

NCLEX-RN® Examination

Detailed Test Plan for the National Council Licensure
Examination for Registered Nurses

Mission Statement

The United Confederate Veterans (UCV) is a national organization of all veterans of the American Civil War and their families.

Purpose and Functions

The purpose of the United Confederate Veterans (UCV) is to preserve the memory of the Confederate States of America and to provide financial assistance to the families of Confederate veterans.

The functions of the UCV are to: (1) preserve the memory of the Confederate States of America; (2) provide financial assistance to the families of Confederate veterans; (3) promote the education of the youth of the United States in the history of the Confederate States of America; and (4) to do such other things as may be necessary to carry out the purposes of this organization.

Copyright © 2015 United Confederate Veterans (UCV)

All rights reserved. UCV, UCV-1, UCV-2, AA, ACE, and ECA are registered trademarks of the UCV. All other trademarks are the property of their respective owners.

The United Confederate Veterans is a national organization of all veterans of the American Civil War and their families. The organization is dedicated to preserving the memory of the Confederate States of America and to providing financial assistance to the families of Confederate veterans. The organization is also dedicated to promoting the education of the youth of the United States in the history of the Confederate States of America. All rights reserved. UCV, UCV-1, UCV-2, AA, ACE, and ECA are registered trademarks of the UCV. All other trademarks are the property of their respective owners.

Address: 111 E. North Dr., Suite 2900, Chicago, IL 60601-4277
Contact: United Confederate Veterans

National Council of State Boards of Nursing

2016 NCLEX-RN® Detailed Test Plan

Candidate Version

Effective Date

April 2016

Table of Contents

I. Background.....

II. -

Test Plan for the National Council Licensure Examination for Registered Nurses (NCLEX-RN® Examination)

Introduction

Entry into the practice of nursing is regulated by the licensing authorities within each of the National Council of State Boards of Nursing (NCSBN®) member board jurisdictions (state, province, commonwealth, and territorial boards of nursing). To ensure public protection, each jurisdiction requires candidates for licensure to meet set requirements that include passing an examination that measures the competencies needed to perform safely and effectively as a newly licensed, entry-level registered nurse. NCSBN develops a licensure examination, the National Council Licensure Examination for Registered Nurses (NCLEX-RN®), which is used by member board jurisdictions to assist in making licensure decisions.

Several steps occur in the development of the NCLEX-RN Test Plan. The first step is conducting a practice analysis that is used to collect data on the current practice of the entry-level nurse (NCSBN, 2015). Twelve thousand newly licensed registered nurses are asked about the frequency and importance of performing nursing care activities. Nursing care activities are then analyzed in relation to the frequency of performance, impact on

integrate increasingly complex knowledge, skills, technologies, and client care activities into evidence-based nursing practice. The goal of nursing for client care is preventing illness and potential complications; protecting, promoting, restoring, and facilitating comfort; health; and dignity in dying.

The registered nurse provides a unique, comprehensive assessment of the health status of the client, applying principles of ethics, client safety, health promotion and the nursing process, the nurse then develops and implements an explicit plan of care considering unique cultural and spiritual client preferences, the applicable standard of care and legal instructions. The nurse assists clients to promote health, cope with health problems, adapt to and/or recover from the effects of disease or injury, and support the right to a dignified death. The registered nurse is accountable for abiding by all applicable member board jurisdiction statutes related to nursing practice.

Classification of Cognitive Levels

Bloom's taxonomy for the cognitive domain is used as a basis for writing and coding items for the examination (Bloom, et al., 1956; Anderson & Krathwohl, 2001). Since the practice of nursing requires application of knowledge, skills and abilities, the majority of items are written at the application or higher levels of cognitive ability, which requires more complex thought processing.

Test Plan Structure

The framework of Client Needs was selected for the examination because it provides a universal structure for defining nursing actions and competencies, and focuses on clients in all settings.

Client Needs

The content of the NCLEX-RN Test Plan is organized into four major Client Needs categories. Two of the four categories are divided into subcategories:

Function Effectiveness Client Education

Management of Care

Safety and Infection Control

Physiological Adaptation

Pharmacological and Parenteral Therapies

Reduction of Risk Potential

Basic Care and Comfort

Pharmacological and Parenteral Therapies

Reduction of Risk Potential

Physiological Adaptation

– protecting clients and health care personnel from health and environmental hazards.

Related content includes, but is **not limited** to:

Accident/Error/Injury Prevention	Safe Use of Equipment
Emergency Response Plan	Security Plan
Ergonomic Principles	Standard Precautions/Transmission-Based Precautions/Surgical Asepsis
Handling Hazardous and Infectious Materials	Use of Restraints/Safety Devices
Home Safety	
Reporting of Incident/Event/Irregular Occurrence/Variance	

Health Promotion and Maintenance

The nurse provides and directs nursing care of the client that incorporates the knowledge of expected growth and development principles, prevention and/or early detection of health problems, and strategies to achieve optimal health.

Related content includes, but is **not limited** to:

Aging Process	High Risk Behaviors
Ante/Intra/Postpartum and Newborn Care	Lifestyle Choices
Developmental Stages and Transitions	Self-Care
Health Promotion/Disease Prevention	Techniques of Physical Assessment
Health Screening	

Psychosocial Integrity

The nurse provides and directs nursing care that promotes and supports the emotional, mental and social well-being of the client experiencing stressful events, as well as clients with acute or chronic mental illness.

Related content includes, but is **not limited** to:

Abuse/Neglect	Family Dynamics
Behavioral Interventions	Grief and Loss
Chemical and Other Dependencies/ Substance Use Disorder	Mental Health Concepts
Coping Mechanisms	Religious and Spiritual Influences on Health
Crisis Intervention	Sensory/Perceptual Alterations
Cultural Awareness/Cultural Influences on Health	Stress Management
End of Life Care	Support Systems
	Therapeutic Communication
	Therapeutic Environment

III.

Detailed Test Plan for the National Council Licensure Examination for Registered Nurses (NCLEX-RN® Examination)

The NCLEX-RN Test Plan in the previous section provides a general outline of the categories and subcategories of the examination. The [2016 NCLEX-RN® Detailed Test Plan - Candidate Version](#) is used to guide the direction of examination content to be followed by NCLEX® candidates preparing to take the examination.

The activity statements used in the [2015 National Council of State Boards of Nursing \(NCSBN, 2015\) preface](#) each of the eight content categories and are identified throughout the detailed test plan by an asterisk(*). NCSBN performs an analysis of those activities used frequently and identified as important by entry-level nurses to ensure client safety. This is called a practice analysis; it provides data to support the NCLEX as a reliable, valid measure of competent, entry-level nursing practice. The practice analysis is conducted at least every three years.

In addition to the practice analysis performed every three years, NCSBN conducts a knowledge, skills and abilities (KSA) survey. The primary purpose of this study is to identify the knowledge needed by newly licensed registered nurses (RNs) in order to practice safe and effective care. Findings from both the 2014 RN Practice Analysis and the 2014 RN KSA survey can be found at www.ncsbn.org/1235.htm. Both documents are used in the development of the NCLEX-RN Test Plan as well as to inform item development.

