



**National League  
for Nursing**

**Nursing  
Acceleration Challenge Exam  
(ACE) II**

**Information Bulletin**

**OTACHI000P2B**

Copyright protected by the NLN

61 Broadway, 33rd Floor  
New York, NY 10006

[www.nln.org](http://www.nln.org)



# TABLE OF CONTENTS

<b><u>Contents</u></b>	<b><u>Page</u></b>
Introduction .....	<b>2</b>
Services Provided .....	<b>4</b>
Test Administration .....	<b>4</b>
Scoring Tests and Reporting Results .....	<b>5</b>
Limitations of Tests .....	<b>5</b>
Content Outlines	
Book One: <i>Care of the Adult Client</i> .....	<b>6</b>
Distribution of Questions by Content, Objectives, and Nursing Process Client .....	<b>8</b>
Book Two, Section I: <i>Care of the Client During Childbearing</i> .....	<b>9</b>
Distribution of Questions by Content, Objectives, and Nursing Process Client .....	<b>12</b>
Book Two, Section II: <i>Care of the Child</i> .....	<b>13</b>
Distribution of Questions by Content, Objectives, and Nursing Process Client .....	<b>15</b>
Book Three: <i>Care of the Client with a Mental Disorder</i> .....	<b>16</b>
Distribution of Questions by Content, Objectives, and Nursing Process Client .....	<b>17</b>
Item Writers.. .....	<b>18</b>
Experimental Administration Participants .....	<b>19</b>

# Acceleration Challenge Exam II

## Information Bulletin

### INTRODUCTION

The National League for Nursing (NLN) offers the Nursing Acceleration Challenge Exam (ACE) to facilitate educational mobility by providing educators with an instrument for diagnostic evaluation of the nursing knowledge of registered nurses seeking advanced placement in a baccalaureate nursing program. The ACE is designed to evaluate previous learning and experience. It is intended to assist faculty to establish credit and to make placement decisions about students already selected for admission to the program. ACE II is intended for associate degree and diploma graduates seeking placement in baccalaureate nursing education. Information from the ACE can be used as one component of the total evaluation of each individual.

ACE II RN to BSN includes four content areas in three test books. Book One is *Care of the Adult Client*; Book Two is *Care of the Client During Childbearing* and *Care of the Child*; and Book Three is *Care of the Client with a Mental Disorder*. Programs may elect to have students take any one of these books. A student may take Book One, either part or all of Book Two, or all three test books in the ACE II series.

Book One, *Care of the Adult Client*, includes content related to nursing care of individual clients who have deficiency in the delivery of oxygen to the cells; clients with problems in digestion, metabolism and providing nutrients to the cells; clients with impairment in sensorimotor function; and clients with dysfunction of the genitourinary and reproductive systems. *Care of the Adult Client* has 219 questions and is to be administered in a single four-hour session. The content outline for this ACE II test can be found on pages 5 and 6. *Note: The total number of questions for the alternate test versions may vary slightly.*

The first section of Book Two, *Care of the Client During Childbearing*, includes content related to nursing care during the antepartal, intrapartal, postpartal, and neonatal periods. There are 100 questions in the first section. The second section of Book Two, *Care of the Child*, includes content related to nursing care of the infant, the toddler and preschooler, and the school aged child and adolescent. There are 103 questions in the second section. The entire Book Two is to be administered in a single four-hour session. The content outline for these ACE II tests can be found on pages 7-11. *Note: The total number of questions for the alternate test versions may vary slightly.*

Book Three, *Care of the Client with Mental Disorder*, includes content related to nursing care of children and adults who have mental disorders. *Care of the Client with a Mental Disorder* has 132 questions and is to be administered in a single two-and-a-half hour session. The content outline for this ACE test can be found on pages 12 and 13. *Note: The total number of questions for the alternate test versions may vary slightly.*

Most of the questions in the ACE II are presented in case situations. The cases constitute a representative sample of health problems and conditions commonly encountered in nursing practice. The questions relate to the promotion, maintenance, and restoration of health. They emphasize normal findings, as well as deviations from normal, treatment modalities including drugs and nutrition, and nursing interventions. The division of the content reflects courses most commonly found in schools of nursing.

