



**Allied Healthcare Professions (AHP)**  
**Qualifying Examination Blueprint (Nature & contents of the test)**

**1. Lab Technologist**

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

**2. Lab Technician**

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

**3. Radiology Technologist**

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



#### 4. Radiology Technician

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

#### 5. Physiotherapist

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

#### 6. Basic Paramedic

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



## 7. Paramedic

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

## 8. Dental Assistant

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

## 9. Dental Hygienist

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



	Communication Skills	7	
	Patient Safety	8	
	Professionalism and Ethics	8	
<b>Total</b>		<b>150</b>	

## 7. Dental Lab Technician

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

## Qualifying Examination References

Exam References	Scope
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. Molecular Cell Biology, Harvey Lodish (latest Edition)	<b>Lab Technologist</b>
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.).	<b>Lab Technician</b>



<ol style="list-style-type: none"> <li>7. Tietz Fundamentals of Clinical Chemistry and Molecular Diagnostics, (Latest Edition), (Burtis, C.A. and Bruns, D.E.).</li> <li>8. Wintrobe's Clinical Hematology, (14th Edition), (Greer, et al.).</li> <li>9. Clinical Laboratory Science, Mary Louise Turgeon.</li> <li>10. Tille, P. (2013). Bailey &amp; Scott's Diagnostic Microbiology (13th ed.). Mosby</li> <li>11. Bishop, M. L., Fody, E. P., &amp; Schoeff, L. E. (2010). Clinical Chemistry: Techniques, principles, correlation (6th ed.). Lippincott Williams &amp; Wilkins.</li> <li>12. Harmening D.M.(2012). Modern Blood Banking &amp; Transfusion Practices.6th Ed.Philadelphia, PA: F.A.Davis Company.</li> <li>13. Bancroft's Theory and Practice of Histological Techniques (8th Edition), Suvarna, Layton, Bancroft.</li> <li>14. Todd, I., Spickett, G., &amp; Fairclough, L. (n.d.). Lecture Notes: Immunology (7th ed.). Wiley.</li> <li>15. Rodak, B. F., &amp; Carr, J. H. (n.d.). Clinical Hematology Atlas (5th ed.). Elsevier.</li> </ol>	
<ol style="list-style-type: none"> <li>1. Nuclear Medicine and PET/CT: Technology and Techniques 7th Edition, by Paul E. Christian &amp; Kristen M. Waterstram-Rich. ISBN-10: 0323071929</li> <li>2. Sonography Principles and Instruments 9th Edition, by Frederick W. Kremkau. ISBN-10: 0323322719</li> <li>3. Basic Radiation Protection Technology 6th Edition, by Daniel A Gollnick. ISBN-10: 0916339149</li> <li>4. Chesneys Radiographic Imaging 6th Edition, by Jhon Ball &amp; Tony Price. ISBN: 978-0-632-03901-2</li> <li>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: 978-0-632-02724-8</li> <li>6. Essentials Of Ultrasound Physics 1st Edition, by James A. Zagzebski. ISBN-10: 0815198523</li> <li>7. Clinical Sonography: A Practical Guide 5th Edition, by Roger C. Sanders, ISBN-10: 1451192525</li> <li>8. MRI in Practice 5th Edition, by Catherine Westbrook, John Talbot ISBN-10: 1119391962</li> <li>9. CT Imaging: Practical Physics, Artifacts, and Pitfalls, by Alexander C. Mamourian. ASIN: B01JXRVUPY</li> <li>10. Cross Sectional Anatomy CT &amp; MRI 1st Edition, by Govind B. Chavhan &amp; Jankharia Bhavin. ISBN-10: 9350250462</li> <li>11. Clark's Positioning in Radiography 13th Edition by A. Stewart Whitley ISBN-10: 149875693X</li> <li>12. Essential Physics of Medical Imaging, by Jerrold Bushberg. 3rd Edition. ISBN: 9780781780575</li> <li>13. 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.</li> </ol>	<p><b>Radiology Technologist</b></p>



