Board of Medical Technology

Resolution No. 15 Series of 1996
Revising Board Resolution No. 02, S. 1994

In accordance with the policies and directives of the Professional Regulation Commission on licensure examinations, the Board promulgated on January 17, 1994 Resolution No. 02 entitled “SYLLABI FOR, AND GUIDELINES IN THE PREPARATION OF QUESTIONS IN THE SUBJECT OF THE MEDICAL TECHNOLOGY LICENSURE EXAMINATION.”

A close examination of the topics or items pertaining to each of the Board subjects in Medical Technology and their corresponding weight in percent would show that there is a need:

1. To identify or denominate the item or items that should be represented by the catchword “Others” (6.1.11; 6.4.2.5; 6.5.2.4 and 6.6.11) and give their corresponding weight in percent to ensure that the questions will come from a known source;
2. To reduce the weight of some items and distribute the same to some other items under a particular subject or topic in order to maintain a reasonable balance between and among items in terms of weight;
3. To subdivision one topic into sub-topics (6.2.2 and 6.6.5) and give their corresponding weight to let it be known that the questions in “Clinical Chemistry Proper” would come from definite sources with their corresponding weights;
4. To change the nomenclature of some of the items to conform with the nomenclature of the same under the present curriculum and;
5. To spell out the abbreviations in some of the items for clarity. In fine, the revision is aimed at improving the guidelines and making known the topics or items from which the questions will come to be fair to those who will take the licensure examinations.

WHEREFORE, the Board RESOLVED to revise Board Resolution No. 02, S. 1994 by adopting the revisions and/or changes incorporated and indicated by the underscored or underlined topics or items including the weight in percent in the revised guidelines appended to this Resolution as Annex “A”. The Guidelines appended to Resolution No. 02, S. 1994 is hereby superseded by this Revised Guidelines appended to this Resolution. This Resolution shall after its approval by the Commission, take effect after fifteen (15) days from its publication in the Official Gazette or any newspaper of general circulation, whichever is earlier. The revised guidelines shall be used for purposes of licensure examination only after the lapse of six (6) months from date of effectivity. Let copies of this Resolution be furnished the deans of schools, colleges and universities, public and private, offering course/s in Medical Technology as well as to the Presidents of the APOs and Non-APOs for dissemination to concerned individuals and/ or sectors.

Done in the City of Manila this 4th day of June, 1994.

ARSENIO C. CANTOS, M.D.
Chairman

GLORIA N. DACER
Member

JOSEPHINE C. MILAN
Member

Attested:

CARLOS G. ALMELO
Secretary, Professional Regulatory Commission

Approved:

HERMOGENES P. POBRE
Commissioner

ALFONSO G. ABAD
Associate Commissioner

ROSALINDA D. EVANGELISTA
Associate Commissioner
1. Six Board subjects corresponding weights:
   1. Hematology ..................................................... 20%
   2. Microbiology and Parasitology ........................ 20%
   3. Clinical Chemistry ........................................... 20%
   4. Blood Banking & Serology ............................... 20%
   5. Clinical Microscopy ........................................ 10%
   6. Histopathologic techniques & Med. Tech. Laws ........................................... 10%

2. For the major subjects (Hematology, Clinical Chemistry, Blood Banking and Serology, Microbiology and Parasitology) 100 multiple choice questions; for the minor subjects (Histopathologic techniques & Med. Tech. Laws and Clinical Microscopy) 100 multiple choice questions.

3. Topic Classification and Corresponding Percentage
   3.1 “Nice to Know” .............................................. 10%
   3.2 “Desirable or Useful to Know” ......................... 30%
   3.3 “Must Know” ................................................. 60%

4. Item Classification According to “Difficulty”to and Corresponding Percentage
   4.1 Hard .............................................................. 15%
   4.2 Average (Moderate) ...................................... 50%
   4.3 Easy ............................................................... 35%

5. Understanding Topic and Item Classification
   5.1 “Nice to Know” - recent advances in technology and historical data of the topic
   5.2 “Desirable to Know” - basic information/concepts/principles
   5.3 “Must Know” - basic knowledge and skills of day to day practice of the profession
   5.4 Easy - recall questions
   5.5 Average (moderate) - recall, problem solving, interpretative question.
   5.6 Hard - problem solving, interpretative and analytical questions.

