

SAUDI DIPLOMA TRAINING PROGRAM

BLOOD BANKING AND TRANSFUSION

Promotion Examination

Written Examination Format:

- A written examination shall consist of one paper with not less than 100 MCQs with a single best answer (one correct answer out of four options). Up to 10% unscored items can be added for pretesting purposes.
- The examination shall contain type K2 questions (interpretation, analysis, reasoning and decision making) and type K1 questions (recall and comprehension).
- The examination shall include basic concepts and clinical topics relevant to the specialty.
- Clinical presentation questions include history, clinical finding and patient approach. Diagnosis and investigation questions; include the possible diagnosis and diagnostic methods. Management questions; including treatment and clinical management, either therapeutic or nontherapeutic, and complications of management. Materials and Instruments questions; including material properties, usage, and selection of instruments and equipment used. Health maintenance questions; include health promotion, disease prevention, risk factors assessment, and prognosis.

Passing Score:

The trainee's performance is assessed in each of the evaluation formulas according to the following scoring system:

Score	Less than 50%	50% – 59.4%	60% - 69.4%	More than 70%
Description	Clear Fail	Borderline Fail	Borderline Pass	Clear Pass

1. To upgrade the trainee from a training level to the next level, She/he must obtain at least a **Borderline Pass** in each evaluation form.
2. The program director may recommend to the local supervision committee to request the promotion of the trainee who did not meet the previous promotion requirement according to the following:
 - A. In case that the trainee gets a **borderline Fail** result in **one** of the evaluation forms, the remaining evaluation forms must be passed with **Clear Pass** in at least **one** of them.
 - B. In case that the trainee gets a **borderline Fail** result in **two** of the evaluation forms to a maximum, provided they do not fall under the same theme (Knowledge, Attitude, Skills). The remaining evaluation forms must be passed with **Clear Pass** in at least **two** of them.
 - C. The promotion must be approved in this case by the Scientific Council for the specialization.


Blueprint Outlines:

No.	Section	Proportion
1	Blood Donor Management	20%
2	Apheresis Procedures	10%
3	Blood Components	20%
4	Transfusion-transmitted diseases (TTD)	15%
5	Basic Immunohematology	15%
6	Advanced Immunohematology	20%
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.



Suggested References:

1. Harmening, D.M. (2019). Modern Blood Banking and Transfusion Practices (7th ed.). Philadelphia, PA: F.A.Davis Company.
2. Fung MK, Eder AF, Spitalnik SL, Westhoff CM (eds). Technical Manual. 19th. Bethesda, MD: AABB Press

Crash Courses:

Outline of each course including suggested reading references given by the provider.

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.

EXAMPLE OF K2 QUESTIONS
Question 1

A 51-year-old woman presented to Oncology Department with a history of bleeding and ABO discrepancy. Doctor requested blood type test. Her ABO results had a discrepancy as shown in following blood bank tests:

Blood Bank Test-1:

ABO Results			
Forward grouping (Patient Cells)		Reverse grouping (Patient Plasma)	
Anti-A	Anti-B	A1 cells	B cells
4+	0	1+	4+

Blood Bank Test-2:

Anti-A1 Lectin test		
Anti-A	Anti-A1 Lectin	Control
4+	0	0

What is the most likely ABO discrepancy?

- A. A2 Blood Group
- B. Bombay Blood group
- C. A2 Blood Group with anti-A1
- D. A1 Blood Group with anti-A1