



DHA Healthcare Professional Licensing Assessment Guideline

Computer Based Testing (CBT)

Updated - July 2024

Guideline Preview

Computer Based Testing (CBT), or online Assessment is conducted by DHA for professional evaluation for healthcare licensure, in certain specialties, to practice in the Emirate of Dubai.

CBTs are managed and run by our partner '**Prometric**', 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 be assessed through an oral assessment (For e.g., certain 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.

The Exam Duration is including the registration, process introduction and exam content.

Exam format: Multiple Choice Questions (MCQs).

Exam result: 'Pass' or 'Fail' will be updated in the applicant's Sheryan account. The applicant's score will not be shared.

Exam Exemption: Based on the [PQR](#) criteria and [DHA Licensing Healthcare Professionals policy](#).

How to Apply

1 Check your eligibility

2 Apply for Registration

3 Copy DHA Unique ID

4 Generate Eligibility ID*

5 Schedule Exam



Professional Category

Select your Professional Category...

1 Physicians-Specialist

2 Dentists

3 Nurses & Midwives

4 Allied Healthcare

5 T C A M



Physicians- Specialist Title

Select your specialty...

Anatomic Pathology	Family Medicine	Neurosurgery	Public Health Medicine
Anesthesia	Forensic Medicine	Obstetrics & Gynecology	Public Health & Preventive Medicine
Cardiology	Gastroenterology	Ophthalmology	Pulmonary Disease
Community Medicine	General Practice	Orthopedic Surgery	Radiology
Clinical Pathology	General Surgery	Otolaryngology	Rheumatology
Critical Care Medicine	Hematopathology	Pediatrics	Sports Medicine
Dermatology	Internal Medicine	Pediatric Surgery	Urology
Diagnostic Radiology	Medical Microbiology	Physical Medicine & Rehabilitation	Vascular Surgery
Emergency Medicine	Nephrology	Plastic Surgery	
Endocrinology	Neurology	Psychiatry	

Professional Category

Dentists-Specialist Title

Select your specialty...

Endodontics

Orthodontics

General Dentistry

Pediatric Dentistry

Implantology

Periodontics

Oral Surgery

Prosthodontics

Oral and Maxillofacial Surgery

Restorative Dentistry



Professional Category

Nurses and Midwives

Select your title...

Registered Nurse

Assistant Nurse

Registered Midwife

Assistant Midwife



Professional Category

Allied Healthcare

Select your specialty...

Aesthetician / Beauty Therapist

Anesthesia Technician

Anesthesia Technologist

Audiologist

Audiology Assistant

Cardiac Perfusionist

Clinical Biochemistry - Clinical Scientist

Clinical Biochemistry Technologist

Clinical Dietitian

Clinical Pharmacist

Clinical Psychologist

(CSS) Aide

(CSS) Technician

Dental Assistant

Dental Hygienist

Dental Lab Aide

Dental Lab Technician

Dialysis Technologist

Dialysis Technician

ECG Technician

Hematology Technologist

Hematology - Clinical Scientist

Massage Therapist

Medical Microbiology - Clinical Scientist

Medical Microbiology Technologist

Medical Laboratory Technologist

Medical Laboratory Technician

Nutritionist

Occupational Therapist

Occupational Therapy technician

Optometrist

Pharmacist

Pharmacy Technician

Prosthetics & Orthotics Technologist

Prosthetics & Orthotics Technician

Physiotherapist

Physiotherapy Technician

Radiographer

Radiography Technician

Respiratory Technician

Respiratory Therapist

Professional Category

Traditional, Complementary and Alternative Medicine- TCAM

Select your title...

Homeopathy Practitioner

Ayurveda Practitioner



Professional Category

Physicians

Anatomic Pathology

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **HIS5571**

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

1. Kumar, V., Abbas, A., Aster, J., Turner, J., Perkins, J., & Robbins, S. Robbins & Cotran pathologic basis of disease. (Latest Edition).
2. Rosai, J., Ackerman, L., & Rosai, J. (2011). Rosai and Ackerman's surgical pathology. Edinburgh: Mosby. (Vol 1&2), (Latest Edition).
3. Mills, S., Greenson, J., Hornick, J., Longacre, T., & Reuter, V. Sternberg's diagnostic surgical pathology. (Volume 1 and Volume 2), (Latest Edition).
4. 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.

Physicians Anesthesia

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **ANA5781**

Fee: **USD280**

Pass Score: **65%**

Exam Coverage:

- Airway
- Thoracic, Cardiac & Vascular
- Neurosurgical & Critical Care Medicine
- Obstetrics & Gynecology
- Neonatal and Pediatric
- Organ Based Anesthesia
- Trauma, Burns & Orthopedic Surgery
- Professionalism and Ethics
- Regional Anesthesia, Acute & Chronic Pain
- Peri Operative Medicine
- Peripheral Nerve Blocks & Epidural & Spinal
- Critical Care Medicine
- Patient Safety

References

1. Clinical Anesthesiology: Morgan and Mikhail's, Latest Edition.
2. Stoelting's Anaesthesia and Co-Existing Disease: Roberta L. Hines MD, Latest Edition.
3. Clinical Anaesthesia (Clinical Anesthesia (Barash) Lippincott Williams and Wilkins, Latest Edition.
4. Anaesthesia, Ronald D. Miller (Churchill Livingstone), Latest Edition.
5. Essentials of Anesthesiology, Chung and Lam (W.B. Saunders Company), Latest Edition.
6. The ICU Book, Paul L. Marino (Williams and Wilkins), Latest Edition.

Physicians Cardiology

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **CRD5751**

Fee: **USD280**

Pass Score: **65%**

Exam Coverage:

- Coronary Artery Disease
- Cardiac Failure
- Valve Disease
- Arrhythmias
- Congenital Heart Disease
- Professionalism and Ethics
- Systemic Disease
- Pericardial Disease
- Infective Endocarditis
- Peripheral Vascular Disease
- The Cardiomyopathies
- Cardiac Pharmacology

References

1. Braun Wald's Heart Disease: A Textbook of Cardiovascular Medicine, 10th Edition..
2. Hurst's the Heart, 14th Edition.
3. Textbook of cardiovascular Medicine by Eric J Topol, 3rd edition
4. Mayo Clinic Cardiology: Concise Textbook, 4th Edition.
5. Adult Clinical Cardiology Self-Assessment Program - ACCSAP VII - American College of Cardiology.
6. Essentials of Patient Safety, SCHS, Latest Edition.

Physicians

Community Medicine

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **SCO6012**

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

1. Last JM (Ed): A Dictionary of Epidemiology, 4th Edn. New York: Oxford University Press, 2000 [French, Chinese, Japanese, Farsi, Serbian, Russian, Slovakian translations published 2001-6] .
2. Pencheon D, Guest C, Melzer D, Muir Gray JA, editors. Oxford Handbook of Public Health. Practice. First Edition, reprinted 2003. Oxford University Press, New York; 2003.
3. Park K. Park's Textbook of Preventive and Social Medicine. 18th ed. M/s Banarsidas Bhanot Publishers, India; 2005.

Physicians

Clinical Pathology

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **CPA5541**

Fee: **USD280**

Pass Score: **65%**

Exam Coverage:

- Hematology
- Malignant Hematology (Leukemia, Lymphoma)
- Surgical Pathology, Autopsy and Forensic Pathology
- Bacteriology, Microbiology, Biochemistry
- Mycology and Parasitology
- Virology, Immunology and Serology
- Cytogenetics and Molecular Studies
- Clinical Chemistry and Toxicology
- Blood bank and Transfusion Medicine
- Laboratory management, Quality, Safety and Ethics

References

1. Post graduate haematology, A Victor Hoffbrand, Daniel Catovsky, Edward GD, Tuddenham and Anthony R. Green, Latest Edition.
2. AABB Technical Manual. Mark E. Brecher, Latest Edition.
3. Medical Microbiology, Churchill Livingstone, Latest Edition.
4. Dacie and Lewis: Practical Haematology. Lewis SM, Bain BJ, Bates I, Latest Edition.
5. Robbins and Cotran Pathologic Basis of Disease, Latest Edition.
6. Henry's Clinical Diagnosis and Mangement by labatory methods latest edition, Mcpherson, Pinay latest
7. Tietz Textbook of Clinical Chemistry and Molecular Diagnostic, latest edition, Carl A. Burtis

Physicians

Critical Care Medicine

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **ICU5231**

Fee: **USD280**

Pass Score: **65%**

Exam Coverage:

- Pulmonary Diseases and Mechanical Ventilation
- Infectious Diseases
- Gastrointestinal Disorders
- Pharmacology and Toxicology
- Cardiovascular Diseases and Hemodynamics
- Renal, Endocrine and Metabolic Disorders
- Hematologic and Oncologic Disorders
- Neurologic Disorders
- Critical Care Radiology
- Obstetrics and Gynecology Disorders
- Obstetrics and Gynecology Disorders
- Patient Safety & Professionalism and Ethics

References

1. Hall, JB, Schmidt, GA, Wood, LD. Principles of Critical Care. USA : The McGraw-Hill Companies, Latest Edition.
2. Tierney McPhee Papadakis. Current Medical Diagnosis and Treatment, USA: The McGraw-Hill Companies, Latest Edition.
3. Fauci, AS, Kasper, DF, Longo, DL, Braunwald, E, Hauser, SL, Jameson, JL, Loscalzo, J. Harrison's Principles of Internal Medicine. USA: The McGraw-Hill Companies, Latest Edition.
4. Marino, PL. The ICU Book, Pennsylvania: Lippincott Williams and Wilkins, Latest Edition.
5. Curtis, GT, Nelson, LT. ICU Recall, USA: Lippincott Williams and Wilkins, Latest Edition.
6. 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.
7. Essentials of Patient Safety, SCHS, Latest Edition.

Physicians Category

Physicians

Dermatology

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **DER5421**

Fee: **USD280**

Pass Score: **65%**

Exam Coverage:

- Basic Science
- Papulosquamous and Eczematous Dermatoses
- Urticaria, Erythema's, Purpura and Connective Tissue Diseases
- Vesiculobullous Disorders
- Adnexal, Hair, Nails and Mucous Membranes Diseases
- Metabolic, Systemic Diseases and Disorders of Dermal Connective Tissues and Subcutaneous Fat
- Infections, Infestations and Bites
- Cutaneous Neoplasms
- Pediatric Dermatology
- Procedural Dermatology
- Skin Manifestations of Other Diseases
- Pigmentary Disorders and Photodermatosis
- Patient Safety
- Professionalism and Ethics

References

1. Goldsmith, Lowell A, et al. Fitzpatrick's Dermatology in General Medicine. Latest Edition., vol. 2, McGraw Hill Professional.
2. Bologna, Jean L, et al. Dermatology. Latest Edition, Gulf Professional Publishing.
3. Wolverton, Stephen E. Comprehensive Dermatologic Drug Therapy. Latest Edition, Elsevier Health Sciences.
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.
5. Essentials of Patient Safety, SCHS, Latest Edition

Physicians

Diagnostic Radiology

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **SDR6042**

Fee: **USD280**

Pass Score: **65%**

Exam Coverage:

- Body Imaging
- Neuro Imaging
- Head and Neck Imaging
- Musculoskeletal Imaging
- Chest Imaging
- Cardiovascular Imaging
- Pediatrics Imaging
- Women Imaging
- Ethics and Research
- Patient Safety
- Contrast, Physics and Radiation Safety

References

1. W. Richard Webb, 2010. Thoracic Imaging: Pulmonary and Cardiovascular Radiology
2. W. Richard Webb and Nestor L. Muller, 2014. High-Resolution CT of the Lung.
3. Elsevier, 2016. Neuroradiology: The Requisites
4. Elsevier, 2015. Diagnostic Imaging: Brain
5. John R. Haaga, MD FACR FSIR FSCBT FSRS and Daniel Boll MD FSCBT, 2016. CT and MRI of the Whole Body, 2-Volume Set, 6th Edition
6. Richard C. Semelka and Michele A. Brown, 2016. Abdominal-Pelvic MRI, 4th Edition
7. Michele Walters and Richard L. Robertson, 2016. Pediatric Radiology: The Requisites, (Requisites in Radiology), 4th Edition
8. Clyde A. Helms, Mark W. Anderson, Nancy M. Major, and Phoebe Kaplan, 2001. Musculoskeletal MRI, 2nd Edition
9. Donald Resnick and Mark Kransdorf, 2004. Bone and Joint Imaging, 3rd Edition
10. Peter M. Som, and Hugh D. Curtin, 2011. Head and Neck Imaging - 2 Volume Set: Expert Consult- Online and Print, 5th Edition
11. Essential Physics of Medical Imaging, by Jerrold Bushberg. 3rd Edition. ISBN: 9780781780575

Physicians

Emergency Medicine

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **EME5531**

Fee: **USD280**

Pass Score: **60%**

Exam Coverage:

- Toxicology
- Resuscitation / Shock / Airway
- Psychiatry
- Obstetrics and Gynecology
- Neurology / Psychiatry
- Infectious Disease
- Patient Safety
- Endocrine and Electrolytes
- Hematology & oncology
- Pediatrics
- Trauma / EMS / Disaster
- Nephrology / Urology/Orthopedic
- Toxicology / Environmental
- Gastroenterology
- Head, Neck
- Cardiovascular and Respiratory Diseases
- Genito-urinary, Derma, Ophth, ENT
- End of life and Palliative care
- Professionalism and Ethics

References

1. In Tintinalli, J. E., In Stapczynski, J. S., In Ma, O. J., In Yealy, D. M., In Meckler, G.D., & In Cline, D. (2018). Tintinalli's emergency medicine: A comprehensive study guide.
2. Walls, R. M., Hockberger, R. S., & Gausche-Hill, M. (2018). Rosen's emergency medicine: Concepts and clinical practice
3. Hedges, J. R., & Roberts, J. R. (2014). Roberts and Hedges' clinical procedures in emergency medicine. Philadelphia, PA: Elsevier Saunders
4. Knoop, K. J. (2016). The atlas of emergency medicine
5. American College of Emergency Physicians. Annals of emergency medicine. New York: Elsevier Science
6. Emergency medicine clinics of North America
7. 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

Physicians Category

Physicians

Endocrinology

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **END5492**

Fee: **USD280**

Pass Score: **65%**

Exam Coverage:

- Diabetes Mellitus
- Obesity
- Dyslipidemia
- Thyroid Disorders
- Hypothalamus and Pituitary Disorders
- Professionalism and Ethics
- Adrenal Disorders
- Parathyroid / Metabolic Bone Diseases
- Reproductive Endocrinology
- Peds Endocrinology
- Patient Safety

References

1. Wass, J. A. H., & Stewart, P. M. (2011). Oxford textbook of endocrinology and diabetes. Oxford: Oxford University Press.
3. In Melmed, S., In Polonsky, K. S., In Larsen, P. R., & In Kronenberg, H. (2016). Williams textbook of endocrinology.
4. Gardner, D. (2017). Greenspan's Basic and Clinical Endocrinology, Tenth Edition. McGraw-Hill Education.
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.
6. Essentials of Patient Safety, SCHS, Latest Edition.