All task statements in the [2016 NCLEX-RN® Detailed Test Plan - Candidate Version](#) require the nurse to apply the fundamental principles of clinical decision making and critical thinking to nursing practice. The detailed test plan also makes the assumption that the nurse integrates concepts from the following bodies of knowledge::

- Social sciences (psychology and sociology);

- Biological sciences (anatomy, physiology, biology and microbiology); and

- Physical sciences (chemistry and physics).

In addition, the following concepts are utilized throughout the four major Client Needs categories and subcategories of the test plan:

- Nursing process;

- Caring;

- Communication and documentation;

- Teaching and learning; and

- Culture and Spirituality.

Please Note: There are certain inconsistencies throughout this document related to word usage and punctuation. Sentences or phrases marked by an asterisk (*) are activity statements taken directly from the [2015 National Council of State Boards of Nursing \(NCSBN, 2015\) preface](#). In order to provide proper attribution to the original survey these statements have not been altered to fit the overall grammatical style of this document. In addition, the term “client” refers to the individual, family, or group, which includes significant others and population. “Clients” are the same as “residents” or “patients.” In general, if the age or age category of the client is not stated in an item, it can be understood that the client is an adult. NCLEX items are developed based on a variety of practice settings such as: acute/critical care, long-term care/rehabilitation care, outpatient care and community-based/home care settings.

Safe and Effective Care Environment

Management of Care

Management of Care – the nurse provides and directs nursing care that enhances the care delivery setting to protect the client and health care personnel.

MANAGEMENT OF CARE	
Related Activity Statements from the	-
Integrate advance directives into client plan of care	
Assign and supervise care provided by others (e.g., LPN/VN, assistive personnel, other RNs)	
Organize workload to manage time effectively	
Participate in providing cost effective care	
Initiate, evaluate, and update plan of care (e.g., care map, clinical pathway)	
Provide education to clients and staff about client rights and responsibilities	
Advocate for client rights and needs	
Collaborate with interprofessional health care members in other disciplines when providing client care (e.g., language interpreter, health care professionals)	
Manage conflict among clients and health care staff	
Maintain client confidentiality and privacy	
Provide and receive hand off of care report on assigned clients (e.g., standardized hand off communication)	
Use approved abbreviations and standard terminology when documenting care	
Perform procedures necessary to safely admit, transfer or discharge a client	
Prioritize the delivery of client care	
Recognize ethical dilemmas and take appropriate action	
Practice in a manner consistent with a code of ethics for registered nurses	
Verify that the client received appropriate procedure education and consents to care and procedures	
Receive and/or transcribe health care provider orders	
Utilize valid resources to enhance the care provided to a client (e.g., evidenced-based research, information technology, policies and procedures)	
Recognize limitations of self/others and seek assistance	
Report client conditions as required by law (e.g., abuse/neglect, communicable disease)	
Report unsafe practice of health care personnel and intervene as appropriate (e.g., substance abuse, improper care, staffing practices)	
Provide care within the legal scope of practice	
Participate in performance improvement/quality improvement process	
Recognize the need for referrals and obtain necessary orders	

Related content includes, but is **not limited** to:

Advance Directives

Assess client and/or staff member knowledge of advance directives (e.g., living will, health care agent/proxy, Power of Attorney for Health Care)

Integrate advance directives into client plan of care*

Provide client with information about advance directives, self-care determination, life planning.

Advocacy

Discuss identified treatment options with client and respect their decisions

Provide information on advocacy to staff members

Act in the role of client advocate

Utilize advocacy resources appropriately (e.g., social worker, chain of command, interpreter)

Assignment, Delegation and Supervision

Identify tasks for assignment or delegation based on client needs

Delegate and assign appropriate task based on client's needs to personnel with competency to perform task

Assign and supervise care provided by others (e.g., LPN/VN, assistive personnel, other RNs)*

Communicate tasks to be completed and report client concerns immediately

Organize workload to manage time effectively*

Utilize the rights of delegation (e.g., right task, right circumstances, right person, right direction or communication, right supervision or feedback)

Evaluate delegated tasks to ensure correct completion of activity

Evaluate ability of staff members to perform assigned tasks considering personnel's allowable tasks/duties, competency and ability to use sound judgment and decision making.

Evaluate effectiveness of staff members' time management skills

Case Management

Explore resources available to assist the client with achieving or maintaining independence

Assess the client's need for materials and equipment (e.g., oxygen, suction machine, wound care supplies)

Provide cost effective care*(not including payor or insurance)

Plan individualized care for client based on need (e.g., client diagnosis, self-care ability, prescribed treatments)

Provide client with information on discharge procedures to home, or community setting

Initiate, evaluate, and update plan of care (e.g., care map, clinical pathway)*

Client Rights

Recognize the client's right to refuse treatment/procedures

Discuss treatment options/decisions with client

Ethical Practice

- Recognize ethical dilemmas and take appropriate action*
- Inform client/staff members of ethical issues affecting client care
- Practice in a manner consistent with a code of ethics for registered nurses*
- Evaluate outcomes of interventions to promote ethical practice

Informed Consent

- Identify appropriate person to provide informed consent for client
- Provide written materials in client's spoken language, when possible
- Describe components of informed consent
- Participate in obtaining informed consent
- Verify that the client received appropriate procedure education and consents to care and procedures*

Information Technology

- Receive and/or transcribe health care provider orders* (orders/prescriptions)
- Apply knowledge of facility regulations when accessing client records
- Access data for client through online databases and journals
- Enter computer documentation accurately, completely and in a timely manner
- Utilize valid resources to enhance the care provided to a client (e.g., evidenced-based research, information technology, policies and procedures)*

Legal Rights and Responsibilities

- Identify legal issues affecting the client (e.g., refusing treatment)
- Identify and manage the client's valuables according to facility/agency policy
- Recognize limitations of self/others and seek assistance*
- Review facility policy and legal considerations prior to agreeing to serve as an interpreter for staff or primary health care provider
- Educate client/staff on legal issues
- Report client conditions as required by law (e.g., abuse/neglect, communicable disease)*
- Report unsafe practice of health care personnel and intervene as appropriate (e.g., substance abuse, improper care, staffing practices)*
- Provide care within the legal scope of practice*

Performance Improvement (Quality Improvement)

- Define performance improvement/quality assurance activities
- Participate in performance improvement/quality improvement process*
- Report identified client care issues/problems to appropriate personnel
- Utilize research and other references for performance improvement actions
- Evaluate the impact of performance improvement measures on client care and resource utilization

Referrals

- Assess the need to refer clients for assistance with actual or potential problems (e.g., physical therapy, speech therapy)
- Recognize the need for referrals and obtain necessary orders* (orders/prescriptions)
- Identify community resources for the client (e.g., respite care, social services, shelters)
- Identify which documents to include when referring a client (e.g., medical record, referral form)

Sample Item

The nurse is caring for a client in a long term care facility. The client's neighbor asks the nurse for information regarding the client's treatment plan. Which of the following responses would be **most** appropriate for the nurse to make?

