Nursing Acceleration Challenge Exam (ACE) II

Information Bulletin

OTACHI000P2B

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# TABLE OF CONTENTS

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

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

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

A. Norms of Growth and Development
B. Deviations from Norms of Growth and Development
C. Promotion of Health
D. Family Relationships
E. The Hospitalized Infant
F. Health Problems of the Infant
   1. Congenital Defects
      a. Myelomeningocele
      b. Hydrocephalus
      c. Cleft lip and cleft palate
      d. Congenital hip dysplasia
      e. Congenital heart disease
      f. Tracheoesophageal fistula
   2. Acute Respiratory Infections
   3. Pyloric Stenosis
   4. Diarrhea and Dehydration
   5. Nutritional Disturbances
      a. Iron deficiency anemia
   6. Intussusception
   7. Hirschsprung's Disease
   8. Allergies
   9. Child Abuse
  10. Sudden Infant Death Syndrome
  11. Phenylketonuria

II. The Toddler and Preschooler (35-45%)

A. Norms of Growth and Development
B. Deviations from Norms of Growth and Development
C. Promotion of Health
D. Family Relationships
E. The Hospitalized Toddler and Preschooler
F. Health Problems of the Toddler and Preschooler
   1. Tonsillitis and/or Tonsillectomy
   2. Otitis Media
   3. Acute Respiratory Infections
   4. Ingestion of Poisonous Substances
   5. Cystic Fibrosis
   6. Celiac Disease
   7. Appendicitis
   8. Congenital Heart Disease
      a. Cardiac surgery
   9. Nephrosis
  10. Hemophilia
  11. Child Abuse
  12. Burns
  13. Accidents
  14. Mental Retardation
  15. Acute Lymphocytic Leukemia
  16. Amblyopia
  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.

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<th>Distribution of Questions</th>
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<th>Advisory Scores</th>
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</thead>
<tbody>
<tr>
<td><strong>Content areas</strong></td>
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<tr>
<td>The Infant</td>
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<td>The Toddler and Preschooler</td>
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<td>The School Aged Child</td>
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<tr>
<td>The Adolescent</td>
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<tr>
<td><strong>Objectives</strong></td>
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<tr>
<td>Health Status</td>
<td>40-45%</td>
<td>69</td>
</tr>
<tr>
<td>Nursing Measures</td>
<td>30-35%</td>
<td>64</td>
</tr>
<tr>
<td>Drug Therapy</td>
<td>15-20%</td>
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<tr>
<td>Nutrition, and Diet Therapy</td>
<td>5-15%</td>
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<tr>
<td><strong>Nursing Process</strong></td>
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<tr>
<td>Assessing and Analyzing</td>
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<tr>
<td>Evaluating</td>
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<tr>
<td>Planning and Implementing</td>
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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
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.

<table>
<thead>
<tr>
<th>Distribution of Questions</th>
<th>Percentage of Coverage</th>
<th>Advisory Scores</th>
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<tr>
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<td>Health Status</td>
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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.

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