   TOPIC %
   *Must Know*60%
   *Desirable or Useful to Know*30%
   *Nice to Know*10%

   ITEM DIFFICULTY “Easy”“Ave”“Hard”

6. Assigned percentage per given unit of a Board subject
   6.1 Clinical Microscopy
      6.1.1 Urine .................................................... 40%
      6.1.2 Feces ................................................... 10%
      6.1.3 Seminal Fluid .........................................8%
      6.1.4 CSF ...................................................... 10%
      6.1.5 Transudate & Exudate .................................8%
      6.1.6 Synovial Fluid ........................................2%
      6.1.7 Amniotic Fluid ........................................5%
      6.1.8 Gastric fluid & Duodenal drainage ...............4%
      6.1.9 Sputum ..................................................5%
      6.1.10 Bronchial washings ................................2%
      6.1.11 Peritoneal, Pleural, Pericardial fluid ..........5%
      6.1.12 Quality Control .................................... 4%

      6.2.1 Histopathologic techniques ................. 85%
      6.2.1.1 Tissue Processing .................... 40%
      6.2.1.2 Cytology ...................................... 10%
      6.2.1.3 Staining ...................................... 20%
      6.2.1.4 Autopsy ..................................... 5%
      6.2.1.5 Special procedures ................... 5%
      6.2.1.6 Clerical/Logging ......................... 5%
20 30 10
10 15 5
5 5 0

6.2.2 Med. Tech. Laws, Related Laws and Code of Ethics................................ 15%
Med. Tech. Laws.................................. 10%
Related Laws .................................. 3%
Code of Ethics................................ 2%

6.3 Hematology
6.3.1 Blood collection, anticoagulants ................................... 10%
6.3.2 Cell counts: rbc, wbc, platelet, reticulocytes .................... 30%
6.3.3 Blood tests: hemoglobin, hematocrit, etc. ....................... 15%
6.3.4 Cell morphology: normal and abnormal: peripheral blood, bone marrow ...................................................... 20%
6.3.5 Coagulation tests: BT, CT, Prothrombin time, RBC fragility tests, etc. ...................................................... 15%
6.3.6 Special tests .................................................. 5%
6.3.7 Quality control .................................................. 5%

6.4 Microbiology/Parasitology
6.4.1 Microbiology .................................................. 70%
Bacteria 80%, Fungi 5%, Viruses 10%, Rickettsiae 5%
6.4.1.1 Collection .................................................. 10%
6.4.1.2 Preparation and Staining .................................. 15%
6.4.1.3 Culture and Identification .................................. 40%
6.4.1.4 Sensitivity .................................................. 10%
6.4.1.5 Media Preparation ......................................... 10%
6.4.1.6 Sterilization .................................................. 5%
6.4.1.7 Water, food, milk and utensils .................................. 5%
6.4.1.8 Quality Control ............................................. 5%
6.4.2 Parasitology .................................................. 30%
6.4.2.1 Life Cycle .................................................. 10%
6.4.2.2 Morphology .................................................. 50%
6.4.2.3 Tests ......................................................... 25%
6.4.2.4 Fecal ......................................................... 10%
6.4.2.5 Blood and Tests ............................................ 5%

6.5 Blood Banking and Serology
6.5.1 Blood Banking .................................................. 50%
6.5.1.1 Typing and Cross matching Antiglobulin test .................. 20%
6.5.1.2 Blood types .................................................. 20%
6.5.1.3 Genetics: Principles and Testing ................................ 5%
6.5.1.4 Blood storage and Transport .................................. 10%
6.5.1.5 Donor recruitment and Bleeding ............................... 15%
6.5.1.6 Blood components ......................................... 15%
6.5.1.7 Transfusion practice ........................................ 10%
6.5.1.8 Special procedures (Elution, etc.) .............................. 5%
6.5.2 Serology ......................................................... 50%
6.5.2.1 The immune system ......................................... 20%
6.5.2.2 Antigen, Antibodies complement, HLA ...................... 20%
6.5.2.3 General principles .......................................... 10%
6.5.2.4 Methods, procedures and interpretation ..................... 45%
6.5.2.5 Updates (HIV Tests, etc.) ................................... 5%

6.6 Clinical Chemistry
6.6.1 Specimen collection ............................................ 5%
6.6.2 Instrumentation and calibration .................................. 5%
6.6.3 Reagent preparation and Laboratory math ......................... 5%
6.6.4 Quality Control ............................................... 10%
6.6.5 Clinical Chemistry proper ...................................... 50%
6.6.5.1 Biochemistry ............................................... 10%
6.6.5.2 Principles and Methods .................................... 20%
6.6.5.3 Interpretation ................................................ 10%
6.6.5.4 Normal values (SI units) .................................... 10%
6.6.6 Endocrinology and Toxicology .................................. 10%
6.6.7 Blood gas analysis ............................................. 10%
6.6.8 Laboratory safety .............................................. 5%
100%