The ACE is designed to measure objectives derived from a thorough analysis of baccalaureate curricula and defined in consultation with a variety of nurse educators at this level. These objectives are:

- (A) The nurse will apply and demonstrate knowledge of the individual client's state of health that includes biological, psychological, and sociological status.
- (B) The nurse will apply and demonstrate knowledge of nursing measures appropriate for the care of clients.
- (C) The nurse will apply and demonstrate knowledge of drugs, including intended and unintended effects, used in the treatment of clients.
- (D) The nurse will apply and demonstrate knowledge of normal nutrition and therapeutic diets used in the treatment of clients.

Questions in the ACE II are written in the framework of the nursing process. For purposes of the ACE, the steps of the nursing process are defined as follows:

1. **Assessing** – includes collecting physical, emotional, and cultural data; recognizing signs, symptoms and behaviors.
2. **Analyzing** – includes interpreting data, identifying clients' needs and making nursing diagnoses.
3. **Planning** – includes setting goals, selecting measures for care, identifying correct techniques for giving care.
4. **Implementing** – includes responding appropriately to clients needing information and/or teaching.
5. **Evaluating** – includes recognizing intended and unintended effects of measures and treatments, determining evidence of the client's compliance with the treatment plan, and determining evidence of the client's response to measures and treatment.

Faculty within a nursing program are responsible for determining the appropriateness of one or more of the ACE II tests for the specific program. The content outline and sample questions included in this manual can be useful to you in making this decision.

Each program determines the credit to be given for acceptable performance on an ACE II test. NLN is not involved in this procedure, nor does NLN establish a "passing" or "failing" mark on these tests. Each nursing program is encouraged to set its own performance standards by matching an ACE II test with a specific course or course sequence and determining acceptable test performance commensurate with acceptable performance of students already enrolled in the program.

## SERVICES PROVIDED

Users of this test will be provided with test booklets, answer sheets, and directions for administration. NLN Assessment and Evaluation also provides the scoring of answer sheets and reporting of test results with interpretive materials to the authorized program and the examinee.

## TEST ADMINISTRATION

ACE II is administered by faculty at individual schools of nursing. Any official representative of the school or program may be designated as examiner and authorized to administer the tests. Examiners must provide No. 2 pencils with erasers to record their answers on the scannable answer sheet. Examinees may wish to have a small supply of No. 2 pencils on hand in case of emergencies.

It is suggested that the tests be administered in a one-and-a-half day session to be scheduled by faculty at participating schools of nursing.

Day #1 Morning Session (4 hours)

Book One, *Care of the Adult Client*

Day # 1 Afternoon Session (2 ½ hours)

Book Three, *Care of the Client With Mental Disorder*

Day #2 Morning Session (4 hours)

Book Two, *Care of the Client During Childbearing and Care of the Child*

## SCORING TESTS AND REPORTING RESULTS

All answer sheets must be returned for scoring. It is customary for scores to be reported within two business days following receipt of answer sheets, unless overnight priority scoring was requested. Two copies of the performance report are sent to the nursing program that administered the test; one copy is for the examinee. Priority scoring is available for an additional fee. Contact NLN Customer Support Center at (800) 669-9656 for details.

Total performance for each of the main content areas (*Care of the Adult Client*, *Care of the Client During Childbearing and Care of the Child*, and *Care of the Client with a Mental Disorder*) is reported in three different ways. The first is a decision score that is standardized based on—or equated to—the performance of students in generic baccalaureate nursing programs who tested in 1992-93. Decision scores are intended for use by faculty in making decisions about placement or awarding/denying specific course credits. These scores reflect the number of questions answered correctly; there is no penalty for guessing. The total (decision) score is a standard score with a mean of 100 and a standard deviation of 20. The second score, reflective of total performance, is a normalized percentile which indicates the percentage of individuals in a reference group who would customarily obtain lower decision scores. The third score is labeled advisory score and indicates the percentage of items answered correctly out of the total number of items scored. For comparison purposes, the median percent of items answered correctly by the norms group is also provided. Two copies of the report (one of which is for the examinee) are sent to the school. In addition to reporting scores for decision purposes, subscores for content and nursing process are reported to provide advisory information. Advisory scores indicate the percentage of questions answered correctly. This information is intended to supplement faculty evaluation of students and the student's own self-assessment of strengths and weaknesses.

