

PROMETRIC

TEST CENTER



المجلس العماني للإختصاصات الطبية  
OMAN MEDICAL SPECIALTY BOARD

## Radiology Technician

Nature and Content of Test		
Content		Relative Percentage
<b>Topics:</b>		
Radiographic Technique	Upper Limbs Radiography	25%
	Lower Limbs Radiography	
	Skull Radiography	
	Vertebrae Radiography	
	Chest and Abdomen Radiography	
	General Radiography Terms & Positioning	
Anatomy and Radiographic Anatomy	Human Body Landmarks	18%
	Anatomy of Skeletal System	
	Radio-Anatomy of Alimentary Tract	
	Liver and Biliary Tract	
	Chest and Heart	
	Anatomy of Urinary System	
Fluoroscopy and Contrast Media	Types and Uses of Contrast Media	15%
	Operation of Fluoroscopy Unit	
	Contrast Media Examinations for Gastrointestinal Tract	
	Contrast Media Examinations for Urinary Tract	
	Examinations of the Biliary System	
Image Recording	Types and Uses of X-ray Films	10%
	Intensifying Screens	
	Film Processing	
	Quality of Radiograph	
	Recording System	
	Dark Room	
Radiation Physics and Protection	Electromagnetic Radiation	12%
	The Interaction of X-ray with Matter	
	Radiation Measurement and Units	

	The Principle of Radiation Protection	
	Patient Protection in Radiology Department	
	Protection of Personnel in Radiology Department	
X-ray Equipment	Components of X-ray Machines	10%
	X-ray Tubes	
	Principles of Electricity	
	The X-ray Table and Control Panel	
Accidents and Emergency Radiography	Injuries and Fractures (Types and Management)	10%
	Shocks (Types and Management)	
	Acute Medical Conditions	
	Head and Spine Injuries	
	Dealing with Emergency Patient	
<b>Total</b>		<b>100%</b>

#### Test References

1. Comprehensive Review for the Radiologic Technologist: Third Edition. Matthew Stevens, Robert I. Phillips.
2. Clarke, K.C.; Positioning in Radiography, Volume 1; Heinemann M. books, U.K.
3. Bontrager, Kenneth L.; Text book of Radiographic Positioning and Related Anatomy. Mosby.
4. An Atlas of Radiological Anatomy. Weir, J. & Abrahams, Churchill Livingstone.