



Saudi Licensing Examinations

Medical Devices - Technician Blueprint

Blueprint outlines

Evaluation Item	Sections	Percentage (%)
(150 MCQs, 3 hours)	1. Biomedical Equipment Technology	15%
	2. Electronics and Electricity	15%
	3. Anatomy and Physiology	10%
	4. Mathematics	5%
	5. Physics	5%
	6. Chemistry	5%
	7. Professionalism	10%
	8. Practical Experience	10%
	9. Patient Safety, Electrical Safety and Hazards	20%
	10. Regulation and Standards	5%
Total		100%

Note:

Test specifications and content have been reviewed and updated, therefore pass rates are adjusted accordingly.

Passing Score: 55%

This applies for any test conducted as of June 21, 2022 and beyond

- 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.



References:

- 1- Webster J. *Medical Instrumentation: Application and Design*. Wiley & Sons: USA. 4th (or latest) edition.
- 2- Aston R. *Principles of Medical Instrumentation: and Measurements*. Prentice Hall: USA. 1st (or latest) edition.
- 3- Carr J and Brown J. *Introduction to Biomedical Equipment Technology*. John Wiley & Sons: Australia, Limited, 4th (or latest) edition.
- 4- Suetens P. *Fundamentals of Medical Imaging*. Cambridge Un. Press: Cambridge, UK. 3rd (or latest) edition.
- 5- Van Zyl S. *Basic Electrical Engineering*. Lerato: South Africa. 5th (or latest) edition.
- 6- Floyd T. *Digital Fundamentals*. Pearson: England, UK. 11th (or latest) edition
- 7- Schultz M. *Grob's Basic Electronics*. McGraw-Hill: NY, USA. Latest edition.
- 8- Marieb E. *Essentials of Human Anatomy and Physiology*. Pearson: England, UK. 10th (or latest) edition.
- 9- Widmaier E, Raff H, and Strang K. *Vander's Human Physiology: The Mechanics of Body Function*. McGraw-Hill: NY, USA. 13th (or latest) edition.
- 10- Coburn J. *Precalculus*. McGraw-Hill: NY, USA. 13th (or latest) edition.
- 11- Sullivan M. *Precalculus*. Pearson: England, UK. 9th (or latest) edition.
- 12- Stewart J. *Calculus: Metric Version*. Cengage Learning: MA, USA. 8th (or latest) edition.
- 13- Paul. Online Notes: Calculus- Integrals. 2019. retrievable from:
<http://tutorial.math.lamar.edu/Classes/Calcl/IndefiniteIntegrals.aspx>
- 14- Vasudeva A. *Modern Engineering Physics*. S. Chand & Co.: New Delhi, India. Revised edition.
- 15- Ryan L and Norris R. *Chemistry Course book*. Cambridge Un. Press: Cambridge, UK. 2nd (or latest) edition.

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.