Test scores are the property of NLN and are retained on file electronically for three years following the date of the test session. Duplicate copies of test reports are available during that period upon request of the examinee for \$25 per test report.

## LIMITATIONS OF TESTS

Like any test, the Acceleration Challenge Exam (ACE) is not a perfect measurement of achievement. Even “comprehensive” tests can only sample knowledge in a given field. Because of this, questions on a specific test may be more favorable to some examinees than to others. Errors in measurement may also be introduced by examinees. Individuals who are ill or extremely tired or nervous may not perform to the best of their ability. The ACE is not designed to point out health or personal factors that impinge upon educational success. These limitations should not be forgotten by those reviewing test performance whether for challenge or for other purposes.

## CONTENT OUTLINES

### Book One

*Care of the Adult Client* has 219 questions related to the care of clients who have a variety of health problems common in medical-surgical nursing. The questions examine the nurse's knowledge and application of facts and principles. The emphasis in each case situation is on pathophysiology and treatment modalities, including drugs, nutrition, and nursing interventions. The content and percentage of questions included in the major categories of health problems are presented below. Questions are sampled from these topics:

- I. Nursing care of the client who has a deficiency in the delivery of oxygen to the cells (22-28%).
  - A. Cardiac
    - 1. Angina Pectoris
    - 2. Myocardial Infarction
    - 3. Congestive Heart Failure
    - 4. Rheumatic Heart Disease
    - 5. Mitral Stenosis
    - 6. Heart Block
  - B. Vascular
    - 1. Aneurysms
    - 2. Thrombophlebitis
    - 3. Embolism
    - 4. Cerebrovascular Accident
    - 5. Varicose Veins
    - 6. Buerger's Disease
    - 7. Raynaud's Disease
    - 8. Arteriosclerosis
    - 9. Essential Hypertension
  - C. Pulmonary
    - 1. Chronic Pulmonary Disease
    - 2. Neoplasms
    - 3. Tuberculosis
    - 4. Asthma
    - 5. Acute Respiratory Infections
- II. Nursing care of the client who has a problem in digestion, metabolism, elimination, and providing nutrients to cells (30-35%).
  - A. Upper G.I. System
    - 1. Hiatus Hernia
    - 2. Peptic Ulcer
    - 3. Food Poisoning
    - 4. Regional Ileitis
    - 5. Gallbladder Disease
  - B. Large Bowel
    - 1. Appendicitis
    - 2. Diverticulitis
    - 3. Ulcerative Colitis
    - 4. Cancer of the Colon
    - 5. Hemorrhoids
    - 6. Anal Abscess
    - 7. Anal Fistula
    - 8. Pilonidal Cyst
  - C. Liver and Pancreas
    - 1. Cancer of the Liver
    - 2. Hepatitis
    - 3. Pancreatitis
    - 4. Cirrhosis
  - D. Metabolic Regulation
    - 1. Diabetes Mellitus
    - 2. Hyperthyroidism
    - 3. Hypothyroidism
    - 4. Addison's Disease
  - E. Blood
    - 1. Pernicious Anemia
    - 2. Nutritional Anemia
    - 3. Sickle Cell Anemia
    - 4. Leukemia
    - 5. Hodgkin's Disease
    - 6. Ruptured Spleen
  - F. Integumentary Conditions
    - 1. Herpes Zoster
    - 2. Contact Dermatitis
    - 3. Burns



III. Nursing care of the client with impairment in sensorimotor function (25-30%).

- A. Central Nervous System
  - 1. Brain Tumor
  - 2. Parkinson's Disease
  - 3. Convulsive Disorders
  - 4. Head Injury
  - 5. Meningitis
  - 6. Multiple Sclerosis
  - 7. Myasthenia Gravis
  - 8. Meniere's Syndrome
- B. Skeletal System
  - 1. Fractures
  - 2. Amputations
- C. Joint
  - 1. Rheumatoid Arthritis
  - 2. Osteoarthritis
  - 3. Gout
- D. Eye
  - 1. Detached Retina
  - 2. Cataracts
  - 3. Glaucoma
  - 4. Trauma
- E. Ear
  - 1. Otosclerosis
  - 2. Deafness
- F. Larynx
  - 1. Tumors and Neoplasms
- G. Nose
  - 1. Deviated Septum

