and Parasitology

**References**

- Bacterial Metabolism, Gottschalk, 2nd Edition, Springer  
- Dietary Supplements, Toxicology, and Clinical Pharmacology, Cupp and Tracy, Humana  
- Mackie and McCartney Practical Medical Microbiology, Collee et al, 14th Edition, Churchill Livingstone  
- Male Infertility: A Guide for the Clinician, Jequier, Blackwell  
- Medical Laboratory Technology, Volume 2, Mukherjee, 2010, Tata McGraw-Hill  
- Practical Handbook of Microbiology, Goldman and Green, 2nd Edition, 2008, CRC  
- Textbook of Medical Laboratory Technology, Sood, 2006, Jaypee  
- Textbook of Microbiology and Immunology, Parija, 2009, Elsevier
Dental Hygienist

Duration: **90 minutes**  
No. of Questions: **70**  
Code: **DENHY**  
Fee: **USD180**  
Pass Score: **55%**

**Exam Coverage**

- Basic Anatomy and Physiology
- Patient Assessment and Diagnosis
- Treatment Planning and Disease Prevention
- Medically Compromised and Patients with Special Needs
- Microbiology and Pathology
- Preparation for Appointment
- Patient Management and Instrumentation
- Community Dental Hygiene
- Ethics

**References**

Pharmacy Technician

Duration: **150 minutes**

No. of Questions: **100**

Code: **PHTCH**

Fee: **USD240**

Pass Score: **55%**

**Exam Coverage**

- Pharmacy Calculation
- Pharmacy Compounding
- Over the Counter Medication
- Medication Safety
- Pharmacy Law and Ethics
- Chronic Illness
- Material Management

**References**

1. Remington "The Science and Practice of Pharmacy" Beringer, Paul et al. (Latest Edition)
2. Goodman and Gilman's "The Pharmacological Basis of Therapeutics" Hardman; Limbird; Gilman. (Latest Edition)
Exam Coverage

- Toxicology
- Pregnancy and Lactation
- Pediatrics
- Geriatrics
- Pharmacy Calculation and Compounding
- Pharmacokinetics
- Pharmaceutical Care and Disease State Management
- Medication Safety
- Over the Counter Medication
- Pharmacy Law and Ethics

References
Clinical Pharmacist

Duration: **165 minutes**
No. of Questions: **150**
Code: **PHOLO**
Fee: **USD240**
Pass Score: **70%**

### Exam Coverage

- Toxicology
- Pregnancy and Lactation
- Pediatrics
- Geriatrics
- Pharmacy Calculation and Compounding
- Pharmacokinetics
- Pharmaceutical Care and Disease State Management
- Medication Safety
- Over the Counter Medication
- Pharmacy Law and Ethics

### References

Exam Coverage

- Kinesiology, Biomechanics and Ergonomics
- Anatomy and Physiology
- Clinical Decision Making and Differential Diagnosis
- Physical agents (Electrotherapy and Hydrotherapy)
- Therapeutic Exercises and Techniques
- Physical Therapy in Special Population (OBGYN, Pediatrics, Geriatrics)
- Cardiopulmonary Physical Therapy
- Sports Physical Therapy
- Neurorehabilitation
- Musculoskeletal rehabilitation

References
5. Physiotherapy Secrets, PP Mohanty & Monalisa Pattnaik.
Occupational Therapist

Duration: **165 minutes**
No. of Questions: **150**
Code: **ORAPS**
Fee: **USD240**
Pass Score: **55%**

**Exam Coverage**

- Neurological Conditions
- Physical Disabilities
- Developmental Disabilities
- Group Intervention

- Hand Dysfunctions
- Psychosocial Problems
- Pediatric Conditions
- Ethics and Professionalism

**References**

Occupational Therapy Technician

Duration: **165 minutes**
No. of Questions: **150**
Code: **ORAPS**
Fee: **USD240**
Pass Score: **50%**

Exam Coverage

- Neurological Conditions
- Physical Disabilities
- Developmental Disabilities
- Group Intervention
- Hand Dysfunctions
- Psychosocial Problems
- Pediatric Conditions
- Ethics and Professionalism

References

Exam Coverage

- Geometric Optics
- Clinical Visual Optics
- Basic Ocular Anatomy and Physiology
- Binocular Vision
- Refraction
- Contact Lenses

- Ocular Disease
- Pediatric Optometry
- Geriatric Optometry
- Low Vision Practice
- Environmental Optometry

References

Audiologist

Duration: **150 minutes**  
No. of Questions: **100**  
Code: **AUDIO**  
Fee: **USD 240**  
Pass Score: **55%**