1. "I cannot give you information on the client without the client's consent." (**key**)
- 2.

Safety and Infection Control

Safety and Infection Control – The nurse protects clients and health care personnel from health and environmental hazards.

- (e.g., frequent changing of position, routine stretching of the shoulders, neck, arms, hands, fingers)
- Implement seizure precautions for at-risk clients
- Make appropriate room assignments for cognitively impaired clients
- Ensure proper identification of client when providing care*
- Verify appropriateness and/or accuracy of a treatment order*

Emergency Response Plan

- Determine which client(s) to recommend for discharge in a disaster situation
- Identify nursing roles in disaster planning
- Use clinical decision-making/critical thinking for emergency response plan
- Implement emergency response plans (e.g., internal/external disaster)*
- Participate in disaster planning activities/drills

Ergonomic Principles

- Assess client ability to balance, transfer and use assistive devices prior to planning care (e.g., crutches, walker)
- Provide instruction and information to client about body positions that eliminate potential for repetitive stress injuries
- Use ergonomic principles when providing care (e.g., safe client handling, proper lifting)*

Handling Hazardous and Infectious Materials

- Identify biohazardous, flammable and infectious materials
- Follow procedures for handling biohazardous materials*
- Demonstrate safe handling techniques to staff and client
- Ensure safe implementation of internal radiation therapy

Home Safety

- Assess need for client home modifications (e.g., lighting, handrails, kitchen safety)
- Apply knowledge of client pathophysiology to home safety interventions
- Educate client on home safety issues (e.g., home, school, transportation)*
- Encourage the client to use protective equipment when using devices that can cause injury

Safe Use of Equipment

- Inspect equipment for safety hazards (e.g., frayed electrical cords, loose/missing parts)
- Teach client about the safe use of equipment needed for health care
- Facilitate appropriate and safe use of equipment*
- Remove malfunctioning equipment from client care area and report the problem to appropriate personnel

Security Plan

- Use clinical decision making/critical thinking in situations related to security planning
- Apply principles of triage and evacuation procedures/protocols
- Follow security plan and procedures (e.g., newborn nursery security, violence, controlled access)*

Standard Precautions/Transmission-Based Precautions/Surgical Asepsis

- Assess client care area for sources of infection
- Understand communicable diseases and the modes of organism transmission (e.g., airborne, droplet, contact)
- Apply principles of infection control (e.g., hand hygiene, surgical asepsis, isolation, sterile technique, universal/standard precautions)*
- Follow correct policy and procedures when reporting a client with a communicable disease
- Educate client and staff regarding infection control measures*
- Utilize appropriate precautions for immunocompromised clients
- Use appropriate technique to set up a sterile field/maintain asepsis (e.g., gloves, mask, sterile supplies)
- Evaluate infection control precautions implemented by staff members
- Evaluate whether aseptic technique is performed correctly

Use of Restraints/Safety Devices

- Assess appropriateness of the type of restraint/safety device used
- Follow requirements for use of restraints and/or safety device (e.g., least restrictive restraints, timed client monitoring)*
- Monitor/evaluate client response to restraints/safety device

Sample Item
<p>The nurse is caring for a client who has streptococcal pneumonia. Which of the following infection control precautions should the nurse implement?</p> <ol style="list-style-type: none"> 1. Request the dietary department provide disposable utensils on the client's meal tray. 2. Wear a surgical mask when obtaining the client's vital signs. (key) 3. Remove fresh flowers from the client's room. 4. Place the client in a private room with monitored negative air pressure.

Health Promotion and Maintenance

Health Promotion and Maintenance – the nurse provides and directs nursing care of the client that incorporates knowledge of expected growth and development principles; prevention and/or early detection of health problems; and strategies to achieve optimal health.

HEALTH PROMOTION AND MAINTENANCE	
Related Activity Statements from the	-
Provide care and education for the newborn less than 1 month old through the infant or toddler client through 2 years	
Provide care and education for the preschool, school age and adolescent client ages 3 through 17 years	
Provide care and education for the adult client ages 18 through 64 years	
Provide care and education for the adult client ages 65 through 85 years and over	
Provide prenatal care and education	
Provide care to client in labor or antepartum client	
Provide post-partum care and education	
Assess and teach clients about health risks based on family, population, and/or community characteristics	
Assess client's readiness to learn, learning preferences and barriers to learning	
Plan and/or participate in community health education	
Provide information about health promotion and maintenance recommendations (e.g., physician visits, immunizations)	
Perform targeted screening assessments (e.g., vision, nutrition)	
Provide information for prevention and treatment of high risk health behaviors (e.g., smoking cessation, safe sexual practices, needle exchange)	
Assess client ability to manage care in home environment and plan care accordingly (e.g., equipment, community resources)	
Perform comprehensive health assessment	

Related content includes, but is **not limited** to:

Aging Process

- Assess client's reactions to expected age-related changes
- Provide care and education for the newborn less than 1 month old through the infant or toddler client through 2 years*
- Provide care and education for the preschool, school age and adolescent client ages 3 through 17 years*
- Provide care and education for the adult client ages 18 through 64 years*
- Provide care and education for the adult client ages 65 through 85 years and over*

*Activity Statements used in the 2014 RN Practice Analysis

Provide information about health promotion and maintenance recommendations (e.g., physician visits, immunizations)*

Provide follow-up to the client following participation in health promotion program (e.g., diet counseling)

Assist the client in maintaining an optimum level of health

Evaluate client understanding of health promotion behaviors/activities (e.g., weight control, exercise actions)

Health Screening

Apply knowledge of pathophysiology to health screening

Techniques of Physical Assessment

Apply knowledge of nursing procedures and psychomotor skills to techniques of physical assessment

Choose physical assessment equipment and technique appropriate for the client (e.g., age of client, measurement of vital signs)

Perform comprehensive health assessment*

Sample Item

The nurse is teaching a client about contraception. Which of the following information should the nurse include?

1. "Emergency contraception is most effective if used within 72 hours of unprotected intercourse." **(key)**
2. "If used correctly, a birth control patch will protect you from contracting a sexually transmitted disease (STD)."
3. "If you use an intrauterine device for contraception, it will need to be replaced every month."
4. "You cannot use medroxyprogesterone if you smoke cigarettes."