IV. Nursing care of the client with dysfunction of the genitourinary and reproductive systems (15-20%)

- A. Female
  - 1. Uterine Fibroids
  - 2. Uterine Prolapse
  - 3. Pelvic Inflammatory Disease
  - 4. Endometriosis
  - 5. Ovarian Cyst
  - 6. Breast Cancer
- B. Male
  - 1. Benign Prostatic Hypertrophy
  - 2. Cancer of the Prostate
  - 3. Cancer of the Testes
- C. Venereal Disease
  - 1. Syphilis
  - 2. Gonorrhea
  - 3. Genital Herpes
- D. Kidney
  - 1. Glomerulonephritis
  - 2. Renal Calculi
  - 3. Renal Tumor
- E. Bladder
  - 1. Cystitis
  - 2. Tumors and Neoplasms

## Distribution of Questions by Content, Objectives, and Nursing Process

The information presented below shows the percentage allocation of questions in *Care of the Adult Client*. The content areas are from the above outline. The objectives and nursing process were defined on page 3 in this manual. Advisory scores are provided for each of the test's sub-categories and reflect the median percent correct score. These scores can be used as a basis from which you can better evaluate a student's performance in each of these sub-categories.

*Advisory scores are listed as "Norms Group, Median Percent Correct" on a student performance report in addition to the decision score, which is based on the student's overall performance on the test.*

Distribution of Questions	Percentage of Coverage	Advisory Scores
<b>Content Areas</b>		
Deficiency in the Delivery of Oxygen to the Cells	22-28%	71
Problems in Digestion, Metabolism, Elimination, and Providing Nutrients to the Cells	30-35%	70
Impairment in Sensorimotor Function	25-30%	70
Dysfunction of the Genitourinary and Reproductive System	15-20%	78
<b>Objectives</b>		
Health Status	30-40%	71
Nursing Measures	30-40%	72
Drug Therapy	15-25%	66
Nutrition and Diet Therapy	5-15%	74
<b>Nursing Process</b>		
Assessing/Analyzing	30-40%	67
Planning and Implementing	40-50%	72
Evaluating	15-25%	71
<b>Foundations of Nursing</b>	15-25%	75

## Book Two, Section I

The first section of Book Two, *Care of the Client During Childbearing*, has 100 questions that require the nurse to apply facts and principles in clinical situations involving clients at various stages in the childbearing process. The questions examine the nurse's knowledge of growth and development, nursing interventions, and treatment including nutrition and drug therapy specific to this content area. Although emphasis is placed on the normal aspects of childbearing, common problems occurring during the pregnancy cycle and in the care of the neonate are included. The major content categories and the percentage allocation of questions are outlined below. Questions are sampled from these topics:

- I. The Antepartal Period (35-45%)
  - A. Normal Pregnancy
    1. Symptoms and Physiologic Changes Associated with Pregnancy
      - a. Subjective changes
        - 1) Amenorrhea
        - 2) Nausea and vomiting
        - 3) Fatigue
        - 4) Urinary frequency
        - 5) Breast changes
        - 6) Quickening
      - b. Objective changes
        - 1) Pregnancy tests
        - 2) Fetal heart sounds
        - 3) Fundal height
        - 4) Ultrasound
      - c. Physiologic changes
    2. Developmental Tasks of the Expanding Family
      - a. Ambivalence to acceptance
      - b. Preparation of siblings/grandparents
    3. Health Promotion Needs
      - a. Rest
      - b. Activities of daily living
    4. Nutritional Needs
      - a. Dietary
      - b. Iron and folic acid supplements
    5. Fetal Growth and Development
    6. Preparation for Labor, Delivery, and Infant Care
      - a. Parent's classes
      - b. True versus false labor
      - c. Signs of impending labor
    7. Common Discomforts of Pregnancy
      - a. Nausea and vomiting
      - b. Heartburn
      - c. Constipation
      - d. Leg cramps
      - e. Backache
      - f. Urinary frequency
      - g. Monilial infection
    8. Antepartal Tests
      - a. Alpha-fetoprotein
      - b. Amniocentesis
      - c. Fetal biophysical profile
      - d. Ultrasound
  - B. High Risks Factors Associated with Pregnancy
    1. Pre-existing Medical Conditions
      - a. Cardiac disease
      - b. Diabetes mellitus
      - c. Human immunodeficiency virus (HIV) / acquired immunodeficiency syndrome (AIDS)
    2. Age
      - a. Teenager
      - b. Mature