Exam Coverage

- Ethics and Professionalism
- Infection Control
- Anatomy and Physiology
- Physics of Sound
- Instrumentation
- Pediatrics
- Adults and Older Adults
- Auditory Evoked Potentials
- Vestibular/Balance
- Disorders and Syndromes
- Hearing Aids and implantable Hearing Devices
- Documentation and Communication / Counseling

References

Audiology Assistant

Duration: **150 minutes**
No. of Questions: **100**
Code: **AUDIO**
Fee: **USD240**
Pass Score: **50%**

Exam Coverage

- Ethics and Professionalism
- Infection Control
- Anatomy and Physiology
- Physics of Sound
- Instrumentation
- Pediatrics
- Adults and Older Adults
- Auditory Evoked Potentials
- Vestibular/Balance
- Disorders and Syndromes
- Hearing Aids and implantable Hearing Devices
- Documentation and Communication / Counseling

References

Anesthesia Technologist

Duration: **150 minutes**  
No. of Questions: **100**  
Code: **ANATE**  
Fee: **USD240**  
Pass Score: **60%**

**Exam Coverage**

- Airway
- Anesthesia Machine
- Respiratory
- Cardiovascular
- Transfusion
- Resuscitation and Crisis
- Central Nervous System
- Infection Control
- Professionalism and Ethics
- Obstetrics Anesthesia
- General Anesthesia
- Regional Anesthesia

**References**

Anesthesia Technician

Duration: 150 minutes  
No. of Questions: 100  
Code: ANATE  
Fee: USD240  
Pass Score: 55%

Exam Coverage

- Airway
- Anesthesia Machine
- Respiratory
- Cardiovascular
- Transfusion
- Resuscitation and Crisis
- Central Nervous System
- Infection Control
- Professionalism and Ethics
- Obstetrics Anesthesia
- General Anesthesia
- Regional Anesthesia

References
**Clinical Biochemistry Technologist**

**Duration:** 165 minutes  
**No. of Questions:** 150  
**Code:** BICTH  
**Fee:** USD240  
**Pass Score:** 50%

**Exam Coverage**

- Lab Safety  
- Quality Control  
- General Chemistry  
- Special Chemistry  
- Endocrinology  
- Automation  
- Point of Care Testing  
- Therapeutic Drug Monitoring and Toxicology  
- Inborn Error of Metabolism  
- Ethics

**References**

Clinical Dietitian

Duration: **150 minutes**  
No. of Questions: **100**  
Code: **NUTRO**  
Fee: **USD240**  
Pass Score: **55%**

**Exam Coverage**

- Fundamental of Dietetics, Food Management and Services
- Obesity
- Cardiovascular Diseases
- Diabetes Mellitus
- Renal Diseases
- Liver Diseases
- Gastro-Intestinal Diseases
- Metabolic Disorders
- Inflammatory Diseases and Cancer
- Nutrition Support
- Community Nutrition
- Nutrition Through Life Cycle

**References**

Nutritionist

Duration: **150 minutes**

No. of Questions: **100**

Code: **NUTRO**

Fee: **USD240**

Pass Score: **50%**

Exam Coverage

- Fundamental of Dietetics, Food Management and Services
- Obesity
- Cardiovascular Diseases
- Diabetes Mellitus
- Renal Diseases
- Liver Diseases
- Gastro-Intestinal Diseases
- Metabolic Disorders
- Inflammatory Diseases and Cancer
- Nutrition Support
- Community Nutrition
- Nutrition Through Life Cycle

References

Hematology Technologist

Duration: **150 minutes**  
No. of Questions: **100**  
Code: **MTH**  
Fee: **USD240**  
Pass Score: **55%**

**Exam Coverage**

- Lab Safety
- Quality Control
- Hematology Analyzer/ Automation and Peripheral Blood Film
- Manual Procedures (Cell Counts)
- Special Hematology
- Special Stains and Films
- Coagulation
- Transfusion Medicine
- Blood Banking
- Body Fluids
- Ethics

**References**

Clinical Scientist - Hematology

Duration: **150 minutes**  
No. of Questions: **100**  
Code: **MTH**  
Fee: **USD240**  
Pass Score: **65%**

**Exam Coverage**

- Lab Safety
- Quality Control
- Hematology Analyzer/ Automation and Peripheral Blood Film
- Manual Procedures (Cell Counts)
- Special Hematology
- Special Stains and Films
- Coagulation
- Transfusion Medicine
- Blood Banking
- Body Fluids
- Ethics