Physicians

Family Medicine

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **FAM5871**

Fee: **USD280**

Pass Score: **60%**

Exam Coverage:

- Family Medicine
- Internal Medicine
- Pediatric
- Obstetrics and Gynecology
- General Surgery
- Psychiatry
- Emergency Medicine (Adult and Pediatric)
- Dermatology
- Obstetrics and Gynecology
- Orthopedic and Musculoskeletal
- Ophthalmology
- Otolaryngology
- Radiology

References

1. TextBook of Family Medicine by Robert E. Rakel, MD
2. CURRENT Diagnosis and Treatment in Family Medicine
3. Family Medicine: Principles and Practice, by Robert B. Taylor
4. McWhinney's Textbook of Family Medicine
5. The Color Atlas and Synopsis of Family Medicine

Physicians

Forensic Medicine

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **FRM5161**

Fee: **USD280**

Pass Score: **65%**

Exam Coverage:

- Forensic Thanatology
- Identification
- Sudden Unexpected Death
- Mechanical and Physical Injuries
- Asphyxia
- Injuries Due to Physical Agents
- Infanticide and Death Associated with Pregnancy
- Forensic Toxicology and Sciences
- Professionalism and Ethics
- Burns
- Electrocution
- Infanticide
- Sexual offences
- Serology
- Forensic autopsy
- Child abuse, Road traffic accident
- Forensic anatomy, Forensic radiology

References

1. Forensic Pathology by Vincent J. Di Maio and Dominick J. Di Maio CRC Press USA, Latest Edition.
2. Knights Forensic Pathology Pekka Saukko and Bernard Knight CRC Press USA, Latest Edition.
3. Principles of Clinical Toxicology Thomas A. Gossel and J Douglas Bricker Raven Press USA, Latest Edition.

Physicians

Gastroenterology

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **GES5171**

Fee: **USD280**

Pass Score: **65%**

Exam Coverage:

- Gastroenterology Nutrition Motility
- Disorders Gastrointestinal Malignancies Inflammatory Bowel Diseases, Small and
- Large Intestine Gastrointestinal Bleeding Oesophageal and Gastric Diseases
- Liver and Liver Related Conditions and Diseases
- Miscellaneous
- Pancreaticobiliary Diseases
- Patient safety
- Professionalism and Ethics

References

1. Sleisenger and Fordtran's Gastrointestinal and Liver Disease- 2 Volume Set: Pathophysiology, Diagnosis, Management)) by Mark Feldman, Lawrence S. Friedman MD, and Lawrence J. Brandt MD (Hardcover - May 3, 2010)
2. Mayo Clinic Gastroenterology and Hepatology Board Review, Up to date Edition by Stephen C. Hauser, Darrell S. Pardi, and John J. Poteruch
3. Practical Gastrointestinal Endoscopy: The Fundamentals by Peter B. Cotton, Christopher B. Williams, Robert H. Hawes, and Brian P. Saunders (Hardcover - Jun 30, 2008)
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.
5. Essentials of Patient Safety, SCHS, Latest Edition.

Physicians

General Practice

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **GES5171**

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

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.
5. 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.
6. Alan H. DeCherney, Lauren Nathan, T. Murphy Goodwin, Neri Laufer and Ashley S. Roman, Current Diagnosis and Treatment Obstetrics and Gynecology, 11th Edition.
7. Louise Kenny, Helen Bickerstaff and Jenny Myers, . Gynaecology by Ten Teachers, 20th Edition Value Pak.
8. Jeremy J N Oats, MBBS, DM, FRCOG, FRANZCOG and Suzanne Abraham, MSc, PhD(Med), MAPS, . Llewellyn-Jones Fundamentals of Obstetrics and Gynaecology Edition.
9. Daniel Bernstein , Steven P. Shelov MD, MS. Pediatrics for Medical Students.
10. Karen Marc Dante MD , Robert M. Kliegman MD . Nelson Essentials of Pediatrics, 7th Edition.

Physicians Category

Physicians

General Surgery

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **GES5171**

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
- Hepato-biliary
- Hernia (all)
- Perioperative Care
- Trauma and Critical Care
- Colorectal and Perianal
- Pancreas and Spleen
- Patient safety

References

1. Sabiston Textbook of Surgery, latest Edition.
2. Chwartz Textbook of Surgery, latest Edition.
3. Current Surgical Therapy by John L. Cameron, latest Edition.
4. Bailey and Love`s Short Practice of Surgery, latest Edition.
5. Rush Surgical Review, latest Edition.
6. Professionalism and Ethics, Handbook for Residents, Practical guide, Prof. James Ware, Latest Edition.
7. Essentials of Patient Safety, SCHS, Latest Edition.

Physicians

Hematopathology

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **HEM4711**

Fee: **USD280**

Pass Score: **60%**

Exam Coverage:

- Red Cell Disorders
- Benign White Cell Disorders
- Bone Marrow Failure Syndromes
- Bleeding Disorders
- Thrombophilia
- Myeloproliferative Disorders
- Acute Leukemia and Myelodysplastic Syndromes
- Lymphoproliferative Disorders (including plasma cell dyscrasias)
- Transfusion Medicine
- Patient Safety
- Bone Marrow Transplant and its Complications
- Hematologic Emergencies and Complications
- Professionalism and Ethics

References

1. Hoffbrand, A., Moss, P., & Pettit, J. (Latest Edition). Essential haematology. Malden, Mass.: Wiley-Blackwell.
2. Hoffbrand, A., Higgs, D., Keeling, D., & Mehta, A. (Latest Edition). Postgraduate haematology.
3. Kaushansky, K. & Lichtman, M. (Latest Edition). Williams hematology.
4. Greer, J., & Arber, D. (Latest Edition). Wintrobe's clinical hematology.
5. Wingard, J., & Gastineau, D. (Latest Edition). Hematopoietic stem cell transplantation: A Handbook for Clinicians.
6. Ware, J., Kaabba, A., MA Hussein, G., & Hasan Kasule, O. (Latest Edition). Professionalism and Ethics Handbook for Residents.
7. SCHS. (Latest Edition). Essentials of Patient Safety

Physicians

Internal Medicine

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **INT5921**

Fee: **USD280**

Pass Score: **60%**

Exam Coverage:

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

References

1. Harrison's Principles of Internal Medicine, 17th Edition, 2008, Fauci et al, McGraw-Hill.
2. Differential Diagnosis in Internal Medicine: From Symptom to Diagnosis, 2007, Siegenthaler, Thieme Medical Publishers.
3. Cecil Review of General Internal Medicine, 8th Edition, 2004, Cooper and Pappas, Saunders/Elsevier.
4. Davidson's Principles and Practices of Medicine, 20th Edition, 2008, Churchill Livingstone.
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.
6. Essentials of Patient Safety, SCHS, Latest Edition.

Physicians

Medical Microbiology

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **MIC5251**

Fee: **USD280**

Pass Score: **65%**

Exam Coverage:

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

References

1. American Society for Microbiology. <https://www.asm.org>
2. Bennett, J. E., Dolin, R., Blaser, M. J., Mandell, G. L., & Douglas, R. G. (2015). Mandell, Douglas, and Bennetts principles and practice of infectious diseases (8th ed., Vol. 2). Philadelphia: Elsevier/Saunders.
3. Emaleu, S. B. (2017). Infection Prevention and Control: Practical Guide for Healthcare Facilities.
4. Murray, P. R., Rosenthal, K. S., & Pfaller, M. A. (2016). Medical microbiology (8th ed.). Philadelphia, PA: Elsevier.
5. Murray, P. R. (2015). Manual of clinical microbiology (11th ed.). Washington, D.C.: ASM Press.
6. Persing, D. H., Tenover, F. C., Hayden, R. T., M. I., Miller, M. B., Nolte, F. S., Belkum, A. V. (Eds.). (2016). Molecular microbiology: Diagnostic principles and practice (3rd ed.). Washington, DC: ASM Press.

Physicians Nephrology

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **NEP5991**

Fee: **USD280**

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

1. Floege J, Johnson R, Feehally J. Comprehensive Clinical Nephrology. Philadelphia, PA: Saunders/Elsevier (Latest Edition).
2. Brenner B, Rector F. Brenner and Rector's the kidney. Philadelphia: Saunders (Latest Edition).
3. Daugirdas J, Blake P, Ing T. Handbook of Dialysis. Philadelphia: Lippincott Williams and Wilkins (Latest Edition).
4. Danovitch G. Handbook of Kidney Transplantation. Philadelphia: Lippincott Williams and Wilkins (Latest Edition).
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.
6. Essentials of Patient Safety, SCHS, Latest Edition.

Physicians Neurology

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **NRO5011**

Fee: **USD280**

Pass Score: **65%**

Exam Coverage:

- Cerebrovascular Disorders
- Epilepsy and Paroxysmal Disorders
- Cognitive Disorders
- Movement Disorders
- Neuro-Immunological Disorders
- Neuro-Infectious Disorders
- Neuromuscular Disorders
- Cephalgia and Headache Disorders
- Neurology of Systemic Diseases
- Clinical Neurophysiology
- Patient Safety
- Professionalism and Ethics

References

1. Medlink, Neurology online reference.
2. Bradley's Neurology in Clinical Practice.
3. Continuum: Lifelong Learning in Neurology, American Academy of Neurology (AAN)
4. Localization in Clinical Neurology Sixth Edition, by Paul W. Brazis, MD, Joseph C.
5. Masdeu, MD, PhD, and Joes Biller, MD, FACP, FAAN, FAHA Essentials of Patient Safety, SCHS, Latest Edition
6. Professionalism and Ethics, Handbook for Residents, Practical guide, Prof. JamesWare, Dr. Abdulaziz Fahad Alkaabba, Dr. Ghaith MA Hussein, Prof. Omar Hasan Kasule, SCFHS, Latest Edition.

Physicians Neurosurgery

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **NEU5311**

Fee: **USD280**

Pass Score: **70%**

Exam Coverage:

- Neurovascular
- Neuro-oncology
- Neurotrauma
- Pediatric Neurosurgery
- Spine
- Functional Neurosurgery
- Peripheral Nerves Surgery
- General Neurosurgical Principles
- Neuroanatomy & Neurophysiology
- Neuropathology/Neuroradiology & Neurology
- Patient Safety
- Professionalism and Ethics

References

1. Youman's Neurological Surgery latest edition. Seventh Edition
2. Schmidek and Sweet: Operative Neurosurgical Techniques: 6th Edition
3. Handbook of Neurosurgery by Mark Greenberg: 8th Edition
4. Neuropathology: A Reference Text of CNS Pathology: by David Ellison and Seth.3rd Edition
5. Barr's The Human Nervous System by John Kiernan: 10th Edition
6. WHO Classification of Tumors of the Central Nervous System. The International Agency for Research on Cancer. Latest edition. 2016
7. Rhoton's Cranial Anatomy and Surgical Approaches by Albert Rhoton. One Edition
8. 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.
9. Essentials of Patient Safety, SCHS, Latest Edition

Physicians Category

Physicians

Obstetrics & Gynecology

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **OBG5891**

Fee: **USD280**

Pass Score: **60%**

Exam Coverage:

- General obstetrics
- General Gynecology
- Maternal Fetal Medicine
- Gynecology Oncology
- Gynecology Oncology
- Professionalism and Ethics
- Urogynecology and Pelvic Floor Disorders
- Reproductive Endocrinology and Infertility
- Perioperative Management
- Patient Safety

References

1. Williams Obstetrics, 23rd Edition, 2009, Cunningham et al, Appleton & Lange.
2. Clinical Gynecological Endocrinology & Infertility, 7th Edition, 2004, Leon Speroff, Lippincott.
3. Perek and Novak Gynecology, 14th edition, 2006, Jonathan Perek, Lippincott.
4. Comprehensive Gynecology, 5th Edition, 2007, Vern Katz et al, Mosby.
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.
6. Essentials of Patient Safety, SCHS, Latest Edition.