3. Other
    - a. Multiple pregnancy
    - b. Grand multiparity
    - c. Infertility
    - d. Sexually transmitted disease
- C. Complications of Pregnancy
1. Abortion
  2. Pregnancy-Induced Hypertension
  3. Bleeding Disorders
    - a. Abruptio placentae
    - b. Placenta previa
    - c. Placenta accreta
    - d. Disseminated intravascular coagulation
  4. Other
    - a. Hyperemesis gravidarum
    - b. Hydatidiform mole
    - c. Rh problems
- II. Intrapartal Period (25-35%)
- A. Normal Labor
1. Stages of Labor
  2. Assessing Progress of Labor
  3. Monitoring Vital Signs
  4. Support Available during Labor
    - a. Relaxation techniques
    - b. Comfort measures
    - c. Analgesia/Anesthesia
  5. Fetal Response to Labor
- B. Complications of Labor
1. Dystocia
  2. Cephalopelvic Disproportion
  3. Multiple Pregnancy
  4. Fetal Malposition
  5. Fetal Distress
  6. Problems Affecting the Uterus
    - a. Rupture
    - b. Inversion
  7. Premature Labor
  8. Precipitous Labor-Emergency Delivery
  9. Induction of Labor
  10. Dependence on Drugs
  11. Need for Cesarean Delivery
  12. Prolapsed Cord
  13. Bleeding Disorder
- C. Delivery
1. Management of a Woman Who is to Deliver Vaginally
  2. The Cesarean Birth
  3. Immediate Care of the Neonate.
    - a. Meeting immediate needs
    - b. Apgar scoring
    - c. Routine procedures
  4. Facilitating the Attachment Process
  5. Care of the Mother in First Postpartal Hour
- III. Postpartal Period (10-20%)
- A. Physical Needs of the Mother
1. Assessment of Postpartal Adaptation
    - a. Fundus
    - b. Lochia
    - c. Breast changes
- B. Psychosocial and Health Needs of the Family
1. Attachment
  2. Assistance with Breast and Bottle Feeding
  3. Education for Infant Care and Family Living
  4. Contraception
- C. Complications of the Postpartal Period
1. Physical Problems
    - a. Voiding difficulties
    - b. Hemorrhage
    - c. Infection
    - d. Thrombophlebitis
  2. Psychosocial Problems
    - a. Impact of fetal problems
      - 1) Defective infant
      - 2) Loss of infant
    - b. Psychiatric disorders
  3. Risk Factors

- D. The Mother Who Has Had a Cesarean Birth
  - E. The High-Risk Mother
- IV. The Neonate (10-20%)
- A. The Normal Newborn
    - 1. Assessment
      - a. Gestational age
      - b. Adaptation to life
    - 2. Nursing Care
      - a. Routine care
      - b. Circumcision
  - B. Complications of the Neonatal Period
    - 1. Respiratory Problems
    - 2. Neonatal Jaundice
    - 3. Hemolytic Disease of the Neonate
    - 4. Infection
    - 5. Congenital Abnormalities
      - a. Gastrointestinal
      - b. Cardiac
      - c. Genitourinary
      - d. Neuromuscular
      - e. Orthopedic

- C. Care of the High-Risk Infant
  - 1. The Preterm Infant
  - 2. The Small-for-Gestational Age Infant
  - 3. The Postmature Infant
  - 4. The Infant of a Mother Who Had
    - a. Diabetes mellitus
    - b. Drug dependence
    - c. Cesarean delivery
    - d. Prenatal infection
    - e. Human immunodeficiency virus (HIV) / acquired immunodeficiency syndrome (AIDS)

## Distribution Of Questions By Content, Objective, and Nursing Process

The information presented below shows the percentage allocation of questions in *Care of the Client During Childbearing*. The content areas are from the above outline. The objectives and nursing process were defined on page 3 in this manual. These scores can be used as the basis from which you can better evaluate a student's performance in each of these sub-categories.