Behavioral Interventions

- Assess the client's appearance, mood and psychomotor behavior and identify/respond to inappropriate/ abnormal behavior
- Assist the client with achieving and maintaining self-control of behavior (e.g., behavior modification)
- Assist the client to develop and use strategies to decrease anxiety
- Orient the client to reality
- Participate in group sessions (e.g., support groups)
- Incorporate behavioral management techniques when caring for a client (e.g., positive reinforcement, setting limits, de-escalation techniques)*
- Evaluate the client's response to treatment plan

Chemical dependency (Substance Use Disorder) 1.11 ders

*Activity Statements used in the 2014 RN Practice Analysis

Crisis Intervention

Assess the potential for violence and use safety precautions (e.g., suicide, homicide, self-destructive behavior)*

Identify the client in crisis

Use crisis intervention techniques to assist the client in coping

Apply knowledge of client psychopathology to crisis intervention

Guide the client to resources for recovery from crisis (e.g., social supports)

Cultural Awareness/Cultural Influences on Health

Assess the importance of client culture/ethnicity when planning/providing/evaluating care

Recognize cultural issues that may impact the client's understanding/acceptance of psychiatric diagnosis

Incorporate client cultural practice and beliefs when planning and providing care*

Respect cultural background/practices of the client (does not include dietary preferences)

Evaluate and document how client language needs were met

End of Life Care

Assess the client's ability to cope with end of life interventions

Identify end of life needs of the client (e.g., financial concerns, fear, loss of control, role changes)

Recognize the need for and provide psychosocial support to the family/caregiver

Assist the client in resolution of end of life issues

Provide end of life care and education to clients*

Family Dynamics

Assess barriers/stressors that impact family functioning (e.g., meeting client care needs, divorce)

Assess family dynamics to determine plan of care (e.g., structure, bonding, communication, boundaries, coping mechanisms)*

Assess parental techniques related to discipline

Encourage the client's participation in group/family therapy

Assist the client to integrate new members into family structure (e.g., new infant, blended family)

Evaluate resources available to assist family functioning

Grief and Loss

Assist the client in coping with suffering, grief, loss, dying, and bereavement

Support the client in anticipatory grieving

Inform the client of expected reactions to grief and loss (e.g., denial, fear)

Provide the client with resources to adjust to loss/bereavement (e.g., individual counseling, support groups)

Evaluate the client's coping and fears related to grief and loss

Therapeutic Communication

- Assess verbal and nonverbal client communication needs
- Respect the client's personal values and beliefs
- Allow time to communicate with the client
- Use therapeutic communication techniques to provide client support*
- Encourage the client to verbalize feelings (e.g., fear, discomfort)
- Evaluate the effectiveness of communications with the client

Therapeutic Environment

- Identify external factors that may interfere with client recovery (e.g., stressors, family dynamics)
- Make changes to the environment to prevent factors from interfering with client recovery (e.g., stressors, family dynamics)

Physiological Integrity

Basic Care and Comfort

Basic Care and Comfort – the nurse provides comfort and assistance in the performance of activities of daily living.

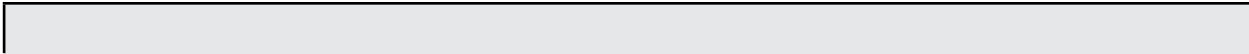
BASIC CARE AND COMFORT	
Related Activity Statements from the	-
<p>Assist client to compensate for a physical or sensory impairment (e.g., assistive devices, positioning, compensatory techniques)</p> <p>Assess and manage client with an alteration in elimination (e.g., bowel, urinary)</p> <p>Perform irrigations (e.g., of bladder, ear, eye)</p> <p>Perform skin assessment and implement measures to maintain skin integrity and prevent skin breakdown (e.g., turning, repositioning, pressure-relieving support surfaces)</p> <p>Apply, maintain or remove orthopedic devices (e.g., traction, splints, braces, casts)</p> <p>Apply and maintain devices used to promote venous return (e.g., anti-embolic stockings, sequential compression devices)</p> <p>Implement measures to promote circulation (e.g., active or passive range of motion, positioning and mobilization)</p> <p>Perform irrigations (e.g., of bladder, ear, eye)</p>	

Elimination

- Assess and manage client with an alteration in elimination (e.g., bowel, urinary)*
- Perform irrigations (e.g., of bladder, ear, eye)*
- Provide skin care to clients who are incontinent (e.g., wash frequently, barrier creams/ointments)
- Use alternative methods to promote voiding
- Evaluate whether the client's ability to eliminate is restored/maintained

Mobility/Immobility

- Identify complications of immobility (e.g., skin breakdown, contractures)
- Assess the client for mobility, gait, strength and motor skills



*Activity Statements used in the 2014 RN Practice Analysis

Pharmacological and Parenteral Therapies

Pharmacological and Parenteral Therapies – the nurse provides care related to the administration of medications and parenteral therapies.

PHARMACOLOGICAL AND PARENTERAL THERAPIES	
Related Activity Statements from the	-
Administer blood products and evaluate client response	
Access venous access devices, including tunneled, implanted and central lines	
Perform calculations needed for medication administration	
Evaluate client response to medication (e.g., therapeutic effects, side effects, adverse reactions)	
Educate client about medications	
Prepare and administer medications, using rights of medication administration	
Review pertinent data prior to medication administration (e.g., contraindications, lab results, allergies, potential interactions)	
Participate in medication reconciliation process	
Titrate dosage of medication based on assessment and ordered parameters (e.g., giving insulin according to blood glucose levels, titrating medication to maintain a specific blood pressure)	
Evaluate appropriateness and accuracy of medication order for client	
Monitor intravenous infusion and maintain site (e.g., central, PICC, epidural and venous access devices)	
Administer pharmacological measures for pain management	
Administer controlled substances within regulatory guidelines (e.g., witness, waste)	
Administer parenteral nutrition and evaluate client response (e.g., TPN)	
Handle and maintain medication in a safe and controlled environment	

Related content includes, but is **not limited** to:

Adverse Effects/Contraindications/Side Effects/Interactions

- Identify a contraindication to the administration of a medication to the client
- Identify actual and potential incompatibilities of prescribed client medications
- Identify symptoms/evidence of an allergic reaction (e.g., to medications)
- Assess the client for actual or potential side effects and adverse effects of medications (e.g., prescribed, over-the-counter, herbal supplements, preexisting condition)
- Provide information to the client on common side effects/adverse effects/potential interactions of medications and inform the client when to notify the primary health care provider
- Notify the primary health care provider of side effects, adverse effects and contraindications of medications and parenteral therapy
- Document side effects and adverse effects of medications and parenteral therapy

*Activity Statements used in the 2014 RN Practice Analysis

Titrate dosage of medication based on assessment and ordered parameters (e.g., giving insulin according to blood glucose levels, titrating medication to maintain a specific blood pressure)*

Dispose of unused medications according to facility/agency policy

Handle and maintain medication in a safe and controlled environment*

Evaluate appropriateness and accuracy of medication order for client* (order/prescription)

Parenteral/Intravenous Therapies

Identify appropriate veins that should be accessed for various therapies

Educate client on the need for intermittent parenteral fluid therapy

Apply knowledge and concepts of mathematics/nursing procedures/psychomotor skills when caring for a client receiving intravenous and parenteral therapy

