

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 subdivide 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 The Guidelines appended to Resolution No. 02, S. 1994 is hereby superseded by this Revised Guidelines appended to this Resolution.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. ALMELOR
Secretary, Professional Regulatory Commission

Approved:

HERMOGENES P. POBRE
Commissioner

ALFONSO G. ABAD
Associate Commissioner

ROSALINDA D. EVANGELISTA
Associate Commissioner

Board of Medical Technology

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% 100% 35% 50% 15%

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 Fluid8%
 - 6.1.4 CSF 10%
 - 6.1.5 Transudate & Exudate.....8%
 - 6.1.6 Synovial Fluid2%
 - 6.1.7 Amniotic Fluid.....2%
 - 6.1.8 Gastric fluid & Duodenal drainage.....4%
 - 6.1.9 Sputum5%
 - 6.1.10 Bronchial washings2%
 - 6.1.11 Peritoneal, Pleural, Pericardial fluid5%
 - 6.1.12 Quality Control4%

 - 6.2 Histopathologic techniques, Med. Tech. Laws, Related Laws & Code of Ethics
 - 6.2.1 Histopathologic techniques 85%
 - 6.2.1.1 Tissue Processing 40%
 - Routine 30%
 - Special 10%
 - 6.2.1.2 Cytology 10%
 - 6.2.1.3 Staining 20%
 - Routine 15%
 - Special 5%
 - 6.2.1.4 Autopsy5%
 - 6.2.1.5 Special procedures5%
 - 6.2.1.6 Clerical/Logging5%

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,	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%