*Advisory scores are listed as "Norms Group, Median Percent Correct" on a student performance report in addition to the decision score, which is based on the student's overall performance on the test.*

Distribution of Questions	Percentage of Coverage	Advisory Scores
<b>Content areas</b>		
The Antepartal Period (including Fetus)	35-45%	70
The Intrapartal Period	25-35%	68
The Postpartal/Interconceptual Period The Neonate	10-20%	71
<b>Objectives</b>		
Health Status	40-50%	73
Nursing Measures, including Drug Therapy (5-10%) and Nutrition and Diet Therapy (5-10%)	35-65%	68
<b>Nursing Process</b>		
Assessing and Analyzing	30-40%	69
Evaluating	10-20%	
Planning and Implementing	45-55%	69

## Book Two, Section II

The second section of Book Two, *Care of the Child*, has 100 questions related to the care of children from newborn to adolescence. The nurse's ability to apply facts and principles is examined by responses given to situations consisting of a variety of health problems encountered by children. In addition to content about pathophysiology, nursing interventions, and treatment modalities including drugs and nutrition, there are also questions on normal growth and development. The major content categories and the percentage allocation of questions are outlined below. Questions are sampled from these topics:

- |  |  |
|--|--|
| I. The Infant (25-35%)                             | II. The Toddler and Preschooler (35-45%)           |
| A. Norms of Growth and Development                 | A. Norms of Growth and Development                 |
| B. Deviations from Norms of Growth and Development | B. Deviations from Norms of Growth and Development |
| C. Promotion of Health                             | C. Promotion of Health                             |
| D. Family Relationships                            | D. Family Relationships                            |
| E. The Hospitalized Infant                         | E. The Hospitalized Toddler and Preschooler        |
| F. Health Problems of the Infant                   | F. Health Problems of the Toddler and Preschooler  |
| 1. Congenital Defects                              | 1. Tonsillitis and/or Tonsillectomy                |
| a. Myelomeningocele                                | 2. Otitis Media                                    |
| b. Hydrocephalus                                   | 3. Acute Respiratory Infections                    |
| c. Cleft lip and cleft palate                      | 4. Ingestion of Poisonous Substances               |
| d. Congenital hip dysplasia                        | 5. Cystic Fibrosis                                 |
| e. Congenital heart disease                        | 6. Celiac Disease                                  |
| f. Tracheoesophageal fistula                       | 7. Appendicitis                                    |
| 2. Acute Respiratory Infections                    | 8. Congenital Heart Disease                        |
| 3. Pyloric Stenosis                                | a. Cardiac surgery                                 |
| 4. Diarrhea and Dehydration                        | 9. Nephrosis                                       |
| 5. Nutritional Disturbances                        | 10. Hemophilia                                     |
| a. Iron deficiency anemia                          | 11. Child Abuse                                    |
| 6. Intussusception                                 | 12. Burns  |
| 7. Hirschsprung's Disease                          | 13. Accidents                                      |
| 8. Allergies                                       | 14. Mental Retardation                             |
| 9. Child Abuse                                     | 15. Acute Lymphocytic Leukemia                     |
| 10. Sudden Infant Death Syndrome                   | 16. Amblyopia                                      |
| 11. Phenylketonuria                                | 17. Fractures                                      |

### III. The School Aged Child (15-25%)

- A. Norms of Growth and Development
- B. Deviations from Norms of Growth and Development
- C. Promotion of Health
- D. Family Relationships
- E. The Hospitalized Child
- F. Health Problems of the School Aged Child
  - 1. Accidents
  - 2. Helminthic Infections
  - 3. Mental Retardation
  - 4. Acute Lymphocytic Leukemia
  - 5. Brain Tumor
  - 6. Acute Glomerulonephritis
  - 7. Asthma
  - 8. Cystic Fibrosis
  - 9. Appendicitis
  - 10. Rheumatic Fever
  - 11. Sickle Cell Anemia
  - 12. Diabetes Mellitus
  - 13. Convulsive Disorder
  - 14. Burns
  - 15. Fractures