Physicians Ophthalmology

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **OPH5841**

Fee: **USD280**

Pass Score: **65%**

Exam Coverage:

- Anterior Segment
- Glaucoma
- Retina
- Uveitis
- Pediatric Ophthalmology
- Oculoplastic
- Neuro-Ophthalmology
- Comprehensive (Optics/Pathology)
- Patient Safety
- Professionalism and Ethics

References

1. Basic and Clinical Science Course (BCSC) Residency Print Set, by American Academy of Ophthalmology, Latest Edition.
2. Kanski's Clinical Ophthalmology: A Systematic Approach by Brad Bowling, Latest Edition.
3. Ophthalmology: Expert Consult: Yanoff MD, Myron; Duker MD, Jay S., Latest Edition.
4. Duane's Clinical Ophthalmology by William Tasman, Edward A. Jaeger, Latest Edition.
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.
6. Essentials of Patient Safety, SCHS, Latest Edition.

Physicians

Orthopedic Surgery

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **ORT5971**

Fee: **USD280**

Pass Score: **65%**

Exam Coverage:

- Basic and Principles of Orthopedics
- Infections
- Trauma, Spine
- Pediatric Orthopedics
- Orthopedic Sport Medicine
- Metabolic Skeletal Disorders
- Reconstruction
- Upper Limb
- Foot and Ankle
- Oncology
- Patient Safety
- Professionalism and Ethics

References

1. Surgical Exposures in Orthopedics, Stanley Hoppenfeld, Piet DeBoer, Richard Buckley, Latest Edition, Wolters kluwer, Lippincott Williams and Wilkins.
2. Apley's System of Orthopedics and Fractures, Louis Solomon, David Jwarwick, Selvadurai Nayagam, Latest Edition, Arnold.
3. Review of Orthopedics, Mark Miller, Mark Brinker, Latest Edition, W.B. Saunders Company.
4. Rockwood and Greens Fractures in Adults and in Children, Robert W Bucholz, James D Heckman, Charles M Court-Brown and Paul Tornetta, Latest Edition, Lippincott Company.
5. Campbell's Operative Orthopedics, S. Terry Canale and James H, Beaty, Latest Edition, Mosby.
6. Orthopedic Knowledge Update (OKU).

Physicians

Otolaryngology

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **ENT5721**

Fee: **USD280**

Pass Score: **60%**

Exam Coverage:

- General Otology & Otoneurology
- Pediatric ENT
- Audiology & Speech
- Rhinology & Skull Base
- Head & Neck
- Emergency
- Facio Plastic / Reconstruction
- Laryngology
- Professionalism & Ethics
- Patient Safety

References

1. Otolaryngology Head and Neck Surgery, Charles W. Cummings, Latest Edition.
2. Scott-Brown's Otolaryngology, Latest Edition.
3. Essential Otolaryngology Head and Neck Surgery K.J.Lee, Latest Edition.
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.
5. Essentials of Patient Safety, SCHS, Latest Edition.
6. Bailey's Head and Neck Surgery: Otolaryngology (2 volume set).

Physicians Pediatrics

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **PED5391**

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
- Respiratory
- Cardiovascular
- Hematology/ Oncology
- Neurology
- Renal /Musculoskeletal
- Professionalism and Ethics
- Patient Safety

References

1. Nelson's Textbook of Pediatrics, Kliegman et al., Saunders/Elsevier (Latest Edition)
2. Rudolph's Fundamentals of Pediatrics, Rudolph et al., McGraw-Hill (Latest Edition)
3. Principles and Practice of Pediatrics. , Oski et al Lippincot (Latest Edition)
4. WHO Health Programs, World Health Organization Website
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.
6. Essentials of Patient Safety, SCHS, Latest Edition.

Physicians

Pediatric Surgery

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **PED5492**

Fee: **USD280**

Pass Score: **65%**

Exam Coverage:

- Principles of Surgery
- General Pediatric Surgery
- Specific Areas of Pediatric Surgery
- Head & Neck
- Genitourinary
- Thoracic Surgery
- Neonatal Surgery
- Trauma
- Oncology
- Patient Safety
- Professionalism and Ethics

References

1. Pediatric Surgery by Grosfeld et., Latest Edition.
2. Ashcraft Paediatric Surgery, Latest Edition.
3. Prem Puri Pediatric Surgery Latest Edition.
4. Fundamentals of Pediatric Surgery by Peter Matter, Latest Edition.
5. Operative Pediatric Surgery, Lewis Spitz, Latest Edition.
6. Principles of Pediatric Surgery by James A O'niell, Latest Edition.
7. Professionalism & Ethics, Handbook for Residents, Practical guide, Prof. James Ware, Dr. Abdulaziz Fahad Alkaabba, Dr. Ghaiath MA Hussein, Prof. Omar Hasan Kasule, SCFHS, Latest Edition.
8. Essentials of Patient Safety, SCHS, Latest Edition.

Physicians

Physical Medicine & Rehabilitation

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **PHY5261**

Fee: **USD280**

Pass Score: **65%**

Exam Coverage:

- Spinal Cord Injury
- Stroke
- Traumatic Brain Injury
- Musculoskeletal, Sport and Chronic Pain Rehab
- Amputation, Prosthetics and Orthotics
- Pediatric Rehab
- Rheumatology Rehab
- Orthopedics Rehab
- Neurorehab
- Cardiac/ Pulmonary Rehab
- Burns and Oncology Rehab
- Geriatric Rehab
- Patient Safety
- Professionalism and Ethics

References

1. Braddom's Physical Medicine and Rehabilitation by David X. Cifu, Latest Edition.
2. DeLisa's Physical Medicine and Rehabilitation: Principles and Practice by Prof. Walter R. Frontera, Latest Edition.
3. Brain Injury Medicine: Principles and Practice by Nathan Zasler, Douglas Katz and Ross Zafonte, Latest Edition.
4. Spinal Cord Medicine: Principles and Practice, edited by Vernon W. Lin, Diana D. Cardenas, Nancy C. Cutter, Frederick S. Frost, Margaret C. Hammond, Laurie B. Lindblom, Inder Perakash, Robert Waters, and Robert M. Woolsey, Latest Edition.
5. Understanding Patient Safety, Robert Wachter and Kiran Gupta, Latest Edition.
6. Essentials of Patient Safety, SCHS, Latest Edition.
7. Physical medicine and rehabilitation board Review by Sara J. Cuccurullo, latest edition.

Physicians

Plastic Surgery

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **PED5492**

Fee: **USD280**

Pass Score: **65%**

Exam Coverage:

- Wound Repair and Integument
- Anesthesia, Critical Care, Transplant and Immunology
- Burn
- Head, Neck and Craniomaxillofacial
- Upper Extremity
- Lower Extremity
- Genitourinary System and Trunk
- Breast Disease
- Patient Safety
- Professionalism and Ethics

References

1. Plastic Surgery by Stephen J. Mathes and Vincent Rod Hentz, Latest Edition
2. Green's Operative Hand Surgery, Latest Edition
3. Plastic Surgery by Peter C Neligan, Latest Edition
4. Selected readings in plastic surgery, Latest Edition
5. Essentials of Patient Safety, SCHS, Latest Edition
6. 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.

Physicians Psychiatry

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **PSY5961**

Fee: **USD280**

Pass Score: **65%**

Exam Coverage:

- Child and Adolescent Psychiatry
- Public Psychiatry / Geriatric Psychiatry
- Emergency Psychiatry
- Anxiety Disorders / Obsessive Compulsive and Related Disorders / Trauma and Stress Related Disorders
- Depressive Disorders / Bipolar and Related Disorders
- Schizophrenia Spectrum and Other Psychotic Disorders
- Substance-Related and Addictive Disorders
- Personality Disorders
- Psychosomatic Medicine (Consultation- Liaison Psychiatry) / Somatic Symptom and Related Disorders
- Psychotherapy / Psychosocial Interventions
- Basic Psychopharmacology / Physical Therapy (ECT and others)
- Forensic Psychiatry
- Patient Safety & Professionalism and Ethics

References

1. Kaplan and Sadock's Comprehensive Textbook of Psychiatry, Latest Edition.
2. New Oxford Textbook of Psychiatry Edited by Michael Gelder, Nancy Andreasen, Juan Lopez-Ibor, and John Geddes, Latest Edition
3. Essentials of Patient Safety, SCHS, Latest Edition
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

Physicians

Public Health Medicine

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **COM5551**

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

1. Last JM (Ed): A Dictionary of Epidemiology, 4th Edn. New York: Oxford University Press, 2000 [French, Chinese, Japanese, Farsi, Serbian, Russian, Slovakian translations published 2001-6] .
2. Pencheon D, Guest C, Melzer D, Muir Gray JA, editors. Oxford Handbook of Public Health. Practice. First Edition, reprinted 2003. Oxford University Press, New York; 2003.
3. Park K. Park's Textbook of Preventive and Social Medicine. 18th ed. M/s Banarsidas Bhanot Publishers, India; 2005.

Physicians

Public Health & Preventive Medicine

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **SPH6022**

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

1. Last JM (Ed): A Dictionary of Epidemiology, 4th Edn. New York: Oxford University Press, 2000 [French, Chinese, Japanese, Farsi, Serbian, Russian, Slovakian translations published 2001-6] .
2. Pencheon D, Guest C, Melzer D, Muir Gray JA, editors. Oxford Handbook of Public Health. Practice. First Edition, reprinted 2003. Oxford University Press, New York; 2003.
3. Park K. Park's Textbook of Preventive and Social Medicine. 18th ed. M/s Banarsidas Bhanot Publishers, India; 2005.

Physicians

Pulmonary Diseases

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **PUL5081**

Fee: **USD280**

Pass Score: **60%**

Exam Coverage:

- Obstructive Lung Disease
- Interstitial and Inflammatory Lung Disease
- Occupational and Environmental Diseases
- Infections
- Neoplasms
- Pleural Diseases
- Sleep Medicine
- Congenital, Neuromuscular, and Skeletal Abnormalities
- Vascular Disorders
- Critical Care Medicine
- Patient Safety
- Professionalism and Ethics

References

1. Murray & Nadel's Textbook of Respiratory Medicine.
2. Fishman's Pulmonary Diseases and Disorders.
3. West, John. Pulmonary Pathophysiology: The Essentials.
4. Goodman. Felson's Principles of Chest Roentgenology.
5. W. Richard Webb. High-Resolution CT of the Lung.
6. Robert E. Hyatt. Interpretation of Pulmonary Function Tests.
7. ACCP Pulmonary Medicine Board Review.
8. 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.

Physicians Radiology

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **RAD5981**

Fee: **USD280**

Pass Score: **65%**

Exam Coverage:

- Body Imaging
- Neuro Imaging
- Head and Neck Imaging
- Musculoskeletal Imaging
- Chest Imaging
- Cardiovascular Imaging
- Pediatrics Imaging
- Women Imaging
- Ethics and Research
- Patient Safety
- Contrast, Physics and Radiation Safety

References

1. W. Richard Webb, 2010. Thoracic Imaging: Pulmonary and Cardiovascular Radiology
2. W. Richard Webb and Nestor L. Muller, 2014. High-Resolution CT of the Lung.
3. Elsevier, 2016. Neuroradiology: The Requisites
4. Elsevier, 2015. Diagnostic Imaging: Brain
5. John R. Haaga, MD FACR FSIR FSCBT FSRS and Daniel Boll MD FSCBT, 2016. CT and MRI of the Whole Body, 2-Volume Set, 6th Edition
6. Richard C. Semelka and Michele A. Brown, 2016. Abdominal-Pelvic MRI, 4th Edition
7. Michele Walters and Richard L. Robertson, 2016. Pediatric Radiology: The Requisites, (Requisites in Radiology), 4th Edition
8. Clyde A. Helms, Mark W. Anderson, Nancy M. Major, and Phoebe Kaplan, 2001. Musculoskeletal MRI, 2nd Edition
9. Donald Resnick and Mark Kransdorf, 2004. Bone and Joint Imaging, 3rd Edition
10. Peter M. Som, and Hugh D. Curtin, 2011. Head and Neck Imaging - 2 Volume Set: Expert Consult- Online and Print, 5th Edition
11. Essential Physics of Medical Imaging, by Jerrold Bushberg. 3rd Edition. ISBN: 9780781780575

Physicians Rheumatology

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **RHU5501**

Fee: **USD280**

Pass Score: **65%**

Exam Coverage:

- Regional Pain Syndromes
- Cartilage, and Bone Diseases
- Rheumatoid Arthritis
- Seronegative Spondyloarthropathies
- Crystal Induced Arthropathies
- Infectious and Related Arthritis
- Systemic Lupus Erythematosus and Antiphospholipid Syndrome
- Other Rheumatic and Connective Tissue Diseases
- Vasculitis
- Patient Safety
- Professionalism and Ethics

References

1. Klippel, John H. Primer on the Rheumatic Diseases. New York, NY: Springer, Latest Edition.
2. Weisman, Michael H., Michael E. Weinblatt, & James S. Louie. Treatment of Rheumatic Diseases: Companion to Kelley's Textbook of Rheumatology. Philadelphia: W.B. Saunders, Latest Edition.
3. Bijlsma, J. W. J. EULAR Textbook on Rheumatic Diseases. London: BMJ / EULAR, Latest Edition
4. Essentials of Patient Safety, SCHS, Latest Edition.
5. Rheumatology secrets, Sterling G. West, MD, Third edition.