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<ol style="list-style-type: none"> <li>1. Prevention Practice A Physical Therapist's Guide to Health Fitness and Wellness, Catherine Rush Thompson, Latest Edition.</li> <li>2. Therapeutic Exercise Foundations and Techniques by Carolyn Kisner, Latest Edition.</li> <li>3. Tidy's Physiotherapy, Latest Edition.</li> <li>4. Clayton's Electrotherapy and Actinotherapy, Latest Edition.</li> <li>5. Physiotherapy Secrets, PP Mohanty &amp; Monalisa Pattnaik.</li> </ol>	<b>Physiotherapist</b>
<ol style="list-style-type: none"> <li>1. EMT Complete: A Basic Work text</li> <li>2. Mosby's EMT-Basic Textbook</li> <li>3. Emergency Care and Transportation of the Sick and Injured.</li> </ol>	<b>Basic Paramedic</b>
<ol style="list-style-type: none"> <li>1. ACLS manual</li> <li>2. BLS manual</li> <li>3. Brady's Paramedic Textbook</li> <li>4. Emergency Care in the Streets (Nancy Caroline)</li> <li>5. Mosby's Paramedic Textbook</li> <li>6. PALS manual</li> <li>7. PHTLS manual or ITLS manual</li> </ol>	<b>Paramedic</b>
<ol style="list-style-type: none"> <li>1. Modern Dental Assisting, D.L.Bird; and D.S. Robinson, Published by Elsevier, Latest Edition.</li> </ol>	



<ol style="list-style-type: none"> <li>2. In Practice Training Program for Dental Assistants, by the British Dental Journal, Edited by M. Seward, Latest Edition.</li> <li>3. Complete Review of Dental Assisting, Prentice Hall Health, Emily Andujo, Latest Edition.</li> <li>4. Pearson's Comprehensive Dental Assisting, Tyler, Lori, Pearson, Latest Edition.</li> <li>5. Infection Control and Management of Hazardous Materials for the Dental Team, Millar and Palenik, Latest Edition.</li> </ol>	<b>Dental Assistant</b>
<ol style="list-style-type: none"> <li>1. Clinical Practice of the Dental Hygienist. E.M. Wilkins; Lippincott Williams and Wilkins, Latest Edition</li> <li>2. Fundamentals of Periodontal Instrumentation. Nield-Gehring J.S., Lippincott Williams and Wilkins, Latest Edition</li> <li>3. Dental Hygiene: Theory and Practice, Darby and Walsh, Latest Edition</li> <li>4. Competence Cases in Dental Hygiene. Danial, Harest, Wilder, Latest Edition</li> <li>5. Comprehensive Review of Dental Hygiene, Mosby's, Michele Leonardi Darby, Latest Edition</li> <li>6. Patient Assessment Tutorials. Nield-Gehring J.S., Lippincott Williams and Wilkins, Latest Edition</li> </ol>	<b>Dental Hygienist</b>
<ol style="list-style-type: none"> <li>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.</li> <li>2. McCracken's Removable Partial Prosthodontics, by Glen P. McGivney, Alan B. Carr, William L. McCracken, Publisher: Mosby-Year Book, Latest Edition.</li> <li>3. Phillips' Science of Dental Materials, by By Kenneth J Anusavice, DMD, PhD, Publisher: WB Saunders, Latest Edition.</li> <li>4. Dental Anatomy: Its Relevance to Dentistry, by J B Woelfel and Sheid , Publisher: Lippincott, Williams and Wilkins, Latest Edition.</li> <li>5. Complete Dentures: From Planning to Problem Solving by P. Finbarr Allen, Scan McCarthy, Quintessence, Latest Edition.</li> <li>6. Orthodontics: Current Principles and Techniques by T M Graber and R L Vanarsdall, Publisher: Mosby, Latest Edition.</li> <li>7. Basic Infection Control for Healthcare Providers [ILLUSTRATED], by Michael Kenamer. Delmar Thomson learning, Inc., Latest Edition.</li> <li>8. Contemporary fixed prosthodontics (fifth edition) by rosenstiel, Land &amp; Fujimoto.</li> <li>9. Implant Laboratory Procedures: A step-by-step Guide, by Carl Drago and Thomas Peterson, Latest Edition.</li> <li>10. Fundamentals of Facial Prosthetics, by Robert E McKinstry, Latest Edition.</li> <li>11. Techniques in complete Denture Technology, by Tony Johnson Duncan J. Wood.</li> <li>12. Basics of Dental Technology A Step by Step Approach (Second Edition), Tony Johnson, David G Patrick, Christopher W. Stokes, David G. Wildgoose, Duncan J Wood.</li> <li>13. Introduction to Dental materials (fourth edition) by Richard Van Noort.</li> </ol>	<b>Dental Lab Technician</b>