### IV. The Adolescent (5-15%)

- A. Norms of Growth and Development
- B. Deviations from Norms of Growth and Development
- C. Promotion of Health
- D. Family Relationships
- E. The Hospitalized Adolescent
- F. Health Problems
  - 1. Accidents
  - 2. Obesity
  - 3. Bone Tumors
  - 4. Fractures
  - 5. Scoliosis
  - 6. Convulsive Disorder
  - 7. Venereal Disease
  - 8. Drug Abuse
  - 9. Suicide
  - 10. Acne
- V. General Topics (not age-related, may apply to situations in any age group area)
  - A. Sensory Deprivation
  - B. The Dying Child
  - C. Cerebral Palsy



## Distribution of Questions by Content, Objectives, and Nursing Process

The information presented below shows the percentage allocation of questions in *Care of the Child*. The content areas are from the above outline. The objectives and nursing process were defined on page 3 in this manual. These scores can be used as the basis from which you can better evaluate a student's performance in each of these sub-categories.

*Advisory scores are listed as "Norms Group, Median Percent Correct" on a student performance report in addition to the decision score, which is based on the student's overall performance on the test.*

Distribution of Questions	Percentage of Coverage	Advisory Scores
<b>Content areas</b>		
The Infant	25-35%	61
The Toddler and Preschooler	35-45%	71
The School Aged Child	15-25%	68
The Adolescent	5-15%	
<b>Objectives</b>		
Health Status	40-45%	69
Nursing Measures	30-35%	64
Drug Therapy	15-20%	63
Nutrition, and Diet Therapy	5-15%	
<b>Nursing Process</b>		
Assessing and Analyzing	35-45%	69
Evaluating	10-20%	
Planning and Implementing	40-50%	62

## Book Three

*Care of the Client with Mental Disorder* has 132 questions pertaining to a variety of clinical situations in the care of children and adults. The questions examine the nurse's knowledge of psychopathology, psychodynamics, and the treatment modalities including: somatotherapy as well as individual and group nursing intervention. The categories of content and the percentage of questions included in the major categories are outlined below. Questions are sampled from the following list of topics:

- I. Organic Mental Disorders (15-20%)
  - A. Dementias Arising in the Senium and Presenium
  - B. Substance Induced
    - 1. Alcohol
    - 2. Amphetamine
    - 3. Barbiturate
  - C. Mental Retardation
- II. Psychological and Psychophysiological Mental Disorders (45-70%)
  - A. Schizophrenic Disorders
    - 1. Catatonic Type
    - 2. Disorganized Type
    - 3. Paranoid Type
    - 4. Residual Type
    - 5. Undifferentiated Type
  - B. Psychotic Disorders Not Elsewhere Classified
  - C. Affective Disorders
    - 1. Manic Episode
    - 2. Major Depressive Episode
  - D. Anxiety Disorders
    - 1. Obsessive-Compulsive Disorder
    - 2. Phobic Disorder
    - 3. Crisis and Panic Disorder
  - E. Somatoform Disorders
    - 1. Conversion Disorder
    - 2. Somatization Disorder
    - 3. Hypochondriasis
    - 4. Psychic Pain Disorder
  - F. Psychosexual Disorders
    - 1. Gender Identity Disorder
    - 2. Psychosexual Dysfunctions
    - 3. Ego-Dystonic Homosexuality
  - G. Disorders of Impulse Control
    - 1. Intermittent Explosive Disorder
    - 2. Isolated Explosive Disorder
  - H. Psychological Factors Affecting Physical Conditions
  - I. Eating Disorders
  - J. Personality Disorders
- III. Adjustment Disorders (20-30%)
  - A. Adjustment with Depressed Moods
  - B. Adjustment with Anxious Moods
  - C. Adjustment with Mixed Emotional Features
  - D. Adjustment with Disturbance of Conduct
  - E. Adjustment with Mixed Disturbances of Emotion and Conduct
  - F. Adjustment with Work (or Academic) Inhibition
  - G. Adjustment with Withdrawal

## Distribution of Questions by Content, Objectives, and Nursing Process

The information presented below shows the percentage allocation of questions in *Care of the Client with a Mental Disorder*. The content areas are from the above outline. The objectives and nursing process were defined on page 3 in this manual. One objective on somatotherapy replaces objectives C and D. This objective is "The nurse will apply and demonstrate knowledge of somatotherapy." Advisory scores are provided for each of the test's sub-categories and reflect the median percent correct score. These scores can be used as the basis from which you can better evaluate a student's performance in each of these sub-categories.