Physicians

Sports Medicine

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **SPM5792**

Fee: **USD280**

Pass Score: **55%**

Exam Coverage:

- Applied Anatomy
- Exercise Physiology
- Kinesiology
- Electrotherapy
- Advanced Sports Injury Assessment
- Treatment for Sports Injuries
- Medical Taping Techniques
- Nutrition and Sports Performance
- Sports Psychology

References

1. Ackland, Elliot, Bloomfield. Applied Anatomy and Biomechanics in Sports; Human Kinetics
2. Wilmore, Costill, Kenny. Physiology of Sport and Exercise; Human Kinetics
3. Carol Oatis. Kinesiology: The Mechanics and Pathomechanics of Human Movement; Lippincott Williams and Wilkins
4. Manore, Meyer, Thompson. Sport Nutrition for Health and Performance; Human Kinetics
5. David Reid. Sports Injury Assessment and Rehabilitation; W.B. Saunders Company
6. Robertson, Ward, Low, Reed. Electrotherapy Explained: Principles and Practice; Butterworth-Heinemann
7. Cox. Sport Psychology: Concepts and Applications; McGraw-Hill
8. Macdonald. Taping Techniques: Principles and Practice; Butterworth-Heinemann
9. Buschbacher, Prahlow, Dave. Sports Medicine and Rehabilitation: A Sports Specific Approach; Lippincott Williams and Wilkins

Physicians Urology

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **URO5931**

Fee: **USD280**

Pass Score: **60%**

Exam Coverage:

- Basics of Urologic surgery
- Infections / Inflammation
- Reproductive / Sexual health
- Trauma / Neurorology
- Urolithiasis / Obstruction
- Renal failure
- Adrenal / Neoplasm
- Prostate
- Pediatric Urology
- Patient Safety
- Professionalism and Ethics

References

1. Atlas of Urologic Surgery
2. Campell - Walsh UROLOGY
3. Essentials of Patient Safety, SCHS, Latest Edition.
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

Physicians

Vascular Surgery

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **VAS5291**

Fee: **USD280**

Pass Score: **65%**

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

1. Rutherford's Vascular Surgery, 6th Edition.
2. Current Therapy in Vascular Surgery, 4th Edition.
3. Chaikof EL, et al. The Society for Vascular Surgery practice guidelines on the care of patients with an abdominal aortic aneurysm. J Vasc Surg. 2018
4. Nienaber CA, et al. INSTEAD-XL trial. Endovascular repair of type B aortic dissection: long-term results of the randomized investigation of stent grafts in aortic dissection trial. Circ Cardiovasc Interv. 2013 Aug;6(4):407-16.
5. O'Donnell TF, et al. Management of venous leg ulcers: clinical practice guidelines of the Society for Vascular Surgery ® and the American Venous Forum. J Vasc Surg. 2014 Aug;60(2 Suppl):3S-59S.
6. Cerneviciute R, et al. Regional versus local anaesthesia for haemodialysis arteriovenous fistula formation: a systematic review and meta-analysis. Eur J Vasc Endovasc Surg. 2017 May;53(5):734-742.

Dentists

Endodontics

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **END5021**

Fee: **USD280**

Pass Score: **60%**

Exam Coverage:

- Diagnosis, Outcome and Treatment Planning
- Endodontic Pain and Emergencies
- Surgical Endodontics
- Dental Traumatic Injuries
- Endodontic Pharmacology
- Regenerative Endodontics and Vital Pulp Therapy
- Endodontic Relation with Other Specialties
- Endodontic Mishaps
- Classic and Current Literature
- Medically Compromised Patients
- Patient Safety
- Professionalism and Ethics

References

1. Seltzer and Bender's Dental Pulp, Edited by K.M. Hargreaves, H.E. Goodis and F.R. Tay. Quintessence Publishing, Latest Edition.
2. Gutmann J L, Harrison J W. Surgical Endodontics. St Louis: Ishiyaku EuroAmerica, Latest Edition.
3. Little J, Falace D, Miller C, Rhodus N. Dental Management of the Medically Compromised Patient. Mosby Elsevier, Latest Edition.
4. Ingle, J. I. and Backland, L. K. Endodontics. Baltimore, Williams and Wilkins, Latest Edition.
5. Hargreaves, K.M., Cohen S, Berman L.H., Cohen's Pathways of the Pulp. Mosby Inc., Latest Edition.
6. 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
7. Essentials of Patient Safety, SCHS, Latest Edition.

Dentists

General Dentistry

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **GEN5301**

Fee: **USD280**

Pass Score: **60%**

Exam Coverage:

- Anesthesia and Pain Management
- Oral Medicine/ Oral Surgery
- Periodontics
- Temporomandibular Joint
- Endodontics
- Implant Surgery
- Restorative Dentistry
- Orthodontics/Pediatric Dentistry
- Cosmetic
- Deformities and Orthognathic Surgery
- Patient Education
- Ethics

References

1. Brad W. Neville, Douglas D. Damm, Carl M. Allen and Angela C. Chi, . Oral and Maxillofacial Pathology, 4th ed.
2. Niklaus P. Lang, Jan Lindhe., Clinical Periodontology and Implant Dentistry, 6th ed.
3. Jeffrey A. Dean,. McDonald and Avery's Dentistry for the Child and Adolescent, 10th ed.
4. Teodora Robertson, .Sturdevant's Art and Science of Operative Dentistry, 5th ed.
5. Medical Emergencies in the Dental Office, Malamed, Latest Edition, Mosby.
6. Stephen Cohen and Kenneth Hargreaves / Mosby, . Pathways of the Pulp, 11th ed.
7. Oral and Maxillofacial Trauma, Foneseca el al, Latest Edition, Elsevier Canada.
8. Stanley F. Malamed PUBLISHER Elsevier Health Sciences, . Handbook of Local Anesthesia 6th edition.

Dentists

Implantology

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **IMP4411**

Fee: **USD280**

Pass Score: **65%**

Exam Coverage:

- Dental Implant Rational, Types and Design
- Medical Examination
- Periodontal Consideration in Implant Therapy
- Dental, Radiographic & Photographic Records
- Hard Tissue Reconstruction
- Diagnosis & 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
- Complications

References

1. Contemporary Implant Dentistry by Carl Misch, Latest Edition.
2. Clinical Periodontology and Implant Dentistry by Nicklaus Lang and Jan Lindhe, Latest Edition.
3. Immediate Loading by Tiziano Testori, Latest Edition.
4. Dental Implant Complications by Stuart Froum, Latest Edition.

Dentists

Oral Surgery

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **ORS5941**

Fee: **USD280**

Pass Score: **60%**

Exam Coverage:

- Anesthesia and Pain Management
- Maxillofacial Trauma
- Dentoalveolar, Preprosthetic & Implant Surgery
- Craniofacial Surgery/ Cleft Lip & Palate
- Implant Surgery
- Maxillofacial Infections
- Medicine/ Medically Compromised Patients Deformities & Orthognathic Surgery
- Maxillofacial Pathology
- Patient Safety
- Professionalism & Ethics

References

1. Contemporary Oral and Maxillofacial Surgery, Hupp, Ellis, and Tucker, Latest Edition, Mosby.
2. Handbook of Local Anesthesia, Malamed, Latest Edition, Mosby.
3. Harrison's Principles of Internal Medicine, Fauci et al, Latest Edition, McGraw-Hill.
4. Maxillofacial Surgery, Vol. 2, Ward-Booth, Schendel, Hausamen, Latest Edition, Elsevier.
5. Medical Emergencies in the Dental Office, Malamed, Latest Edition, Mosby.
6. Oral and Maxillofacial Surgery, Fonseca, Marciani, and Turvey, Latest Edition, WB Saunders.
7. Oral and Maxillofacial Trauma, Foneseca el al, Latest Edition, Elsevier Canada.
8. Oral and Maxillofacial Trauma, in 2 Volumes, Foneseca el al, Latest Edition, Saunders.
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

Dentists

Oral and Maxillofacial Surgery

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **OMS5351**

Fee: **USD280**

Pass Score: **60%**

Exam Coverage:

- Anesthesia and Pain Management
- Maxillofacial Trauma
- Temporomandibular Joint
- Craniofacial Surgery/ Cleft Lip and Palate
- Dentoalveolar Surgery
- Implant Surgery
- Patient Safety
- Professionalism and Ethics
- Reconstruction and Cosmetic Surgery
- Medicine/ Medically Compromised Patients
- Maxillofacial Infections
- Deformities and Orthognathic Surgery

References

1. Contemporary Oral and Maxillofacial Surgery, Hupp, Ellis, and Tucker, Latest Edition, Mosby.
2. Handbook of Local Anesthesia, Malamed, Latest Edition, Mosby.
3. Harrison's Principles of Internal Medicine, Fauci et al, Latest Edition, McGraw-Hill.
4. Maxillofacial Surgery, Vol. 2, Ward-Booth, Schendel, Hausamen, Latest Edition, Elsevier.
5. Medical Emergencies in the Dental Office, Malamed, Latest Edition, Mosby.
6. Oral and Maxillofacial Surgery, Fonseca, Marciani, and Turvey, Latest Edition, WB Saunders.
7. Oral and Maxillofacial Trauma, Foneseca el al, Latest Edition, Elsevier Canada.
8. Oral and Maxillofacial Trauma, in 2 Volumes, Foneseca el al, Latest Edition, Saunders.
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.

Dentists

Orthodontics

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **ORD5211**

Fee: **USD280**

Pass Score: **60%**

Exam Coverage:

- Growth and Development
- Etiology of Malocclusion
- Cephalometric Analysis
- Biomechanics and Biology of Tooth Movement
- Interceptive Orthodontic Treatment
- Comprehensive Treatment in Pres-adolescents and Adolescents
- Adult and Adjunctive Orthodontics
- Patient Safety
- Professionalism and Ethics
- Reconstruction and Cosmetic Surgery
- Medicine/ Medically Compromised Patients
- Maxillofacial Infections
- Deformities and Orthognathic Surgery
- Craniofacial Deformities
- Special Considerations in Orthodontics

References

- 1- Contemporary Orthodontics; William Proffit, Henry Fields, David Sarver. Publisher: Elsevier, St. Louis, USA, Latest Edition.
- 2- Orthodontics, Current Principles and Techniques; Lee Graber, Robert Vanarsdall, Katherine Vig. Publisher: Elsevier, St. Louis, USA, Latest Edition.
- 3- 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.
- 4- Essentials of Patient Safety, SCHS, Latest Edition.
- 5- Understanding Patient Safety, Robert Wachter and Kiran Gupta, Latest Edition.

Dentists

Pediatric Dentistry

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **PED5911**

Fee: **USD280**

Pass Score: **60%**

Exam Coverage:

- Dental Development & Anomalies
- Prevention and Anticipatory Guidance
- Local Anesthesia & Sedation
- Non-pharmacological Behavior Management
- Pharmacological Behavior Management
- Restorative Dentistry & Dental Material
- Special Care for Special Patients
- Pulp Therapy
- Orofacial Trauma
- Oral Pathology / Medicine
- Orthodontics and Space Management Habits
- Professionalism & Ethics

References

1. The Hand Book of Pediatric Dentistry, Third edition, Arthur Nowak and Paul Casamassimo.
2. Pinkham. Casamassimo. Field. McTigue. Nowak , Pediatric Dentistry Infancy through Adolescence, Fourth Edition.
3. McDonald. Avery. Dean, Dentistry for the Child and Adolescent, Eighth Edition.
4. Richerd Welbury, Pediatric Dentistry, Second Edition .
5. The Reference Manual of the American Academy of Pediatric Dentistry 2007-2008.
6. Essentials of Patient Safety, SCHS, Latest Edition.

Dentists

Periodontics

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **PER5131**

Fee: **USD280**

Pass Score: **60%**

Exam Coverage:

- Periodontal Structures
- Etiology, 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
2. Journal of Clinical Periodontology. Willy-Blackwell Publishing. Issues of years 2017, 2018 & 2019
3. Periodontology 2000. Willy-Blackwell Publishing. Issues of years 2017, 2018 & 2019
4. Journal of Periodontology. Official publication of the American Academy of Periodontology. Issues of year 2017, 2018 & 2019
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
6. Essentials of Patient Safety, SCHS, Latest Edition.

Dentists

Prosthodontics

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **PRO5051**

Fee: **USD280**

Pass Score: **60%**

Exam Coverage:

- Fixed Partial Dentures (FPD)
- Removable Partial Dentures
- Occlusion & Aesthetic
- Complete Denture Prosthodontics Considerations
- Removable Complete Dentures (CD)
- Endodontically Treated Teeth
- Maxillofacial Prosthodontics
- Implant Prosthodontics
- Dental Materials
- Professionalism & Ethics
- Patient safety

References

1. Clinical Aspects of Dental Materials, Marcia Gladwin, Michael Bagby, Lippincott Williams and Wilkins. Baltimore, Maryland, Latest Edition.
2. Contemporary Fixed Prosthodontics, S.F Rosenstiel, M.F. Land, J. Fujimoto Mosby, Latest Edition.
3. Failure in the Restored Dentition, Management and Treatment, M.D. Wise. Quintessence Publishing Co. Ltd. London, Latest Edition.
4. Fundamentals of Fixed Prosthodontics. H.T. Shillingburg, S. Hobo, LD.Whitsett, R. Jacobi, S.E Bracket. Quintessence Publishing, Chicago, Latest Edition.
5. Applied Occlusion. R. Wassel, A. Naru, J. Steele, F. Nohl. Quintessence Publishing London, Latest Edition.
6. Prosthodontic Treatment for Edentulous Patients. Complete Dentures and Implant-Supported Protheses. Zarb and Hobrik, Latest Edition.
7. McCracken's Removable Partial Prosthodontics, Alan B. Carr, David T. Brow, Latest Edition.
8. Misch C. Contemporary Implant Dentistry, Latest Edition
9. Essentials of Patient Safety, SCHS, Latest Edition.