Prepare the client for intravenous catheter insertion

Monitor the use of an infusion pump (e.g., IV, patient-controlled analgesia device)

Monitor intravenous infusion and maintain site (e.g., central, peripheral, epidural and venous access devices)*

Evaluate the client's response to intermittent parenteral fluid therapy

Pharmacological Pain Management

Assess client need for administration of a PRN pain medication (e.g., oral, topical, subcutaneous, IM, IV)

Administer and document pharmacological pain management appropriate for client age and diagnoses (e.g., pregnancy, children, older adults)

Administer pharmacological measures for pain management*

Administer controlled substances within regulatory guidelines (e.g., witness, waste)*

Evaluate and document the client's use and response to pain medications

Total Parenteral Nutrition (TPN)

Identify side effects/adverse events related to TPN and intervene as appropriate (e.g., hyperglycemia, fluid imbalance, infection)

Educate client on the need for and use of TPN

Apply knowledge of nursing procedures and psychomotor skills when caring for a client receiving TPN

Apply knowledge of client pathophysiology and mathematics to TPN interventions

Administer parenteral nutrition and evaluate client response (e.g., TPN)*

Sample Item

The nurse is caring for a client who has a prescription for gentamicin 2 mg/kg, IV, every 8 hours. The client weighs 143 lbs. (65 kg). The nurse has gentamicin 100 mg in 50 ml of solution available. How many ml should the nurse administer to the client with each dose?

65 ml (key)

65 ml (key)

Reduction of Risk Potential

Reduction of Risk Potential – the nurse reduces the likelihood that clients will develop complications or health problems related to existing conditions, treatments or procedures.

REDUCTION OF RISK POTENTIAL	
Related Activity Statements from the	-
Assess and respond to changes in client vital signs	
Perform diagnostic testing (e.g., electrocardiogram, oxygen saturation, glucose monitoring)	
Monitor the results of diagnostic testing and intervene as needed	
Obtain blood specimens peripherally or through central line	
Obtain specimens other than blood for diagnostic testing (e.g., wound, stool, urine)	
Insert, maintain and remove a gastric tube	
Insert, maintain and remove a urinary catheter	
Insert, maintain and remove a peripheral intravenous line	
Use precautions to prevent injury and/or complications associated with a procedure or diagnosis	
Evaluate responses to procedures and treatments	
Recognize trends and changes in client condition and intervene as needed	
Perform focused assessment	
Educate client about treatments and procedures	
Provide preoperative and postoperative education	
Provide preoperative care	
Manage client during and/or following a procedure with moderate sedation	

Related content includes, but is **not limited** to:

Changes/Abnormalities in Vital Signs

- Assess and respond to changes in client vital signs*
- Apply knowledge needed to perform related nursing procedures and psychomotor skills when assessing vital signs
- Apply knowledge of client pathophysiology when measuring vital signs
- Evaluate invasive monitoring data (e.g., pulmonary artery pressure, intracranial pressure)

Diagnostic Tests

- Apply knowledge of related nursing procedures and psychomotor skills when caring for clients undergoing diagnostic testing

Perform diagnostic testing (e.g., electrocardiogram, oxygen saturation, glucose monitoring)*

Perform fetal heart monitoring

Monitor results of maternal and fetal diagnostic tests (e.g., non-stress test, amniocentesis, ultrasound)

Monitor the results of diagnostic testing and intervene as needed*

Laboratory Values

Identify laboratory values for ABGs (pH, PO₂, PCO₂, SaO₂, HCO₃), BUN, cholesterol (total) glucose, hematocrit, hemoglobin, glycosylated hemoglobin (HgbA_{1c}), platelets, potassium, sodium, WBC, creatinine, PT, PTT & APTT, INR

Compare client laboratory values to normal laboratory values

Educate client about the purpose and procedure of prescribed laboratory tests

Obtain blood specimens peripherally or through central line*

Obtain specimens other than blood for diagnostic testing (e.g., wound, stool, urine)*

Monitor client laboratory values (e.g., glucose testing results for the client with diabetes)

Notify primary health care provider about laboratory test results

Potential for Alterations in Body Systems

Identify client potential for aspiration (e.g., feeding tube, sedation, swallowing difficulties)

Identify client potential for skin breakdown (e.g., immobility, nutritional status, incontinence)

Identify client with increased risk for insufficient vascular perfusion (e.g., immobilized limb, post surgery, diabetes)

Educate client on methods to prevent complications associated with activity level/diagnosed illness/disease (e.g., contractures, foot care for client with diabetes mellitus)

Compare current client data to baseline client data (e.g., symptoms of illness/disease)

Monitor client output for changes from baseline (e.g., nasogastric [NG] tube, emesis, stools, urine)

Potential for Complications of Diagnostic Tests/Treatments/Procedures

Assess client for an abnormal response following a diagnostic test/procedure (e.g., dysrhythmia following cardiac catheterization)

Apply knowledge of nursing procedures and psychomotor skills when caring for a client with potential for complications

Monitor the client for signs of bleeding

Position the client to prevent complications following tests/treatments/procedures (e.g., elevate head of bed, immobilize extremity)

Insert, maintain and remove a gastric tube*

Insert, maintain and remove a urinary catheter*

Insert, maintain and remove a peripheral intravenous line*

Maintain tube patency (e.g., NG tube for decompression, chest tubes)

Use precautions to prevent injury and/or complications associated with a procedure or diagnosis*

Provide care for client undergoing electroconvulsive therapy (e.g., monitor airway, assess for side effects, teach client about procedure)

Intervene to manage potential circulatory complications (e.g., hemorrhage, embolus, shock)

Intervene to prevent aspiration (e.g., check NG tube placement)

Intervene to prevent potential neurological complications (e.g., foot drop, numbness, tingling)

Evaluate responses to procedures and treatments*

Potential for Complications from Surgical Procedures and Health Alterations

Apply knowledge of pathophysiology to monitoring for complications (e.g., recognize signs of thrombocytopenia)

Evaluate the client's response to post-operative interventions to prevent complications (e.g., prevent aspiration, promote venous return, promote mobility)

Sample Item

The nurse has taught a client who is scheduled for a colonoscopy. Which of the following statements by the client would require follow up?

1. "I will not be able to eat or drink anything for 24 hours before the procedure." **(key)**
2. "I may experience abdominal cramping after the procedure."
3. "I will be sedated during the procedure."
4. "I will be placed in the knee-chest position for the procedure."

Physiological Adaptation

Physiological Adaptation – the nurse manages and provides care for clients with acute, chronic or life threatening physical health conditions.