*Advisory scores are listed as "Norms Group, Median Percent Correct" on a student performance report in addition to the decision score, which is based on the student's overall performance on the test.*

Distribution of Questions	Percentage of Coverage	Advisory Scores
<b>Content areas</b>		
Organic Mental Disorders	15-20%	74
Psychological and Psychophysiological Mental Disorders	45-70%	71
Adjustment Disorders	20-30%	70
<b>Objectives</b>		
Health Status	40-50%	74
Nursing Measures	30-45%	71
Somatotherapy	15-20%	65
<b>Nursing Process</b>		
Assessing	30-40%	70
Planning and Implementing	35-45%	73
Evaluating	15-40%	73

## ITEM WRITERS

The following faculty, who work with programs that prepare students for baccalaureate degrees in nursing, served as members of the item writing committees that helped prepare this edition of the ACE II.

Susan Anderson, Marian College, Fon du Lac, WI  
Marge Balzer, University of Texas Health Science Center, San Antonio, TX  
Margaret Brackley, University of Texas, San Antonio, TX  
Martha Cobb, University of Arizona, Tucson, AZ  
Susan L. Croft, University of Utah, Salt Lake City, UT  
Angelyn Grabau, University of Nebraska Medical Center, Omaha, NE  
Judith A. Grant, Madonna University, Livonia, MI  
Andrea Hollingsworth, Villanova University, Villanova, PA  
Patricia Kizilay, Seton Hall University, South Orange, NJ  
Patricia K. Lacefield, University of Louisville, Louisville, KY  
Sr. Mary Jane Phillips, Molloy College, Rockville Centre, NY  
Teresa Pistolessi, Russell Sage College, Troy, NY  
Carol Smith, Medical College of Georgia, Augusta, GA  
Donna Snelson, College Misericordia, Dallas, PA  
Susan J. Sorenson, Bellin College of Nursing, Green Bay, WI  
Jerry Stamper, San Jose State University, San Jose, CA  
Nancy Troy, University of Nebraska, Omaha, NE  
Mary Tuttle, University of South Florida, Tampa, FL  
Linda Ulak, Seton Hall University, South Orange, NJ

## **PROGRAMS THAT PARTICIPATED IN THE EXPERIMENTAL ADMINISTRATION OF THE TEST**

Programs at the following institutions administered one or more of the ACE II tests experimentally before final publication. NLN Assessment and Evaluation appreciates each program's participation in the test development process.

### **Alabama**

Tuskegee University, Tuskegee  
University of North Alabama, Florence

### **Arizona**

University of Arizona, Tucson

### **California**

California State University, San Bernardino  
Dominican College, San Rafael

### **Connecticut**

Quinnipiac College, Hamden

### **District of Columbia**

Howard University, Washington, DC

### **Florida**

University of South Florida, Tampa

### **Illinois**

Chicago State University, Chicago  
Milliken University, Decatur  
St. Francis Med Ctr College of Nursing,  
Peoria

### **Indiana**

Indiana State University, Terre Haute  
Indiana University East, Richmond  
Indiana University Southeast, New Albany

### **Iowa**

Allen College of Nursing, Waterloo

### **Kansas**

Baker University, Topeka

### **Louisiana**

Dillard University, New Orleans  
Louisiana College, Pineville  
McNeese State University, Lake Charles

### **Massachusetts**

University of Massachusetts, Amherst

### **Minnesota**

College of St. Catherine, St. Paul

### **Missouri**

Deaconess College of Nursing, St. Louis  
Missouri Western State College, St. Joseph

### **New York**

D'Youville College, Buffalo

### **North Dakota**

Minot State University, Minot

### **Ohio**

University of Cincinnati, Cincinnati  
Wright State University, Dayton

### **Oklahoma**

East Central University, Ada  
Langston University, Langston  
University of Oklahoma, Oklahoma City

### **Pennsylvania**

Bloomsburg University, Bloomsburg  
Edinboro University of Pennsylvania,  
Edinboro

### **South Dakota**

Presentation College, Aberdeen

### **Tennessee**

Belmont University, Nashville

### **Vermont**

University of Vermont, Burlington

### **Wisconsin**

Alverno College, Milwaukee  
Concordia University of Wisconsin,  
Mequon





