SAUDI RESIDENCY TRAINING PROGRAM

RADIOLOGY TECHNOLOGY

Final Written Examination

Examination Format:

A Saudi board final specialty written examination shall consist of two papers each with 100-125 single best answer Multiple Choice Questions (MCQs). Up to 10% unscored MSQscan be added for calibration purposes.

Passing Score:

The passing score is 70%. However, if the percentage of candidates passing the examination before final approval is less than 70%, the passing score must be lowered by one mark at a time aiming at achieving 70% passing rate or 65% passing score whichever comes first. Under no circumstances can the passing score be reduced below 65%.

Suggested References:

Diagnostic Ultrasound
1. Textbook of Diagnostic Sonography, 8th Edition - December 27, 2016, by Author: Sandra Hagen-Ansert. 2 Volume. Hardcover ISBN: 9780323353755. eBook ISBN: 9780323441889
2. Understanding Ultrasound Physics, 4th Edition – 2012 – by Sidney K. Edelman
3. Introduction to Vascular Ultrasonography: Expert Consult - Online and Print 7th Edition by John Pellerito MD , Joseph F Polak MD MPH
4. Inside Ultrasound: Vascular Reference Guide 1st Edition by Gail P. Size

Nuclear Medicine
1. Physics in Nuclear Medicine by Simon R. Cherry and James A.Sorenson
2. European Nuclear Medicine Guide 2020 Edition
3. Essentials of Nuclear Medicine and Molecular Imaging
4. Fundamentals of Nuclear Pharmacy for Saha, Gopal. Seventh Edition 2017

CT/MRI
1. Computed Tomography for Technologists: A Comprehensive Text, 2018, by Lois E. Romans. Lippincot Williams & Wilkins.
2. Computed Tomography: Physical Principles, Clinical Applications, and Quality Control. Paperback, 3rd Edition, by Euclid Seeram. Saunders.
3. Computed Tomography for Technologists: Exam Review. Paperback, 1st edition, by Lois E. Romans. Lippincott Williams & Wilkins.
4. Imaging Atlas of Human Anatomy 6th Edition (Weir & Abrahams').
5. CT & MRI Pathology: A Pocket Atlas. Paperback, 1st edition, by Michael L. Grey and Jagan M. Ailinani. McGraw-Hill Education
6. Ctisus.com
7. Mdct.com.au
8. MRI in Practice, Paperback, 5th eidition, by Catherine Westbrook. Wiley-Blackwell.
9. MRI Parameters and Positioning, Paperback, 2nd dition, by Torsten B. Möller. TPS.
10. CT & MRI Pathology: A Pocket Atlas. Paperback, 1st edition, by Michael L. Grey and Jagan M. Ailinani. McGraw-Hill Education

11. MRI from picture to proton by Donald W. McRobbie, 2nd edition
12. Handbook of MRI Technique, 5th edition by Catherine Westbrook.

Note:

This list is intended for use as a study aid only. SCFHS does not intend the list to imply endorsement of these specific references, nor are the exam questions necessarily taken solely from these sources.

Blueprint Outlines:

Diagnostic Ultrasound:

No.	Sections	Percentage
1	Physics, Instruments, and Artifacts	13%
2	Bioeffect	5%
3	Upper and Lower Abdomen	18%
4	Liver and Kidneys Transplanted	5%
5	Ob/Gyn Procedures	7%
6	Cerebrovascular & TCD Procedures	6%
7	Upper and Lower Peripheral Arteries	5%
8	Upper and Lower Peripheral Veins	5%
9	Breast	5%
10	Small parts (Neck & Scrotum)	10%
11	Musculoskeletal	5%
12	Gastrointestinal and Abdominal Wall	5%
13	Neonatal Head	5%
14	Advanced procedures (e.g. elastography & contrast imaging)	6%
Total		**100%**

MRI and CT:

No.	Sections	Percentage
1	Physics & Instrumentation	12%
2	Radiation Safety & MR Safety	10%
3	Head & Neck	12%
4	Spine	10%
5	Vascular Imaging	10%
6	Body	10%
7	Musculoskeletal	10%
8	Breast	7%
9	Advance Technique	6%
10	Image Artifact	6%
11	Postprocessing	7%
Total		100%

Nuclear Medicine:

No.	Sections	Percentage
1	Physics and Instruments	15%
2	Radiopharmacy Lab (Hot Lab)	28%
3	SPECT-CT Procedures	11%
4	Conventional Procedures WB + Statics + Dynamic	12%
5	Therapy	11%
6	Cardiac Procedures	11%
7	PET-CT	12%
Total		100%

Note:

- Blueprint distributions of the examination may differ up to +/-5% in each category.

- Percentages and content are subject to change at any time. See the SCFHS website for the most up-to-date information.

- Research, Ethics, Professionalism and Patient Safety are incorporated within various domains.