PHYSIOLOGICAL ADAPTATION	
Related Activity Statements from the	-
<p>Assist with invasive procedures (e.g., central line, thoracentesis, bronchoscopy)</p> <p>Implement and monitor phototherapy</p> <p>Maintain optimal temperature of client (e.g., cooling and/or warming blanket)</p> <p>Monitor and care for clients on a ventilator</p> <p>Monitor and maintain devices and equipment used for drainage (e.g., surgical wound drains, chest tube suction, negative pressure wound therapy)</p> <p>Perform and manage care of client receiving peritoneal dialysis</p> <p>Perform suctioning (e.g., oral, nasopharyngeal, endotracheal, tracheal)</p> <p>Provide wound care or dressing change</p> <p>Provide ostomy care and education (e.g., tracheal, enteral)</p> <p>Provide pulmonary hygiene (e.g., chest physiotherapy, incentive spirometry)</p> <p>Provide postoperative care</p> <p>Manage the care of the client with a fluid and electrolyte imbalance</p> <p>Monitor and maintain arterial lines</p> <p>Manage the care of a client with a pacing device (e.g., pacemaker)</p> <p>Manage the care of a client on telemetry</p> <p>Manage the care of a client receiving hemodialysis or continuous renal replacement therapy</p> <p>Manage the care of a client with alteration in hemodynamics, tissue perfusion and hemostasis (e.g., cerebral, cardiac, peripheral)</p> <p>Educate client regarding an acute or chronic condition</p> <p>Manage the care of a client with impaired ventilation/oxygenation</p> <p>Evaluate the effectiveness of the treatment regimen for a client with an acute or chronic diagnosis</p> <p>Perform emergency care procedures (e.g., cardio-pulmonary resuscitation, respiratory support, automated external de</p>	

Fluid and Electrolyte Imbalances

- Identify signs and symptoms of client fluid and/or electrolyte imbalance
- Apply knowledge of pathophysiology when caring for the client with fluid and electrolyte imbalances
- Manage the care of the client with a fluid and electrolyte imbalance*
- Evaluate the client's response to interventions to correct fluid or electrolyte imbalance

Hemodynamics

- Assess client for decreased cardiac output (e.g., diminished peripheral pulses, hypotension)
- Identify cardiac rhythm strip abnormalities (e.g., sinus bradycardia, premature ventricular contractions [PVCs], ventricular tachycardia, fibrillation)
- Apply knowledge of pathophysiology to interventions in response to client abnormal hemodynamics
- Provide client with strategies to manage decreased cardiac output (e.g., frequent rest periods, limit activities)
- Intervene to improve client cardiovascular status (e.g., initiate protocol to manage cardiac arrhythmias, monitor pacemaker functions)
- Monitor and maintain arterial lines*
- Manage the care of a client with a pacing device (e.g., pacemaker)*
- Manage the care of a client on telemetry*
- Manage the care of a client receiving hemodialysis or continuous renal replacement therapy*
- Manage the care of a client with alteration in hemodynamics, tissue perfusion and hemostasis (e.g., cerebral, cardiac, peripheral)*

Illness Management

- Identify client data that needs to be reported immediately
- Apply knowledge of client pathophysiology to illness management
- Educate client regarding an acute or chronic condition*
- Educate client about managing illness (e.g., acquired immune deficiency syndrome [AIDS], chronic illnesses)
- Implement interventions to manage the client's recovery from an illness
- Perform gastric lavage
- Promote and provide continuity of care in illness management activities (e.g., cast placement)
- Manage the care of a client with impaired ventilation/oxygenation*
- Evaluate the effectiveness of the treatment regimen for a client with an acute or chronic diagnosis*

Medical Emergencies

- Apply knowledge of pathophysiology when caring for a client experiencing a medical emergency

- Explain emergency interventions to a client
- Notify primary health care provider about client unexpected response/emergency situation
- Perform emergency care procedures (e.g., cardio-pulmonary resuscitation, respiratory support, automated external defibrillator)*
- Provide emergency care for wound disruption (e.g., evisceration, dehiscence)
- Evaluate and document the client's response to emergency interventions (e.g., restoration of breathing, pulse)

Pathophysiology

- Identify pathophysiology related to an acute or chronic condition (e.g., signs and symptoms)*
- Understand general principles of pathophysiology (e.g., injury and repair, immunity, cellular structure)

Unexpected Response to Therapies

- Assess the client for unexpected adverse response to therapy (e.g., increased intracranial pressure, hemorrhage)
- Recognize signs and symptoms of complications and intervene appropriately when providing client care*
- Promote recovery of the client from unexpected response to therapy (e.g., urinary tract infection)

Sample Item
<p>The nurse is assessing a client with hyperthyroidism. Which of the following findings would the nurse expect to observe? Select all that apply.</p> <ol style="list-style-type: none">1. increased appetite (key)2. lethargy3. diarrhea (key)4. exophthalmos (key)5. weight gain6.

Reviewing Answers and Guessing

The items are presented to the candidate one at a time on a computer screen. Each item can be viewed as long as the candidate likes, but it is not possible to go back to a previous item once the answer is selected and confirmed by pressing the <NEXT> button. Every item must be answered even if the candidate is not sure of the right answer. The computer will not allow the candidate to go on to the next item without answering the one on the screen. If the candidate is unsure of the correct answer, the best guess is made and the candidate moves on to the next item. After an answer to an item is selected, the candidate has a chance to think about the answer and change it if necessary. However, once the candidate confirms the answer and goes on to the next item, the candidate will not be allowed to go back to any previous item on the examination.

Please note that rapid guessing can drastically lower the score. Some test preparation companies have realized that on certain pencil and paper tests, unanswered items are marked as wrong. To improve the candidate's score when they are running out of time, these companies sometimes advocate rapid guessing (perhaps without even reading the item) in the hope that the candidate will get at least a few items correct. On any adaptive test, this can be disastrous. It has the effect of giving the candidate easier items which he or she will likely also get wrong. The best advice is to (1) maintain a reasonable pace, perhaps one item every minute or two; and (2) carefully read and consider each item before answering.

Scoring the NCLEX®

Computerized Adaptive Testing (CAT)

The NCLEX is different than a traditional pencil and paper examination. Typically, pencil and paper examinations administer the same items to every candidate, thus ensuring that the difficulty of the examination is the same across the board. Because the difficulty of the examination is constant, the percentage correct is the indicator of the candidate's ability. One disadvantage of this approach is that it is inefficient. It requires the high ability candidates to answer all of the easy items on the examination, which provides very little information about his or her ability. Another disadvantage is that guessing can artificially inflate the scores of low ability candidates, because they can answer these items correctly 25 percent of the time for reasons that have nothing to do with his or her ability.

Instead, the NCLEX uses CAT to administer the items. CAT is able to produce exam results that are more stable using fewer items by targeting items to the candidate's ability. The computer's goal during the NCLEX is to determine the ability of the candidate in relation to the passing standard. Every time the candidate answers an item, the computer re-estimates the candidate's ability. With each additional answered item, the ability estimate becomes more precise.