Dentists

Restorative Dentistry

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **RES5221**

Fee: **USD280**

Pass Score: **60%**

Exam Coverage:

- Esthetic Considerations
- Basic Implantology
- Endodontically Treated Teeth
- Complete Removable Prosthodontics
- Dental Anatomy and Occlusion
- Fixed Prosthodontics
- Fixed Prosthodontics
- Removable Partial Prosthodontics
- Applied Dental Occlusion
- Ethics and Professionalism
- Infection Control and Patient safety

References

1. "Preservation and Restoration of Tooth Structure" 2nd Edition Graham J. Mount, W. R. Hume. To Knowledge Books and Software, Australia.
2. "Local Anesthesia in Dentistry" P. Robinson, T.R. Pitt Ford, F. McDonald, Buttermouth-Heinemann, 2000.
3. "Fundamentals of Operative Dentistry – A contemporary Approach" 3rd Edition, Edited by: J.B. Summitt, J.W. Robbins, T.J. Hilton, R.S. Schwartz. Quintessence Books, Q. Publishing Co. Inc.
4. "Essentials of Dental Radiography and Radiology" 4th Edition, Eric Whaites. Churchill Livingstone 2007.
5. "Clinical Aspects of Dental Materials" Marcia Gladwin, Michael Bagby, Lippincott Williams and Wilkins 2000. Baltimore, Maryland.
6. "Contemporary Fixed Prosthodontics" 3rd edition, S.F Rosenstiel, M.F. Land, J. Fujimoto Mosby, Inc. 2001.
7. "Failure in the Restored Dentition, Management and Treatment" M.D. Wise. Quintessence Publishing Co.Ltd. London, 1995.
8. "Fundamentals of Fixed Prosthodontics" 3rd Edition. H.T. Shillingburg, S. Hobo, LD.Whitsett, R. Jacobi, S.E Bracket. Quintessence Publishing, Chicago.
9. "Applied Occlusion" 2nd Edition. R. Wassel, A. Naru, J. Steele, F. Nohl. Quintessence Publishing London.
10. 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 Essentials of Patient Safety, SCHS, Latest Edition.

Nursing Registered Nurse

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **RNT0312**

Fee: **USD240**

Pass Score: **50%**

Exam Coverage:

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

References

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.
3. ANA Code of Ethics, Latest Edition.
4. Berman, A and Snyder, S. Kozier and Erb's Fundamentals of Nursing Concepts, Process and Practice, USA: Pearson International, Latest Edition.
5. Pamela Lynn and, Marilee LeBon, Skill Checklists for Taylor's Clinical Nursing Skills: A Nursing Process Approach, Philadelphia: Lippincott Williams and Wilkins, Latest Edition.
6. Jarvis, C. Physical Examination and Health Assessment, St. Louis, Missouri, Saunders Elsevier, Latest Edition.
7. Day, R. A., Paul, P., Williams, B., Smeltzer, S. C., and Bare, Brunner and Suddarth's Canadian textbook of Medical-Surgical Nursing, Philadelphia: Lippincott Williams and Wilkins Murray, S., McKinney, E. Foundation of Maternal- Newborn Nursing, Missouri: Saunders Elsevier, Latest Edition.
8. Wong, D.L., and Hockenberry, M.J, Wong's Nursing Care of Infants and Children, Philadelphia: Mosby, Latest Edition.
9. Sole, ML. Klein, DG. Moseley, MJ, Introduction to Critical Care Nursing, St. Louis, Saunders (Elsevier), Latest Edition.
10. Nursing Technician Blueprint
11. Townsend, C.M., Essentials of Psychiatric Mental Health Nursing, F. A. Davis Company, United States of America, Latest Edition.
12. Nursing Fundamentals-Allender, Judith A. and Rector, Cherie ,Community Health Nursing Promoting and Protecting The Public Health, Lippincott: New York, Latest Edition.

Nursing Assistant Nurse

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **ARN5061**

Fee: **USD240**

Pass Score: **45%**

Exam Coverage:

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

References

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.
3. ANA Code of Ethics, Latest Edition.
4. Berman, A and Snyder, S. Kozier and Erb's Fundamentals of Nursing Concepts, Process and Practice, USA: Pearson International, Latest Edition.
5. Pamela Lynn and, Marilee LeBon, Skill Checklists for Taylor's Clinical Nursing Skills: A Nursing Process Approach, Philadelphia: Lippincott Williams and Wilkins, Latest Edition.
6. Jarvis, C. Physical Examination and Health Assessment, St. Louis, Missouri, Saunders Elsevier, Latest Edition.
7. Day, R. A., Paul, P., Williams, B., Smeltzer, S. C., and Bare, Brunner and Suddarth's Canadian textbook of Medical-Surgical Nursing, Philadelphia: Lippincott Williams and Wilkins Murray, S., McKinney, E. Foundation of Maternal- Newborn Nursing, Missouri: Saunders Elsevier, Latest Edition.
8. Wong, D.L., and Hockenberry, M.J, Wong's Nursing Care of Infants and Children, Philadelphia: Mosby, Latest Edition.
9. Sole, ML. Klein, DG. Moseley, MJ, Introduction to Critical Care Nursing, St. Louis, Saunders (Elsevier), Latest Edition.
10. Nursing Technician Blueprint
11. Townsend, C.M., Essentials of Psychiatric Mental Health Nursing, F. A. Davis Company, United States of America, Latest Edition.
12. Nursing Fundamentals-Allender, Judith A. and Rector, Cherie ,Community Health Nursing Promoting and Protecting The Public Health, Lippincott: New York, Latest Edition

Nursing

Assistant Midwife

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **MID5101**

Fee: **USD240**

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

1. Fetal Heart Monitoring, Latest Edition.
2. AWHONN's Perinatal Nursing: Co-Published with AWHONN, Latest Edition.
3. Master the NCLEX-PN: Maternal/Newborn Nursing, Latest Edition.
4. Mayes' Midwifery: A Textbook for Midwives, Latest Edition.
5. Olds' Maternal-Newborn Nursing and Women's Health Across the Lifespan Plus New My Nursing Lab with Pearson e-text, Access Card Package, by Michele R. Davidson, Latest Edition.
6. NCLEX-RN® Maternal-Neonatal Nursing Made Incredibly Easy! (Incredibly Easy! Series) by Lippincott, Latest Edition

Nursing

Registered Midwife

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **MID5102**

Fee: **USD240**

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

1. Fetal Heart Monitoring, Latest Edition.
2. AWHONN's Perinatal Nursing: Co-Published with AWHONN, Latest Edition.
3. Master the NCLEX-PN: Maternal/Newborn Nursing, Latest Edition.
4. Mayes' Midwifery: A Textbook for Midwives, Latest Edition.
5. Olds' Maternal-Newborn Nursing and Women's Health Across the Lifespan Plus New My Nursing Lab with Pearson e-text, Access Card Package, by Michele R. Davidson, Latest Edition.
1. NCLEX-RN® Maternal-Neonatal Nursing Made Incredibly Easy! (Incredibly Easy! Series) by Lippincott, Latest Edition

Allied Health Aesthetician / Beauty Therapist

Duration: **2 Hrs.**

No. of Questions: **100**

Code: **BYT5862**

Fee: **USD180**

Pass Score: **65%**

Exam Coverage:

- Anatomy & Physiology
- Health & Safety
- Electro Therapy treatment face
- Micro-Needling
- Skin Care
- Chemical Peels Hydro facial
- Radio Frequency
- Professionalism and Ethics

References

1. NIC Infection Control and Safety Standards , Adopted 1998: Revised October 2002, Revised August 2014 ,National-Interstate Council of State Boards of Cosmetology.
2. Salon Fundamentals Esthetics – A Resource for Your Skin Care Career ,2007, 11th printing, 2nd Edition, August 2013, Pivot Point International, Inc.
3. Milady's Standard Esthetics: Fundamentals , 2013, 11th Edition , Joel Gerson, Janet D'Angelo, Sallie Deitz et al , Milady

Allied Health

Anesthesia Technician

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **ANA5701**

Fee: **USD240**

Pass Score: **55%**

Exam Coverage:

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

References

1. The Anesthesia Technicians and Technologists Manual by Glenn Woodworth, Latest Edition.
2. Clinical Anesthesiology by Morgan, Latest Edition.
3. Essentials of Anesthesia Equipment by Baha AlShaikh, Simon Stacey, Latest Edition.

Allied Health

Anesthesia Technologist

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **ANA5702**

Fee: **USD240**

Pass Score: **60%**

Exam Coverage:

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

References

1. The Anesthesia Technicians and Technologists Manual by Glenn Woodworth, Latest Edition.
2. Clinical Anesthesiology by Morgan, Latest Edition.
3. Essentials of Anesthesia Equipment by Baha AlShaikh, Simon Stacey, Latest Edition.

Allied Health Audiologist

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **AUD4312**

Fee: **USD240**

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

1. Hall III, J. W. Introduction to Audiology Today. Boston, MA, USA: Pearson, Latest Edition.
2. Katz, K., Medwestsky, L., Burkard, R., and Hood, L. Handbook of Clinical Audiology. Philadelphia, PA, USA: Lippincott Williams and Wilkins, Latest Edition.
3. Seewald, R., and Tharpe, A. M. Comprehensive Handbook of Pediatric Audiology. San Diego, CA, USA: Plural Publishing, Latest Edition.
4. Ross J. Roeser, Michael Valente, Holly Hosford-Dunn. Audiology Diagnosis New York, NY, USA: Thieme Medical Publishers, Latest Edition.
5. Handbook of Clinical Audiology Seventh, North American Edition by Jack Katz PhD (Author). 2014
6. Basic Audiometry Learning Manual (Core Clinical Concepts in Audiology) 1st Edition by Mark DeRuiter (Author), Virginia Ramachandran (Author), 2010.
7. The Human Auditory System, Volume 129: Fundamental Organization and Clinical Disorders (Handbook of Clinical Neurology) 1st Edition, 2015.

Allied Health

Audiology Assistant

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **AUD4311**

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

1. Hall III, J. W. Introduction to Audiology Today. Boston, MA, USA: Pearson, Latest Edition.
2. Katz, K., Medwestsky, L., Burkard, R., and Hood, L. Handbook of Clinical Audiology. Philadelphia, PA, USA: Lippincott Williams and Wilkins, Latest Edition.
3. Seewald, R., and Tharpe, A. M. Comprehensive Handbook of Pediatric Audiology. San Diego, CA, USA: Plural Publishing, Latest Edition.
4. Ross J. Roeser, Michael Valente, Holly Hosford-Dunn. Audiology Diagnosis New York, NY, USA: Thieme Medical Publishers, Latest Edition.
5. Handbook of Clinical Audiology Seventh, North American Edition by Jack Katz PhD (Author). 2014
6. Basic Audiometry Learning Manual (Core Clinical Concepts in Audiology) 1st Edition by Mark DeRuiter (Author), Virginia Ramachandran (Author), 2010.
7. The Human Auditory System, Volume 129: Fundamental Organization and Clinical Disorders (Handbook of Clinical Neurology) 1st Edition, 2015.

Allied Health

Cardiac Perfusionist

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **CAR5371**

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
- Cannula and Circuits for CPB

References

1. Clinical Anatomy by Richard Snell, 7th Edition.
2. Cardiopulmonary Bypass and Mechanical Support: Principles and Practice by Glenn P. Gravlee, Latest Edition
3. Textbook of Medical Physiology by Guyton and Hall, 10th Edition.
4. The Washington Manual of Surgery by Klingensmith, 5th Edition.
5. Cardiopulmonary Anatomy and Physiology by Terry Des Jardins, 5th Edition.
6. Manual of Peri-operative Care in Cardiac and Thoracic surgery by Robert M Bojar, 2nd Edition.
7. Manual of Peri-operative Care in Adult Cardiac Surgery by Robert M. Bojar, 3rd Edition
8. Cardiopulmonary Perfusion, Charles C. Reed, Diane K. Clark

Allied Health

Clinical Biochemistry - Clinical Scientist

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **BIC5662**

Fee: **USD240**

Pass Score: **65%**

Exam Coverage:

- General Chemistry Tests/ Preamanlytical Processes
- Quality Control
- General Chemistry
- Special Chemistry
- Hormone Tests
- Automation
- Point of Care Testing
- Therapeutic Drug Monitoring and Toxicology
- Automation/ Instrumentation Techniques
- Lab Safety
- Ethics

References

1. Textbook of Clinical Chemistry and Molecular Diagnostics, Tietz , Latest Edition.
2. Biochemistry and Metabolism (Core Science and Clinical Cases in One Book), Andrew Davison, Anna Milan, Suzannah Phillips, Lakshminarayan Ranganath, Latest Edition.
3. Clinical Biochemistry: An Illustrated Colour Text, Allan Gaw, Latest Edition.
4. Clinical Chemistry, Techniques, Principles, Correlations, Michael L. Bishop, Edward P. Fody, Larry E. Schoeff, Latest Edition.
5. Lecture Notes: Clinical Biochemistry, Geoffrey Beckett, Latest Edition.

