



## SAUDI DIPLOMA TRAINING PROGRAM

### CRITICAL RESPIRATORY CARE

#### 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 Outline:

No.	Sections	Percentage
1	Patient Assessment in Critical Care	10
2	Laboratory Diagnostics, Chest Radiological Studies	10
3	Pulmonary Diseases in Critical Care	10
3	Basic Approach and Management of Mechanical Ventilation	15
5	Advance Management of Mechanical Ventilation in Critical Care	20
6	Respiratory Care Management in Adult Emergencies	10
7	Adult Airway Management	10
8	Pharmacology in Critical Care Settings	10
9	Communication	5
<b>Total</b>		<b>100%</b>

### Notes:

- 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. Mosby's Respiratory Care Equipment, 10th Edition, by J. M. Cairo.
2. Equipment Theory for Respiratory Care, 5th Edition by Gary White
3. Egan's Fundamentals of Respiratory Care 12th Edition
4. Wilkins' Clinical Assessment in Respiratory Care 8th Edition.
5. Cairo J. M.: Mosby's Respiratory Care Equipment. latest edition. By Mosby.
6. Clinical manifestations and assessment of respiratory disease (latest edition)  
Jardins, T., & Burton, G. Maryland Heights, Mo.: Mosby/Elsevier.
7. Pilbeam's Mechanical Ventilation: Physiological and Clinical Applications, 7th Edition, by J. Cairo
8. Rau's Respiratory Care Pharmacology, 10th Edition, by Douglas S. Gardenhire
9. Clinical Application of Mechanical Ventilation 4th Edition, David W. Chang
10. Integrated Cardiopulmonary Pharmacology, 5th Edition by Bruce Colbert, Luis Gonzalez
11. Respiratory Care Calculations 4th Edition by Chang, David W.

### **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.