Each item that the candidate receives is selected from a large pool of items using three criteria:

1. The item is limited to the content area that will produce the best match to the test plan percentages. It is ensured that each candidate's exam has enough questions from each content area to match the required test plan percentages.
2. An item is selected that the candidate is expected to find challenging. Based on the candidate's answers up to that point and the difficulty of those items, the computer estimates the candidate's ability and selects an item that the candidate should have a 50 percent chance of answering correctly. This way, the next item should not be too easy or too hard and the examination can get maximum information about the candidate's ability from the item.
3. Excludes any item that a repeat candidate has seen in the last year.

Pretest Items

For CAT to work, the difficulty of each item must be known in advance. The degree of difficulty is determined by administering the items as pretest items to a large sample of NCLEX candidates. Because the difficulty of these pretest items is not known in advance, these items are not included when estimating the candidate's ability or making pass-fail decisions. When enough responses are collected, the pretest items are statistically analyzed and calibrated. If the pretest items meet the NCLEX statistical standards, they can be administered in future examinations as scored items. There are 15 pretest items on every NCLEX-RN examination. It is impossible to distinguish operational items from pretest items, so candidates are asked to do their best on every item.

Passing and Failing

The decision as to whether a candidate passes or fails the NCLEX is governed by three different scenarios:

Scenario 1: The 95% Confidence Interval Rule

This scenario is the most common for NCLEX candidates. The computer will stop administering items when it is 95% certain that the candidate's ability is either clearly above or clearly below the passing standard.

Scenario 2: Maximum-Length Exam

Some candidate's ability levels will be very close to the passing standard. When this is the case, the computer continues to administer questions until the maximum number of items is reached. At this point, the computer disregards the 95% confidence rule and considers only the final ability estimate:

If the final ability estimate is above the passing standard, the candidate passes.

If the final ability estimate is at or below the passing standard, the candidate fails.

Scenario 3: Run-Out-Of-Time Rule (R.O.O.T.)

If a candidate runs out of time before reaching the maximum number of items and the computer has not determined with 95% certainty whether the candidate has passed or failed, an alternate criteria is used.

If the candidate has not answered the minimum number of required items, the candidate automatically fails.

If at least the minimum number of required items were answered, the computer looks at the last 60 ability estimates.

If the last 60 ability estimates were consistently above the passing standard, the candidate passes.

If the candidate's ability estimate drops below the passing standard even once over the last 60 items, the candidate fails.

This does not mean that the candidate must answer the last 60 items correctly. Each ability estimate is based upon all previous items answered.

Scoring Items

The majority of items in the NCLEX are multiple-choice, but there are other formats as well. Items are scored as either right or wrong. There is no partial credit. For updated information on the administration of the examination, access the NCSBN website at www.ncsbn.org.

Types of Items on the NCLEX-RN® Examination

During the administration of the NCLEX-RN examination candidates will be required to respond to items in a variety of formats. These formats may include, but are not limited to: multiple-choice, multiple response, fill-in-the-blank calculation, ordered response, and/or hot spots. All item types may include multimedia, such as charts, tables, graphics, sound and video.

For more information, please visit the NCSBN website at www.ncsbn.org to review the information about Alternate Item Formats.

NCLEX® Examination Terminology

Client: Individual, family or group which includes significant others and population.

Prescription: Orders, interventions, remedies or treatments ordered or directed by an authorized primary health care provider.

Primary Health Care Provider: Member of the healthcare team (usually a medical physician [or other specialty, e.g., surgeon, nephrologist, etc.], nurse practitioner, etc.), licensed and authorized to formulate orders/prescriptions on behalf of the client.

Confidentiality

Candidates should be aware and understand that the disclosure of examination items before, during, or after the examination is a violation of law. Violations of confidentiality and/or candidates' rules can result in criminal prosecution or civil liability and/or disciplinary actions by the licensing agency including the denial of licensure.

Tutorial

Each NCLEX-RN candidate is provided information on how to answer examination items. A tutorial is given to the candidate before the examination.

1.1.1 Cn. (n Anv r):

The screenshot shows a software interface for an NCLEX-RN tutorial. At the top, there is a blue header with the text "NCLEX-RN Tutorial" and a "Time Remaining 0" indicator. Below the header is a "Calculator" button. The main content area is titled "Practice Item Type #1: Multiple-Choice Item". It contains instructional text: "In this item type, you will be presented with a question and asked to select the correct answer. The correct answer is preceded by circles. You can select only one option as your answer. You can use the number keypad to select an answer." Below this, it says: "For the practice item below, the correct answer is option 3. Select option 3 now. If you selected a different answer, you will be notified. Click **Next** to confirm your answer and move to the next practice item." The question is "What color is an orange?". The options are: "1. Blue", "2. Brown", "3. Orange", and "4. Pink". The radio button for option 3 is selected.

Practice Item Type #1: Multiple-Choice Item

In this item type, you will be presented with a question and asked to select the correct answer. The correct answer is preceded by circles. You can select only one option as your answer. You can use the number keypad to select an answer.

For the practice item below, the correct answer is option 3. Select option 3 now. If you selected a different answer, you will be notified. Click **Next** to confirm your answer and move to the next practice item.

What color is an orange?

- 1. Blue
- 2. Brown
- 3. Orange
- 4. Pink

1 2 3 4 5 6 7 8 9 0 :

The screenshot shows a software interface for an NCLEX-RN tutorial. At the top, there is a blue header bar with the text "NCLEX-RN Tutorial" and "Live" on the right. Below the header is a white area with a blue border. The main content is a practice item titled "Practice Item Type #2: Multiple-Response Item". The text explains that in this item type, users are presented with a question and a list of options and are asked to select all that apply. It notes that this differs from a single-response multiple-choice item where only one option can be selected. For the practice item shown, the correct options are "Apple" and "Banana". The interface includes a list of five options, each with an unchecked checkbox. The options are: 1. Apple, 2. Banana, 3. Cow, 4. Dog, and 5. Elephant. Below the list, there is a prompt to click "Next" to confirm the answer and move to the next practice item.

Calculator

Practice Item Type #2: Multiple-Response Item

In this item type, you will be presented with a question and a list of options and asked to select all the options that apply.

Note how this item type differs from the single-response multiple-choice item you saw earlier. In this item type, the options are preceded by square boxes. You can check more than one box. In the previous item type, the options are preceded by circles and you can only select one option.

For the practice item shown below, the correct options are *Apple* and *Banana* (options 1 and 2). Please use your mouse to check *Apple* and *Banana* now. The check mark indicates that you have selected that response option. To deselect the response, click on the box again. The check mark will disappear, indicating that you have deselected that response option.

Click **Next** to confirm your answer and move to the next practice item.

Which of the following are fruits? **Select all that apply.**

- 1. Apple
- 2. Banana
- 3. Cow
- 4. Dog
- 5. Elephant

11-10-10 -B .n :

NCLEX-RN® Test Plan

Time Remaining 05:59:43

5 of 8

Calculator

Practice Item Type #3: Fill-in-the-Blank Item

In this item, you will be presented with a question that requires you to enter a decimal point if appropriate. To change your answer, use the backspace key to delete the number and type another number. You will only be able to type in numbers as your answer. If you try to type any other characters, you will be presented with a message box asking you to try again.