Allied Health

Clinical Biochemistry Technologist

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **BIC5661**

Fee: **USD240**

Pass Score: **50%**

Exam Coverage:

- General Chemistry Tests/ Preamalytical Processes
- Quality Control
- General Chemistry
- Special Chemistry
- Hormone Tests
- Automation
- Point of Care Testing
- Therapeutic Drug Monitoring and Toxicology
- Automation/ Instrumentation Techniques
- Lab Safety
- Ethics

References

1. Textbook of Clinical Chemistry and Molecular Diagnostics, Tietz , Latest Edition.
2. Biochemistry and Metabolism (Core Science and Clinical Cases in One Book), Andrew Davison, Anna Milan, Suzannah Phillips, Lakshminarayan Ranganath, Latest Edition.
3. Clinical Biochemistry: An Illustrated Colour Text, Allan Gaw, Latest Edition.
4. Clinical Chemistry, Techniques, Principles, Correlations, Michael L. Bishop, Edward P. Fody, Larry E. Schoeff, Latest Edition.
5. Lecture Notes: Clinical Biochemistry, Geoffrey Beckett, Latest Edition.

Allied Health

Clinical Dietitian

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **NUT4112**

Fee: **USD240**

Pass Score: **55%**

Exam Coverage:

- Fundamental of Dietetics, Food Management and Services
- Disease Prevention and Health Promotion
- Nutrition Screening, Assessment and Counselling
- Principles of Food Preparation and Training
- Food Science and Normal Nutrition
- Menu Planning
- Procurement and Materials Management
- Metabolic Disorders
- Inflammatory Diseases and Cancer
- Food Production, Distribution and Facility Design
- Medical Nutrition Therapy
- Nutrition Through Life Cycle

References

1. Understanding Normal and Clinical Nutrition. Sharon Rady Rolfes, Kathryn Pinna, Ellie Whitney, Brooks Cole, Latest Edition.
2. Krause's Food and the Nutrition Care Process - Elsevier eBook on Intel Education Study, L. Kathleen Mahan, Janice L Raymond, Sylvia Escott-Stump, Latest Edition.
3. Clinical Nutrition, Marinos Elia, Olle Ljungqvist, Rebecca Stratton, Susan A. Lanham-New, Wiley-Black, Latest Edition.
4. Nutrition and Diagnosis-Related Care, by Sylvia Escott-Stump, Latest Edition.
5. Charney, P., Malone, ADA Pocket Guide to Enteral Nutrition. American Dietetic Association, Latest Edition.
6. V.A. Vaclavik and E.W. Christian, Essentials of Food Science, Springer Science, New York, Latest Edition.

Allied Health

Clinical Pharmacy

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **PHO5482**

Fee: **USD240**

Pass Score: **70%**

Exam Coverage:

- Toxicology
- Medicinal Chemistry
- Sterile and Nonsterile Compounding
- Pharmaceutics/Biopharmaceutics
- Pharmacognosy and Dietary Supplements
- Pharmacy Calculation and Compounding
- Clinical pharmacogenomics
- Pharmacokinetics
- Pharmaceutical Care and Disease State Management
- Medication Safety
- Over the Counter Medication
- Pharmacy Law and Ethics
- Clinical Pharmacology and Therapeutic Decision Making
- Infection Control

References

1. Dick R. Gourley , James C. Eoff III, The APhA Complete Review for Pharmacy, the American Pharmacists Association. • William E Paul. Fundamental Immunology, Philadelphia, USA, Lippincott Williams & Wilkins. •
2. Lippincott's Illustrated Reviews: Biochemistry.
3. Leon Shargel, Alan H. Munick, Paul F. Souney, Larry N. Swanson. Comprehensive Pharmacy Review
4. Goodman & Gilman's: The Pharmacological Basis of Therapeutics.
5. Shargel, Applied Biopharmaceutics & Pharmacokinetics, the Middle East Observer, USA: Appleton and Lange.
6. Howard C. Ansel, Mitchell J. Stoklosa, Pharmaceutical Calculations.
7. •Aulton, M., E., Pharmaceutics: The Science of Dosage Form Design, London Churchill Livingstone.
8. Karen E. Stine, Thomas M. Brown, Principles of Toxicology.
9. Karen Rascati. Essentials of Pharmacoeconomics. Lippincott Williams & Wilkins

Allied Health Category

Allied Health Clinical Psychology

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **CPS5071**

Fee: **USD240**

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

1. Alan Carr and Muireann McNulty (2006). The Handbook of Adult Clinical Psychology. Routledge: London
2. Alan D. Baddeley, Barbara A. Wilson, and Fraser N. Watts (1998). Handbook of Memory Disorders. John Wiley & Sons: Chichester.
3. A. Reber (1995). Dictionary of Psychology. Penguin Books: London.
4. Glen O. Gabbard (2000). Psychodynamic Psychiatry in Clinical Practice (3rd Edition). American Psychiatric Press, Inc: Washington, DC.
5. G. Neil Martin (2006). Human Neuropsychology (Second Edition). Pearson Education Limited: Edinburgh, UK.
6. Arno F. Wittig (2001). Introduction to Psychology (Second Edition). McGraw-Hill: New York.

Allied Health

Central Sterile Services (CSS) Aide

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **STE5653**

Fee: **USD240**

Pass Score: **50%**

Exam Coverage:

- Overview of the CSSD and Decontamination
- Principles of Asepsis, Microbiology and Infection Control
- Transportation of Solid Items to CSSD and Disinfection Process
- Processing Equipment and Classification of Surgical Instrument Types
- Inventory Control, Sterile Storage and Planned Maintenance
- Preparation, Packaging and Labeling of Instruments and Devices
- Sterilization, Maintenance, Audit and Quality Control
- Flexible Endoscope and Dental Instrument Processing
- Use of Indicators, Load Control and Transportation from the CSSD

References

1. Medical Device Reprocessing (Decontamination Specialist), Course Curriculum.
2. The Basics of Sterile Processing. Nancy Chobin. Sterile Processing University. LLC New Jersey, Latest Edition.
3. Central Service Technical Manual. N.Lind; J.D. Ninemeier. International Association of Healthcare Central Service Material Management, Latest Edition.

Allied Health

Central Sterile Services (CSS) Technician

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **STE5652**

Fee: **USD240**

Pass Score: **45%**

Exam Coverage:

- Overview of the CSSD and Decontamination
- Principles of Asepsis, Microbiology and Infection Control
- Transportation of Solid Items to CSSD and Disinfection Process
- Processing Equipment and Classification of Surgical Instrument Types
- Preparation, Packaging and Labeling of Instruments and Devices
- Sterilization, Maintenance, Audit and Quality Control
- Flexible Endoscope and Dental Instrument Processing
- Use of Indicators, Load Control and Transportation from the CSSD

References

1. Medical Device Reprocessing (Decontamination Specialist), Course Curriculum.
2. The Basics of Sterile Processing. Nancy Chobin. Sterile Processing University. LLC New Jersey, Latest Edition.
3. Central Service Technical Manual. N.Lind; J.D. Ninemeier. International Association of Healthcare Central Service Material Management, Latest Edition.

Allied Health

Dental Assistant

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **DAS5111**

Fee: **USD240**

Pass Score: **60%**

Exam Coverage:

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

References

1. Modern Dental Assisting. By D.L.Bird; and D.S. Robinson. Published by Elsevier, Latest Edition.
2. In Practice Training Program for Dental Assistants. By the British Dental Journal, edited by M. Seward, Latest Edition. Complete Review of Dental Assisting. Prentice Hall Health, Emily Andujo, Latest Edition.
3. Pearson's Comprehensive Dental Assisting, Tyler, Lori, Pearson, Latest Edition.
4. Infection Control and Management of Hazardous Materials for the Dental Team, Millar and Palenik, Latest Edition

Allied Health

Dental Hygienist

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **DEN5141**

Fee: **USD240**

Pass Score: **55%**

Exam Coverage:

- Basic Anatomy and Physiology Biology, Physiology, and Oral Pathology
- Medical and Dental Histories
- Extra and Intra Oral Examination
- Non-Surgical Periodontal Therapy
- Preventive Therapy
- Management of Medical Emergencies and Medically Compromised Patients
- Communication Skills
- Community Dental Hygiene
- Professionalism and Ethics
- Patient Safety

References

1. Clinical Practice of the Dental Hygienist. E.M. Wilkins; Lippincott Williams and Wilkins, Latest Edition.
2. Fundamentals of Periodontal Instrumentation. Nield-Gehring J.S., Lippincott Williams and Wilkins, Latest Edition.
3. Dental Hygiene: Theory and Practice, Darby and Walsh, Latest Edition.
4. Contemporary Periodontal Instrumentation. Diane H. Schoen; M. Catherine Dean, Latest Edition.
5. Comprehensive Review of Dental Hygiene, Mosby's, Michele Leonardi Darby, Latest Edition.

Allied Health

Dental Lab Aide

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **DLT5522**

Fee: **USD240**

Pass Score: **50%**

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

1. Fundamentals of Fixed Prosthodontics by: Sumiya Hobo, Lowell D. Whitsett, Richard Jacobi, Susan E. Brackett Creator: Herbert T. Shillingburg Publisher: Quintessence Publishing (IL), Latest Edition.
2. McCracken's Removable Partial Prosthodontics, by Glen P. McGivney, Alan B. Carr, William L. McCracken, Publisher: Mosby-Year Book, Latest Edition.
3. Phillips' Science of Dental Materials, by Kenneth J Anusavice, DMD, PhD, Publisher: WB Saunders, Latest Edition
4. Dental Anatomy: Its Relevance to Dentistry, by J B Woelfel and Sheid, Publisher: Lippincott, Williams and Wilkins, Latest Edition..
5. Complete Dentures: From Planning to Problem Solving by P. Finbarr Allen, Scan McCarthy, Quintessence, Latest Edition.
6. Orthodontics: Current Principles and Techniques by T M Graber and R L Vanarsdall, Publisher: Mosby, Latest Edition.
7. Basic Infection Control for Healthcare Providers [ILLUSTRATED], by Michael Kenamer. Delmar Thomson learning, Inc., Latest Edition.
8. Contemporary fixed prosthodontics (fifth edition) by rosenstiel, Land & Fujimoto.
9. Implant Laboratory Procedures: A step-by-step Guide, by Carl Drago and Thomas Peterson, Latest Edition.

Allied Health Category

Allied Health

Dental Lab Technician

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **DLT5521**

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

1. Fundamentals of Fixed Prosthodontics by: Sumiya Hobo, Lowell D. Whitsett, Richard Jacobi, Susan E. Brackett Creator: Herbert T. Shillingburg Publisher: Quintessence Publishing (IL), Latest Edition.
2. McCracken's Removable Partial Prosthodontics, by Glen P. McGivney, Alan B. Carr, William L. McCracken, Publisher: Mosby-Year Book, Latest Edition.
3. Phillips' Science of Dental Materials, by Kenneth J Anusavice, DMD, PhD, Publisher: WB Saunders, Latest Edition
4. Dental Anatomy: Its Relevance to Dentistry, by J B Woelfel and Sheid, Publisher: Lippincott, Williams and Wilkins, Latest Edition..
5. Complete Dentures: From Planning to Problem Solving by P. Finbarr Allen, Scan McCarthy, Quintessence, Latest Edition.
6. Orthodontics: Current Principles and Techniques by T M Graber and R L Vanarsdall, Publisher: Mosby, Latest Edition.
7. Basic Infection Control for Healthcare Providers [ILLUSTRATED], by Michael Kenamer. Delmar Thomson learning, Inc., Latest Edition.
8. Contemporary fixed prosthodontics (fifth edition) by rosenstiel, Land & Fujimoto.
9. Implant Laboratory Procedures: A step-by-step Guide, by Carl Drago and Thomas Peterson, Latest Edition.
10. Fundamentals of Facial Prosthetics, by Robert E McKinstry, Latest Edition.

Allied Health Category

Allied Health

Dialysis Technologist

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **RDT5162**

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

1. Core Curriculum for the Dialysis Technician, Medical Education Institute, 4th Edition, 2008, Amgen
2. Fundamentals of Nursing: Standards and Practice, DeLaune and Ladner, 3rd Edition, 2006, Delmar
3. Handbook of Dialysis Therapy, Nissenson and Fine, 4th Edition, 2007, Saunders
4. Manual of Clinical Dialysis, Ahmad, 2nd Edition, 2009, Springer
5. Oxford Handbook of Dialysis, Levy et al, 3rd Edition, 2009, Oxford University Press
6. Principles and Practices of Dialysis, Henrich, 4th Edition, 2009, Lippincott, Williams and Wilkins
7. "Comprehensive Interdisciplinary Patient Assessment," National Kidney Foundation, 2008,
http://www.kidney.org/professionals/pdf/ANNA_form3.pdf

Allied Health

Dialysis Technician

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **RDT5161**

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

1. Core Curriculum for the Dialysis Technician, Medical Education Institute, 4th Edition, 2008, Amgen
2. Fundamentals of Nursing: Standards and Practice, DeLaune and Ladner, 3rd Edition, 2006, Delmar
3. Handbook of Dialysis Therapy, Nissenson and Fine, 4th Edition, 2007, Saunders
4. Manual of Clinical Dialysis, Ahmad, 2nd Edition, 2009, Springer
5. Oxford Handbook of Dialysis, Levy et al, 3rd Edition, 2009, Oxford University Press
6. Principles and Practices of Dialysis, Henrich, 4th Edition, 2009, Lippincott, Williams and Wilkins
7. "Comprehensive Interdisciplinary Patient Assessment," National Kidney Foundation, 2008,
http://www.kidney.org/professionals/pdf/ANNA_form3.pdf

Allied Health

ECG Technician

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **ECG5612**

Fee: **USD240**

Pass Score: **45%**

Exam Coverage:

- Cardiac Anatomy
- Cardiac Electro-physiology
- Pharmacotherapy
- Ischemic Heart Disease
- Valvular Heart Disease
- Tachy-arrhythmias
- Brady-arrhythmias
- Technical aspect of 12 LEAD ECG
- Pacemakers and Defibrillators
- Basic Life Support

References

1. ECGs by Example, 3rd Edition.
2. Dale Dubin's Rapid Interpretation of EKG's, 6th Edition.
3. Understanding Electrocardiography by Mary Conover, 8th Edition.
4. ECG Made Easy, 9th Edition.
5. Manual of BLS for Healthcare Providers, by American Heart Association.