**References**

Clinical Psychologist

Duration: **150 minutes**
No. of Questions: **150**
Code: **CPSYC**
Fee: **USD 240**
Pass Score: **55%**

Exam Coverage

- Schools of Psychology
- Biological Psychology
- Developmental Psychology
- Psychology of Learning
- General Psychology
- Personality and Individual Differences
- Clinical Psychology
- Research Methodology

References
Dialysis Technologist

Duration: **165 minutes**  
No. of Questions: **150**  
Code: **RDTCH**  
Fee: **USD240**  
Pass Score: **55%**

---

**Exam Coverage**

- Dialysis Machine Set-up
- Dialysis Treatment Initiation
- Patient Monitoring
- Dialysis Treatment Termination
- Documentation
- Equipment Monitoring-Maintenance
- Water System
- Vascular Access

---

**References**

Dialysis Technician

Duration: **165 minutes**
No. of Questions: **150**
Code: **RDTCH**
Fee: **USD240**
Pass Score: **50%**

**Exam Coverage**

- Dialysis Machine Set-up
- Dialysis Treatment Initiation
- Patient Monitoring
- Dialysis Treatment Termination
- Documentation
- Equipment Monitoring-Maintenance
- Water System
- Vascular Access

**References**

Registered Nurse

Duration: 165 minutes
No. of Questions: 150
Code: RN
Fee: USD240
Pass Score: 55%

Exam Coverage

- Unit Management and Leadership
- Fundamentals
- Maternal – Child Nursing
- Adult Nursing

References

11. Nursing Technician Blueprint
17. Polit, D and Beck, Essentials of Nursing Research: Appraising Evidence for Nursing
Assistant Nurse

Duration: 165 minutes  
No. of Questions: 150  
Code: ARN  
Fee: USD240  
Pass Score: 50%

Exam Coverage

- Unit Management and Leadership
- Fundamentals
- Maternal – Child Nursing
- Adult Nursing

References

11. Nursing Technician Blueprint
17. Polis, D and Beck, Essentials of Nursing Research: Appraising Evidence for Nursing
Assistant Midwife

Duration: **90 minutes**
No. of Questions: **70**
Code: **MIDWI**
Fee: **USD180**
Pass Score: **45%**

**Exam Coverage**

- Antenatal Care
- Intrapartum Care
- Ethics and Legal Issues
- Antepartum Care
- Postpartum Care
- Newborn Care
- Gynecological Care
- Pharmacology in Midwifery
- Counseling and Education

**References**

2. AWHONN’s Perinatal Nursing: Co-Published with AWHONN, Latest Edition.
Registered Midwife

Duration: **90 minutes**  
No. of Questions: **70**  
Code: **MIDWI**  
Fee: **USD180**  
Pass Score: **50%**

**Exam Coverage**

- Antenatal Care
- Intrapartum Care
- Ethics and Legal Issues
- Antepartum Care
- Postpartum Care
- Newborn Care
- Gynecological Care
- Pharmacology in Midwifery
- Counseling and Education

**References**

2. AWHONN’s Perinatal Nursing: Co-Published with AWHONN, Latest Edition.
Oral Surgery

Duration: **150 minutes**  
No. of Questions: **100**  
Code: **ORSU**  
Fee: **USD280**  
Pass Score: **65%**

Exam Coverage

- Anesthesia and Pain Management
- Trauma
- Temporomandibular Joint
- Dentoalveolar Surgery
- Implant Surgery
- Reconstruction
- Cosmetic
- Deformities and Orthognathic Surgery
- Patient Safety
- Professionalism and Ethics

References

Implantology

Duration: **150 minutes**  
No. of Questions: **100**  
Code: **IMPLA**  
Fee: **USD280**  
Pass Score: **70%**

### Exam Coverage

- Dental Implant Rational, Types and Design
- Medical Examination
- Periodontal Consideration in Implant Therapy
- Dental, Radiographic and Photographic Records
- Hard Tissue Reconstruction
- Diagnosis and Treatment Plan
- Surgical Principles
- Implant in the Posterior Region vs. Implant in the Esthetic Zone
- Soft Tissue Reconstruction
- Immediate vs. Delayed Implant
- Prosthetic Options and Workflow
- Biomechanics and Occlusion
- Maintenance
- Complications

### References

Pediatric Dentistry

Duration: 150 minutes  No. of Questions: 100  Code: PEDOD  Fee: USD280  Pass Score: 70%

