



SAUDI DIPLOMA TRAINING PROGRAM

CARDIAC PERFUSION

Final Written Examination

Written Examination:

Exam Format:

The Saudi subspecialty fellowship and diplomas final written examination shall consist of one paper with 80-120 multiple-choice questions (single best answer out of four options). 10% unscored items can be added for pretesting 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:

1. Gravlee G, Davis E, Hammon J, Kussman B. Cardiopulmonary Bypass: Principles and Practice. 4th Ed. Lippincott Williams & Wilkins, 2015.
2. Matte G. Perfusion for Congenital Heart Surgery: Notes on Cardiopulmonary Bypass for a Complex Patient Population. 2nd Ed. Wiley-Blackwell, 2022.
3. ELSO. The ELSO Red Book: On Extracorporeal Life Support. 6th Ed. Extracorporeal Life Support Organization, 2022.
4. Gregory A, Vercaemst L. Mechanical Circulatory Support: A Guide for Clinicians. 1st Ed. Springer, 2023.
5. Wernovsky G, et al. Anderson's Pediatric Cardiology. 4th Ed. Elsevier, 2019.
6. SCFHS. Healthcare Code of Ethics and Professionalism. Current Edition.
7. The Journal of ExtraCorporeal Technology (JECT). Selected review articles 2023–2026.

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.





Final Written Exam Blueprint Outlines:

No.	Sections	Percentage
1	Advanced Management of Adult CPB & Complex Comorbidities	12%
2	Pediatric and Neonatal Perfusion: Physiology and Conduct	15%
3	Extracorporeal Membrane Oxygenation (ECMO) - VA & VV	14%
4	Long-term Mechanical Circulatory Support (VADs and IABP)	10%
5	Perfusion Emergencies and Crisis Resource Management	12%
6	Deep Hypothermic Circulatory Arrest and Aortic Surgery	8%
7	Advanced Anticoagulation (Resistance & Alternatives)	7%
8	Special Populations (Pregnancy, Sickle Cell, Cold Agglutinins)	7%
9	Quality Improvement, Research Methodology, and Bioethics	8%
10	Clinical Governance and Professional Perfusion Practice	7%
Total		100%

Notes:

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