Allied Health

Hematology Technologist

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **MTH4612**

Fee: **USD240**

Pass Score: **55%**

Exam Coverage:

- Lab Safety Quality Control
- Laboratory Operations
- 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

1. Keohane, E., Smith, L., & Walenga, J. (n.d.). Rodak's Hematology (5th ed.). Elsevier.
2. Rodak, B. F., & Carr, J. H. (n.d.). Clinical Hematology Atlas (5th ed.). Elsevier.
3. Harmening D.M. (2012). Modern Blood Banking & Transfusion Practices.6th Ed.Philadelphia, PA: F.A.Davis Company
4. Fung M.K., Eder A.F., Spitalnik S. L., Westhoff C. M. (2017). Technical Manual. 19th Ed. Bethesda, MD: AABB Press.
5. Todd, I., Spickett, G., & Fairclough, L. (n.d.). Lecture Notes: Immunology (7th ed.). Wiley.
6. Landsverk, M. L., & Wong, L. C. (n.d.). Clinical Molecular Diagnostic Techniques: A Brief Review.
7. Laboratory Quality Management System Handbook WHO.

Allied Health

Hematology - Clinical Scientist

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **MTH4611**

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

1. Hematology Lecture Notes for Medical Laboratory Students by Yared Alemu, Alemayehu Atomsa and Zewdneh Sahlemariam, Latest Edition.
2. Clinical Laboratory Hematology by Shirlyn B. McKenzie, Latest Edition.
3. Anderson's Atlas of Hematology by Shauna C. Anderson and Keila B. Poulsen, Latest Edition.
4. Dacie and Lewis Practical Hematology by SM Lewis, Barbara J. Bain, Imelda Bates, Latest Edition.

Allied Health

Massage Therapist

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **MAS5511**

Fee: **USD240**

Pass Score: **50%**

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

1. The Massage Connection: Anatomy and Physiology, Kalyani Premkumar, 2nd Edition, Lippincott & Wilkins.
2. Basic Clinical Massage Therapy, James Cray and David Pounds, 2nd Edition, Lippincott & Wilkins.
3. Thai Massage Manual: Natural Therapy for Flexibility, Relaxation, and Energy Balance, Maria Mercati.
4. The Myofascial Releases Manual, Carol Msnheim, 2nd Edition, Slack Incorporated.
5. Massage for Therapist, Margaret Hollis, 2nd Edition, Blackwell Science Ltd.
6. Manipulation, Traction, and Massage, Joseph Rogoff, 2nd Edition.
7. Muscle: Testing and Function with Posture and Pain, Florence Peterson, 5th Edition.
8. Textbook of Medical Physiology, Guyton and Hall.
9. Orthopedic Physical Assessment, David J, 4th Edition.
10. Clayton's Electrotherapy, Theory and Practice, Angela Forster, 9th Edition.
11. Therapeutic Exercise, Carolyn Kisner, 5th Edition.
12. Tide's Physical therapy, Ann Thomson, 12th Edition.

Medical Microbiology – Clinical Scientist

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **MIC5692**

Fee: **USD240**

Pass Score: **65%**

Exam Coverage:

- Growth Media & Staining Techniques
- Infectious Disease
- Molecular Microbiology
- Respiratory Tract, TB, and CNS Infections
- Blood Sepsis & Bacteriology
- Immunology / Serology
- Diagnostic Virology
- Mycology and Parasitology

References

1. Bacterial Metabolism, Gottschalk, 2nd Edition, Springer
2. Bailey & Scott's Diagnostic Microbiology, Forbes et al, 12th Edition, 2007, Mosby
3. Basic Immunology, Abbas et al, 3rd Edition, 2009, Saunders/Elsevier
4. Burton's Microbiology for Health Sciences, Engelkirk, 9th Edition, 2010, Lippincott Williams and Wilkins
5. Dietary Supplements, Toxicology, and Clinical Pharmacology, Cupp and Tracy, Humana
6. Harrison's Principles of Internal Medicine, Fauci et al, 17th Edition, 2008, McGraw-Hill
7. Koneman's Color Atlas and Textbook of Diagnostic Microbiology, Winn et al, 6th Edition, Lippincott Williams and Wilkins
8. Mackie and McCartney Practical Medical Microbiology, Collee et al, 14th Edition, Churchill Livingstone
9. Male Infertility: A Guide for the Clinician, Jequier, Blackwell
10. Manual of Clinical Microbiology, Volume 1, Murray et al, 8th Edition, ASM

Allied Health

Medical Microbiology Technologist

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **MIC5691**

Fee: **USD240**

Pass Score: **55%**

Exam Coverage:

- Growth Media & Staining Techniques
- Infectious Disease
- Molecular Microbiology
- Respiratory Tract, TB, and CNS Infections
- Blood Sepsis & Bacteriology
- Immunology / Serology
- Diagnostic Virology
- Mycology and Parasitology

References

1. Bacterial Metabolism, Gottschalk, 2nd Edition, Springer
2. Bailey & Scott's Diagnostic Microbiology, Forbes et al, 12th Edition, 2007, Mosby
3. Basic Immunology, Abbas et al, 3rd Edition, 2009, Saunders/Elsevier
4. Burton's Microbiology for Health Sciences, Engelkirk, 9th Edition, 2010, Lippincott Williams and Wilkins
5. Dietary Supplements, Toxicology, and Clinical Pharmacology, Cupp and Tracy, Humana
6. Harrison's Principles of Internal Medicine, Fauci et al, 17th Edition, 2008, McGraw-Hill
7. Koneman's Color Atlas and Textbook of Diagnostic Microbiology, Winn et al, 6th Edition, Lippincott Williams and Wilkins
8. Mackie and McCartney Practical Medical Microbiology, Collee et al, 14th Edition, Churchill Livingstone

Allied Health

Medical Laboratory Technician

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **LAB5601**

Fee: **USD240**

Pass Score: **45%**

Exam Coverage:

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

References

1. Laboratory Practice in Tropical Countries, Monica Cheesbrough (latest Edition)
2. Manual on Standard Operation Procedures, Sample Collection and Reference Ranges for Clinical Chemistry, Meliyanthi M. Gunatillaka (latest Edition)
3. Clinical Immunology and Serology, Christine Dorresteyn Stevens (latest Edition)
4. HENRY'S Clinical Diagnosis and Management by Laboratory Methods, McPherson, (Latest Edition).
5. Modern Blood Banking & Transfusion Practices, By: Denise M. Harmening, (Latest edition).
6. A Manual of Laboratory and Diagnostic Tests, (9th Edition), (Fischbach, F. and Dunning, M.B.).

Allied Health

Medical Laboratory Technologist

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **LAB5631**

Fee: **USD240**

Pass Score: **50%**

Exam Coverage:

- Blood Bank
- Urinal analysis and other body fluid
- Clinical Chemistry
- Hematology
- Immunology and Serology
- Histo-and Cyto Techniques
- Microbiology
- Laboratory Operation
- Patient Safety and professionalism

References

1. Harmening D.M.(2012). Modern Blood Banking & Transfusion Practices.6th Ed.Philadelphia, PA: F.A.Davis Company
2. Brunzel, N. A. (2013). Fundamentals of urine and body fluid analysis (4th ed.). Elsevier.
3. Marshall, W. J., Lapsley, M., & Day, A. (2016). Clinical Chemistry (8th ed.).
4. Keohane, E., Smith, L., & Walenga, J. (n.d.). Rodak's Hematology (5th ed.). Elsevier.
5. Todd, I., Spickett, G., & Fairclough, L. (n.d.). Lecture Notes: Immunology (7th ed.). Wiley.
6. Bancroft, J. D., & Gamble, M. (2007). Theory and Practice of Histological Techniques (6th or latest ed.). Churchill Livingstone.
7. Tille, P. (2013). Bailey & Scott's Diagnostic Microbiology (13th ed.). Mosby.

Allied Health Nutritionist

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **NUT4111**

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

1. Understanding Normal and Clinical Nutrition. Sharon Rady Rolfes, Kathryn Pinna, Ellie Whitney, Brooks Cole, Latest Edition.
2. Krause's Food and the Nutrition Care Process - Elsevier eBook on Intel Education Study, L. Kathleen Mahan, Janice L Raymond, Sylvia Escott-Stump, Latest Edition.
3. Clinical Nutrition, Marinos Elia, Olle Ljungqvist, Rebecca Stratton, Susan A. Lanham-New, Wiley-Black, Latest Edition.
4. Nutrition and Diagnosis-Related Care, by Sylvia Escott-Stump, Latest Edition.
5. Charney, P., Malone, ADA Pocket Guide to Enteral Nutrition. American Dietetic Association, Latest Edition.
6. V.A. Vaclavik and E.W. Christian, Essentials of Food Science, Springer Science, New York, Latest Edition.

Allied Health

Occupational Therapist

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **ORA5562**

Fee: **USD240**

Pass Score: **55%**

Exam Coverage:

- Neurological Conditions
- Physical Disabilities
- Developmental Disabilities
- Occupational Health and Patient Safety
- Community Based Services and Assistive Technology
- Hand Dysfunctions
- Psychosocial Problems & Mental Health
- Pediatric Conditions
- Community Based Services and Assistive Technology
- Ethics and Professionalism

References

1. Willard and Spackman's Occupational Therapy, Latest Edition.
2. Pedretti's Occupational Therapy: Practice Skills for Physical Dysfunction, latest Edition.
3. Occupational Therapy for Children (Case-Smith), Latest Edition.
4. Fundamentals of Hand Therapy, Cooper, Latest Edition.
5. Handbook of Developmental Disabilities, Odom, Latest Edition.
6. Occupational Therapy in Mental Health: A vision for participation, Brown, Latest Edition.

Allied Health

Occupational Therapy Technician

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **ORA5561**

Fee: **USD240**

Pass Score: **50%**

Exam Coverage:

- Neurological Conditions
- Physical Disabilities
- Developmental Disabilities
- Occupational Health and Patient Safety
- Community Based Services and Assistive Technology
- Hand Dysfunctions
- Psychosocial Problems & Mental Health
- Pediatric Conditions
- Community Based Services and Assistive Technology
- Ethics and Professionalism

References

1. Willard and Spackman's Occupational Therapy, Latest Edition.
2. Pedretti's Occupational Therapy: Practice Skills for Physical Dysfunction, latest Edition.
3. Occupational Therapy for Children (Case-Smith), Latest Edition.
4. Fundamentals of Hand Therapy, Cooper, Latest Edition.
5. Handbook of Developmental Disabilities, Odom, Latest Edition.
6. Occupational Therapy in Mental Health: A vision for participation, Brown, Latest Edition.

Allied Health Optometrist

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **OPT5581**

Fee: **USD240**

Pass Score: **55%**

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

1. Bennet and Rabbett's Clinical Visual Optics by Ronald B. Rabbetts, Latest Edition.
2. Contact Lenses in Ophthalmic Practice by Mark J. Mannis, Karla Zadnik, Cleusa Coral-Ghanem and Newton Kara-Jose, Latest Edition.
3. Essentials of Low Vision Practice by Richard L. Brilliant, Latest Edition.
4. Theodore Grosvenor. Primary Care Optometry, Latest Edition.
5. Kanski. Clinical Ophthalmology. A Systematic Approach, Latest Edition.

Allied Health Pharmacist

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **PHO5481**

Fee: **USD240**

Pass Score: **60%**

Exam Coverage:

- Toxicology
- Medicinal Chemistry
- Sterile and Nonsterile Compounding
- Pharmaceutics/Biopharmaceutics
- Pharmacognosy and Dietary Supplements
- Pharmacy Calculation and Compounding
- Clinical pharmacogenomics
- Infection Control
- Pharmacokinetics
- Pharmaceutical Care and Disease State Management
- Medication Safety
- Over the Counter Medication
- Pharmacy Law and Ethics
- Clinical Pharmacology and Therapeutic Decision Making

References

1. Dick R. Gourley , James C. Eoff III, The APhA Complete Review for Pharmacy, the American Pharmacists Association. • William E Paul. Fundamental Immunology, Philadelphia, USA, Lippincott Williams & Wilkins.
2. Lippincott's Illustrated Reviews: Biochemistry.
3. Leon Shargel, Alan H. Munick, Paul F. Souney, Larry N. Swanson. Comprehensive Pharmacy Review
4. Goodman & Gilman's: The Pharmacological Basis of Therapeutics.
5. Shargel, Applied Biopharmaceutics & Pharmacokinetics, the Middle East Observer, USA: Appleton and Lange.
6. Howard C. Ansel, Mitchell J. Stoklosa, Pharmaceutical Calculations.
7. •Aulton, M., E., Pharmaceutics: The Science of Dosage Form Design, London Churchill Livingstone.
8. Karen E. Stine, Thomas M. Brown, Principles of Toxicology.
9. Karen Rascati. Essentials of Pharmacoeconomics. Lippincott Williams & Wilkins.

