## National Medication Aide Certification Examination (MACE®) Content Outline

The MACE examination is comprised of 60 multiple-choice items. Of these, 50 items are scored and 10 items are pretest (non-scored) items. Candidates will not be able to distinguish pretest items from scored items. Performance on pretest items does not affect a candidate's score.

Content Domain	Content Outline	
	Weighting of Content Domain (Percentage of Items)	Weighting of Content Domain (Number of Items)
I. Authorized Duties	16%	8
A. Building Relationships		
B. Delegation		
C. Role of MA-C (e.g., permitted duties, restrictions/limitations)		
D. Specific Legal and Ethical Issues		
E. Location and Use of Resources and References (e.g., nurse, pharmacist, physician, package/drug insert, drug reference manuals)		
II. Medication Administration, Observation and Reporting	60%	30
A. Administering and Charting Medications		
1. Medication Orders		
2. Documentation of Medication Administration		
3. Storage		
4. Disposal		
B. Safety and Rights of Medication Administration		
C. Routes of Administration		
D. Factors Affecting How the Body Uses Medication		
<ul> <li>E. Classifications/Categories of Medications Related to Body Systems and Actions (e.g., antimicrobials, cardiovascular, dermatological, endocrine)</li> </ul>		
F. Rights of Individuals		
G. Causes and Reporting of Medication Errors		
H. Reporting of Symptoms and Side Effects		
I. Reporting Any Change from Client's Normal Condition		
III. Medication Concepts and Measurements	24%	12
A. Medication Concepts		
1. Terminology and Abbreviations		
2. Dosage Range		
3. Actions and Implications		
<ol> <li>Therapeutic and Other Side Effects (e.g., idiosyncratic, paradoxical, antagonist)</li> </ol>		
5. Precautions		
6. Interactions		
B. Measurements		