To use the calculator, click on the calculator button in the upper left-hand corner of the screen. To enter numbers in the calculator, you can use the mouse to click on the calculator's buttons or use the number keypad on your keyboard. When you are finished with the calculator, you can close the calculator by clicking on the X in the top right corner of the calculator.

For the practice item below, first open the calculator. Second, compute a total weight by adding the weight of four pumpkins. Third, compute the average by dividing the total weight by the number of pumpkins. The division symbol is \div . Your calculator should read 3.75.

You have to type in the calculation. Please type 3.8 as your answer.

Click **Next** to confirm your answer and move to the next practice item.

The weights of four pumpkins in kilograms are 4, 3, 2, 1.5, 3, 4, 2, 3. What is the average (mean) of the pumpkins' weights? Round your answer using one decimal place.

Answer: kilograms

← Previous | Next →

NCLEX-RN Tutorial

Choice Item Type #4: Hot Spot

In this item type, you will be presented with a problem and a figure. You will be asked to use the figure to answer the question. An X will appear to show your answer. To deselect your answer, place the cursor on the X and click again. To be reassessed, to change your answer, place the cursor to a different area on the figure.

For this question, you will be asked to identify the box in the upper left-hand corner of the figure. Click **next** to confirm your answer.

The following figure contains four boxes. Which box is in the upper left-hand corner?

Box 1	Box 2
Box 3	Box 4

← Previous Next →

Exhibit:

NCLEX-RN Tutorial Time remaining 05:59:39

Calculator

In this item type:

For the practice item below, the exhibit should contain the three tabs. Each tab contains the monthly receipts for purchasing bakery supplies:

- Storage/Packaging Materials
- Baking Ingredients
- Miscellaneous Supplies

The question asks you to find the most expensive item that is listed in the exhibit. The most expensive item is the storage bin, which is on the storage/packaging materials list. Therefore, option 2 below is the correct answer.

Click **Next** to confirm your answer and **Save** to the next practice item.

Exhibit

The owner of a bakery would like to purchase supplies. Based upon receipts from the past month, which item was the most expensive?

- 1. baking trays
- 2. storage bin
- 3. flour
- 4. pastry bags

Exhibit

Storage/Packaging Materials Baking Ingredients Miscellaneous Supplies

Item	Charge
10" cake boxes	\$55.00
Paper bags - large	\$20.85
Bread bags	\$25.50
Package labels	\$10.99
Storage bin	\$175.00
TOTAL	\$287.34

Close

← Previous Next →

Drag and Drop / Ordered Response

NCLEX-RN Tutorial Remaining 05:26
6 of 8

Calculator

Practice Item Type #6: Drag and Drop/Ordered Response Item

In this item type, you will be presented with a problem and a list of options. You will be asked to place the options in a specified order, such as numerical, alphabetical or chronological.

The unordered options will appear in a box on the left side of your screen. To place the options in a new order, click on an option and drag it to the box on the right side of your screen. You may also highlight the option in the left-hand box, and then click the right arrow key to move the option. To rearrange the order of options once they have been placed in the right-hand box, select the option you would like to move and click the up or down arrow keys. You may also click and drag it to a new position within the right-hand box. If you are moving an item, you must move all options from the left-hand box to the right-hand box.

For the practice item below, you should move the list of months (by dragging or using the arrow button) to the right so that the list is in alphabetical order: April, February, January, June, March, May. If you do not have the months in this order, please re-arrange them.

Click Next to confirm your answer and proceed to the next question.

The first six months of the year are listed below.

Unordered Options	Ordered Response
May	April
January	February
	June
	March

A screenshot:

The screenshot shows a computer monitor displaying the NCLEX-RN interface. At the top, there is a blue header with the NCLEX-RN logo and a 'Calculator' button. Below the header, the main content area is light blue and contains the following text: 'Practice Item Type #7: Audio Item', 'In this item type, you will be presented with an audio clip. You will need to listen to the audio clip and select the option(s) that apply.', 'Place your headset on now.', 'Click the play button below to listen to the audio clip.', 'You can adjust the volume by clicking and moving the slider.', 'Click the play button again to repeat the audio clip.', 'For the audio clip, the correct answer is Corn (option 2). Please use your mouse to select Corn now.', and 'Click Next to confirm your answer and move to the next practice item.' Below this text is an audio player interface with a play button, a volume slider, and a progress bar. At the bottom of the main content area, there is a question: 'Listen to the audio clip. The price is rising for which type of grain?' followed by four radio button options: '1. Wheat', '2. Corn', '3. Oats', and '4. Beans'. The '2. Corn' option is selected. At the bottom right of the screen, there are navigation buttons: 'Previous' and 'Next'.

NCLEX-RN Tutorial Time Remaining 0:00 8 of 8





Practitioner Data for Graphic Item

In this item type, you will be presented with a question and options that are graphics instead of text. The options are preceded by circles so you can select only one option as your answer.

For the practice item below, the correct option is 1. Please use your mouse to select the correct option.

Click **Next** to confirm your answer and move to the next practice item.

Which road sign indicates a place where you can get help?

- 1. 
- 2. 
- 3. 
- 4. 

[← Previous](#) [Next →](#)

VI. References

- American Educational Research Association, American Psychological Association, National Council on Measurement in Education. (2014). *Standards for educational and psychological testing*. Washington, DC: American Educational Research Association.
- Anderson, L.W. & Krathwohl, D.R. (Eds). (2001). *Taxonomy of learning objectives: Classification of educational goals and domains*. New York: Addison Wesley Longman, Inc.
- Bloom, B.S., Engelhart, M.D., Furst, E.J., Hill, W.H., & Krathwohl, D.R. (1956). *Taxonomy of educational objectives: The classification of educational goals in the domain of cognition*. New York: David McKay.
- Browning A. & Bugbee, A. (2000). *Standards for professional nursing practice*. Washington, DC: National Organization of Competency Assurance.
- National Council of State Boards of Nursing, Inc. (2005). *Standards for nursing practice*. Chicago: Author.
- National Council of State Boards of Nursing, Inc. (2014). *Standards for nursing practice*. Chicago: Author.
- National Council of State Boards of Nursing, Inc. (2014). *Standards for nursing practice*. Chicago: Author.
- National Council of State Boards of Nursing, Inc. (2016). *Standards for nursing practice*. Chicago: Author.
- National Council of State Boards of Nursing, Inc. (2015). *Standards for nursing practice*. Chicago: Author.
- National Council of State Boards of Nursing, Inc. (2015). *Standards for nursing practice*. Chicago: Author.

Unit C, Unit F, and Briefing Unit (CBU)

111 E. Superior Drive, Suite 2900

Chicago, IL 60601-4277 USA

312.525.3600 www.mca.com

+1.312.525.3600 info@unitc.com

866.293.9600 unitc@mcagroup.com

312.279.1036 unitc@mcagroup.com