Allied Health Category

Allied Health

Pharmacy Technician

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **PHT5451**

Fee: **USD240**

Pass Score: **55%**

Exam Coverage:

- Pharmacy Calculation
- Pregnancy and Lactation
- Sterile and Nonsterile Compounding
- Infection Control
- Medication Safety
- Pharmacokinetics
- Pharmaceutical Care and Disease State Management
- Over the Counter Medication
- Pharmacy Law and Ethics

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)
3. Drug Information Handbook. LexiComp. (Latest Edition)
4. Pharmacotherapy: A Pathophysiologic Approach (Latest Edition)

Allied Health

Prosthetics & Orthotics Technologist

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **PRO5952**

Fee: **USD240**

Pass Score: **60%**

Exam Coverage:

- Assessment and Examination
- Functional Anatomy
- Kinesiology and Biomechanics
- Lower Limb Amputations & Prosthetics
- Footwear Adaptation
- Lower Limb Orthotics
- Spinal Orthotics
- Upper Limb Amputations and Prosthetics
- Upper Limb Orthotics
- Materials Technology
- General Workplace Practice and Safety

References

1. Barbara Engstrom and Catherine van de ven, Therapy for Amputee , 3rd Edition
2. Jenkins, Hollinshead's Functional Anatomy of the Limbs and Back, 7th Edition
3. Joel A. Delisa, Physical Medicine and Rehabilitation Principles and Practice, 4th Edition
4. Lippert, Clinical Kinesiology and Anatomy, 2006
5. Michaille M.Lusardi, Caroline C.Nielsen, Orthotics and Prosthetics in Rehabilitation
6. O'Sullivan ,Schmitz, Physical Rehabilitation: Assessment and Treatment, 2007
7. Randall.L.braddom, Physical Medicine and Rehabilitation, 3rd Edition.

Allied Health

Prosthetics & Orthotics Technician

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **PRO5951**

Fee: **USD240**

Pass Score: **55%**

Exam Coverage:

- Assessment and Examination
- Functional Anatomy
- Kinesiology and Biomechanics
- Lower Limb Amputations & Prosthetics
- Footwear Adaptation
- Lower Limb Orthotics
- Spinal Orthotics
- Upper Limb Amputations and Prosthetics
- Upper Limb Orthotics
- Materials Technology
- General Workplace Practice and Safety

References

1. Barbara Engstrom and Catherine van de ven, Therapy for Amputee , 3rd Edition
2. Jenkins, Hollinshead's Functional Anatomy of the Limbs and Back, 7th Edition
3. Joel A. Delisa, Physical Medicine and Rehabilitation Principles and Practice, 4th Edition
4. Lippert, Clinical Kinesiology and Anatomy, 2006
5. Michaille M.Lusardi, Caroline C.Nielsen, Orthotics and Prosthetics in Rehabilitation
6. O'Sullivan ,Schmitz, Physical Rehabilitation: Assessment and Treatment, 2007
7. Randall.L.braddom, Physical Medicine and Rehabilitation, 3rd Edition.

Allied Health Physiotherapist

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **PHY5121**

Fee: **USD240**

Pass Score: **50%**

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

1. Prevention Practice A Physical Therapist's Guide to Health Fitness and Wellness, Catherine Rush Thompson, Latest Edition.
2. Therapeutic Exercise Foundations and Techniques by Carolyn Kisner, Latest Edition.
3. Tidy's Physiotherapy, Latest Edition.
4. Clayton's Electrotherapy and Actinotherapy, Latest Edition.
5. Physiotherapy Secrets, PP Mohanty & Monalisa Pattnaik.
6. Musculoskeletal Rehabilitation "Report of a working party convened by the British Society of Rehabilitation Medicine" Chair: Dr Vera Neumann. Latest edition.

Allied Health

Physiotherapy Technician

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **PHY4011**

Fee: **USD240**

Pass Score: **45%**

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

1. Prevention Practice A Physical Therapist's Guide to Health Fitness and Wellness, Catherine Rush Thompson, Latest Edition.
2. Therapeutic Exercise Foundations and Techniques by Carolyn Kisner, Latest Edition.
3. Tidy's Physiotherapy, Latest Edition.
4. Clayton's Electrotherapy and Actinotherapy, Latest Edition.
5. Physiotherapy Secrets, PP Mohanty & Monalisa Pattnaik.
6. Musculoskeletal Rehabilitation "Report of a working party convened by the British Society of Rehabilitation Medicine" Chair: Dr Vera Neumann. Latest edition.

Allied Health Radiographer

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **RAD5152**

Fee: **USD240**

Pass Score: **55%**

Exam Coverage:

- Patient Management
- Radiation Protection
- X-ray & CT
- Health and Safety
- Ultrasound & MRI
- Nuclear Medicine
- Operation of Equipment
- Fluoroscopy
- General Anatomy Patient Safety, Professionalism & Ethics
- Procedure Management

References

1. Bontrager's Textbook of Radiographic Positioning and Related Anatomy, 9th Edition, John Lampignano, and Leslie E. Kendrick, Mosby Publisher, Philadelphia, PA, USA, 2017. ISBN 9780323399661
2. Introduction to Radiologic and Imaging Sciences and Patient Care 6th Edition, Arlene M. Adler, Richard R. Carlton, Saunders Publisher, Philadelphia, PA, USA, 2015. ISBN 978-0323315791
3. Sherer, M.S. Visconti, P.J., et al. "Radiation Protection in Medical radiography", 8th edition. Mosby, 2018 ISBN:978-0-323-44666-2
4. Westbrook C., and Talbot J. - MRI in Practice
5. Gurley's- Introduction to Radiologic Technology)
6. X-Ray Technician(Passbooks) (Career Examination Passbooks)
7. CT & MRI Pathology: A Pocket Atlas
8. Radiographic and Angiographic Procedures with an Introduction to Specialized Imaging. FA Davis
9. Nuclear Medicine Technology: Procedures and Quick Reference. Pete Shackett. Third Edition, 2019
10. MRI in Practice, Catherine Westbrook
11. Health Professions Council (HPC) Standards of Conduct, Performance and Ethics. London: HPC. performance-and-ethics/. Accessed November 20, 2019

Allied Health Category

Allied Health

Radiography Technician

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **RAD5622**

Fee: **USD240**

Pass Score: **45%**

Exam Coverage:

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

References

1. Nuclear Medicine and PET/CT: Technology and Techniques 7th Edition, by Paul E. Christian & Kristen M. Waterstram-Rich. ISBN-10: 0323071929
2. Sonography Principles and Instruments 9th Edition, by Frederick W. Kremkau. ISBN-10: 0323322719
3. Basic Radiation Protection Technology 6th Edition, by Daniel A Gollnick. ISBN10: 0916339149
4. Chesneys Radiographic Imaging 6th Edition, by Jhon Ball & Tony Price. ISBN: 978-0-632-03901-2
5. Chesneys' Equipment for Student Radiographers, 4th Edition, by P. H. Carter, A. M. Paterson, M. L. Thornton, A. P. Hyatt, A. Milne, J. R. Pirrie. ISBN: 978-0632-02724-8
6. Essentials Of Ultrasound Physics 1st Edition, by James A. Zagzebski. ISBN- 10: 0815198523
7. Clinical Sonography: A Practical Guide 5th Edition, by Roger C. Sanders, ISBN10: 1451192525
8. MRI in Practice 5th Edition, by Catherine Westbrook, John Talbot ISBN-10: 1119391962
9. CT Imaging: Practical Physics, Artifacts, and Pitfalls, by Alexander C. Mamourian. ASIN: B01JXRVUPY
10. Cross Sectional Anatomy CT & MRI 1st Edition, by Govind B. Chavhan & Jankharia Bhavin. ISBN-10: 9350250462
11. Clark's Positioning in Radiography 13th Edition by A. Stewart Whitley ISBN-10: 149875693X
12. Essential Physics of Medical Imaging, by Jerrold Bushberg. 3rd Edition. ISBN: 9780781780575
13. Professionalism and Ethics, Handbook for Residents, Practical guide, Prof. James Ware, Dr. Abdulaziz Fahad Alkaabba, Dr. Ghaiath MA Hussein
14. Prof. Omar Hasan Kasule, SCFHS, Latest Edition

Allied Health Category

Allied Health

Respiratory Technician

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **RES5881**

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

1. Egan's Fundamentals of Respiratory Care - Textbook and Workbook Package, Latest Edition.
2. Pilbeam's Mechanical Ventilation: Physiological and Clinical Applications, Latest Edition.
3. Wilkins' Clinical Assessment in Respiratory Care, Latest Edition.
4. Clinical Manifestations and Assessment of Respiratory Disease, 8th edition
5. . Ruppel's Manual of Pulmonary Function Testing, 12th edition.

Allied Health Respiratory Therapist

Duration: **3 Hrs.**

No. of Questions: **150**

Code: **RES5882**

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

1. Egan's Fundamentals of Respiratory Care - Textbook and Workbook Package, Latest Edition.
2. Pilbeam's Mechanical Ventilation: Physiological and Clinical Applications, Latest Edition.
3. Wilkins' Clinical Assessment in Respiratory Care, Latest Edition.
4. Clinical Manifestations and Assessment of Respiratory Disease, 8th edition
5. . Ruppel's Manual of Pulmonary Function Testing, 12th edition

TCAM

Ayurveda Practitioner

Duration: **2 Hrs.**

No. of Questions: **100**

Code: **PAY5852**

Fee: **USD180**

Pass Score: **60%**

Exam Coverage:

- Ayurveda Philosophy
- Dravyaguna Vigyan
- Rasashastra evam Bhaishajyakalpana
- Roga Nidan evam Vikriti Vigyan
- Samanya Chikitsa, Shiro Roga, Karna Roga, Nasa Roga
- Samhita Adhyayan
- Kayachikitsa
- Panchakarma & Upakarma
- Prasuti Tantra evam Stree Roga
- Philosophy of science
- Medicinal herbs
- Pharmacology (Actions, indications, & contraindications) with their usage
- Preparation of medicines and dosage (posology) as per the guidelines of Pharmacopeia
- Different drugs and their uses in pathological conditions
- Case taking and diagnosis as per the science of practice
- Limitations in treating incurable diseases
- Integration of modern medical tools in establishing diagnosis and respective corresponding treatment as per given protocols of their science.

References

1. Davidson's Principles and Practice of Medicine, by Ian D Penman, Stuart H. Ralston, Mark W J Strachan, Richard Hobson, Publisher: Elsevier Health Sciences
2. Principles of Anatomy and Physiology - Last edition, by Gerard J. Tortora & Sandra R Grabowski, Publisher: Wiley
3. Charaka Samhita, by Shri Chakra Pani Datt, Publisher: Chowkhamba Krishnadas Academy
4. Ashtanga Hridayam, by Dr. Brahmanand Tripathi, Publisher: Chaukhambha
5. Critical Analysis of Ayurvedic Formulations (Sahasrayoga and Other Samhitas, by Dr. L. Mahadevan, Publisher: Sarada Mahadeva Iyer Ayurvedic Educational & Charitable Trust

TCAM Category

TCAM

Homeopathy Practitioner

Duration: **2 Hrs.**

No. of Questions: **100**

Code: **PHO5832**

Fee: **USD180**

Pass Score: **60%**

Exam Coverage:

- Homeopathic Philosophy
- Homeopathic Organon of Medicine
- Homeopathic Pharmacy Drug Proving and Posology
- Homeopathic Materia Medica & Drug Pictures
- Homeopathic Case Taking Methodology & Diagnosis
- Homeopathic Repertory
- Therapeutics Science related to Medicine, Surgery, OB/GYN, Ophthalmology, ENT, Skin & VD.
- 8 Therapeutics related to Prevention of Diseases
- Philosophy of science
- Medicinal herbs
- Pharmacology (Actions, indications, & contraindications) with their usage
- Preparation of medicines and dosage (posology) as per the guidelines of Pharmacopeia
- Different drugs and their uses in pathological conditions
- Case taking and diagnosis as per the science of practice
- Limitations in treating incurable diseases
- Integration of modern medical tools in establishing diagnosis and respective corresponding treatment as per given protocols of their science.

References

1. The Organon Of Medicine, by Samuel Hahnemann, Publisher: B Jain Publishers Pvt Ltd
2. Davidson's Principles and Practice of Medicine, by Ian D Penman Stuart H Ralston Mark W J Strachan Richard Hobson, Publisher: B Jain Publishers Pvt Ltd
3. Materia Medica Keynotes by Henry C. Allen, by Henry C Allen, Publisher: B Jain Publishers Pvt Ltd
4. Materia Medica of Homoeopathic Medicines, by S R Phatak, Publisher: B Jain Publishers Pvt Ltd
5. Lectures on Homoeopathic Materia Medica, by James Tyler Kent, Publisher: B Jain Publishers Pvt Ltd

TCAM Category



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