Exam Coverage

- Dental Development and Anomalies
- Prevention
- Local Anesthesia and Sedation
- Restorative Dentistry and Dental Material
- Special Care for Special Patients
- Trauma
- Behavior
- Orthodontics and Space Management Habits

References

Prosthodontics

Duration: **165 minutes**  
No. of Questions: **150**  
Code: **PRODE**  
Fee: **USD280**  
Pass Score: **70%**

### Exam Coverage

- Fixed Partial Dentures (FPD)  
- Removable Partial Dentures  
- Occlusion  
- Team Approach  
- Esthetic Considerations  
- Removable Complete Dentures (CD)

- Endodontically Treated Teeth  
- Communication with Lab  
- Implant Prosthodontics  
- Dental Materials  
- Professionalism and Ethics  
- Patient safety

### References

Restorative Dentistry

Duration: **165 minutes**
No. of Questions: **150**
Code: **RESTO**
Fee: **USD280**
Pass Score: **65%**

Exam Coverage

- Basic Implantology
- Complete Removable Prosthodontics
- Dental Anatomy and Occlusion
- Fixed Prosthodontics
- Operative Dentistry
- Removable Partial Prosthodontics
- Ethics and Professionalism
- Infection Control and Patient safety

References

Endodontics

Duration: **150 minutes**  
No. of Questions: **100**  
Code: **ENDO**  
Fee: **USD280**  
Pass Score: **70%**

**Exam Coverage**

- Dental Pulp and Periapical Tissues
- Endodontic Pain and Emergencies
- Primary Endodontic Treatment Procedures
- Endodontic Failures
- Endodontic Surgeries
- Trauma
- Regenerative Procedures
- Endo-Perio Lesions
- Medically Compromised Patients
- Endodontic Pharmacology

**References**

Oral and Maxillofacial Surgery

Duration: **150 minutes**  
No. of Questions: **100**  
Code: **OMS**  
Fee: **USD280**  
Pass Score: **65%**

**Exam Coverage**

- Anesthesia and Pain Management  
- Trauma  
- Temporomandibular Joint
- Dentoalveolar Surgery  
- Implant Surgery  
- Patient Safety  
- Professionalism and Ethics  
- Reconstruction  
- Cosmetic  
- Deformities and Orthognathic Surgery

**References**

Orthodontics

Duration: **165 minutes**  
No. of Questions: **150**  
Code: **ORDNT**  
Fee: **USD280**  
Pass Score: **65%**

Exam Coverage

- Developing Dentofacial Problems (Interceptive orthodontics for Intra-arch problems)
- Dentofacial Orthopedics (Interceptive orthodontics for inter-arch problems)
- Dental Materials
- Major Dentofacial Abnormalities
- Orthodontic Treatment Phases and Mechanotherapy
- Contemporary Orthodontic Techniques
- Occlusion and Temporomandibular Disorders
- Interdisciplinary Care of Adult Patients
- Principles of Appliance Design and Biomechanics
- Photography, Radiology, Cephalometry and Record keeping
- Retention and Stability
- Patient Motivation
- Patient Safety
- Professionalism and Ethics

References

Exam Coverage

- Anesthesia and Pain Management
- Trauma
- Temporomandibular Joint
- Dentoalveolar Surgery
- Implant Surgery
- Reconstruction
- Cosmetic
- Deformities and Orthognathic Surgery
- Patient Education
- Ethics

References

Periodontics

Duration: **150 minutes**  
No. of Questions: **100**  
Code: **PEROD**  
Fee: **USD280**  
Pass Score: **65%**

Exam Coverage

- Periodontal Structures
- Aetiology, Microbiology and Immunology
- Examination, Diagnosis, Risk Factors and Classification
- Non-Surgical Periodontal Therapy, Periodontal Medicine and Pharma-Therapeutics
- Periodontal Surgical Techniques and Complications
- Inter-relation between Periodontal Therapy and other Dental Specialties
- Periodontal Maintenance and long-term health

- Indications, Contraindications and Biomechanical Principles for Dental Implants
- Pre-Surgical Assessment, Treatment Planning and Site Preparation in Dental Implant Therapy
- Peri-implant Soft and Hard Tissue Management
- Surgical Complications and Management of Peri-Implant Diseases and Failures
- Maintenance of Dental Implants
- Patient Safety
- Professionalism and Ethics

References

1. Clinical Periodontology and Implant Dentistry, Sixth Edition 2015 (volume 1 and 2). Edited by Jan Lindhe and Niklaus Lang
5. 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

Return
For inquiries, contact:

Assessments@dha.gov.ae