

Test Blueprint						
Concept/Competency	Learning Outcome	Client Need	Activity statement	Integrated process	level of cognitive domain	question #
Pharmacological therapies	develop patient education	Physiological Adaptation	Educate client about medications	teaching and learning	Create	1
Management of Care	Assist client in maintaining autonomy	Safe and Effective Care Environment	Advocate for client's rights and needs	Caring	Applying	2
Management of Care	Provide teaching/coaching to patients and staff	Physiological Adaptation	Delegate and supervise care of client provided by others	Caring	Applying	3
Health Promotion	Provide teaching/coaching to staff	Safe and Effective Care Environment	Educate staff about patient's right and responsibilities	Communication/Documentation	Analyzing	4
Health Promotion	Evaluate need for education	Physiological Integrity	Provide care and education to adult patient	Clinical problem solving	Evaluating	5
Safety	Provide care that addresses individual needs	Safe and Effective Care Environment	Advocate for clients rights and needs	Nursing process	Applying	6
Safety/Infection Control	Develop skin care plan	Health Promotion and Maintenance	Protect client from injury	Nursing Process	Analyzing	7
Safety	Recognize polypharmacy	Safe and Effective Care Environment	Assess patient's current medications	Clinical problem solving	Applying	8
Safety	Responding to patient change in condition	Physiological Integrity	Evaluate client responses to procedures and treatments	Clinical Judgment	Analyzing	9
Health Promotion	Provide coaching and teaching	Physiological Integrity	Assist client to compensate for physical or sensory impairment	Clinical Judgment	Analyzing	10
Risk Reduction	Provide education	Safe and Effective Care Environment	Provide education for newborn client birth-2 yrs	Teaching/Learning	Applying	11
Safety/Infection control	Provide education	Health Promotion and Maintenance	Educate client regarding infection prevention	Teaching/Learning	Applying	12
Safety	Ongoing assessment of patient condition	Physiological Integrity	Assess client and intervene as necessary	Clinical Judgment	Analyzing	13
Basic Care and Comfort	Recognize child needs and provide comfort	Psychosocial Integrity	Assess client support system to aid in plan of care	Caring	Applying	14
Infection Control	Assess client's TB test result	Physiological Integrity	Verify appropriateness of accuracy of treatment order	Communication/Documentation	Analyzing	15
Health Promotion and Maintenance	Educate Client about risks of unnecessary antibiotic use	Physiological Integrity	Assess readiness to learn	Culture and Spirituality	Applying	16
Infection Control	Intervene to isolate patient	Safe and Effective Care Environment	Assess client care environment	Clinical problem solving	Applying	17
Patient Safety	Verify lab values	Physiological Integrity	Monitor IV infusion & maintain site	Nursing process	Analyzing	18
Physiological	Assess readiness to learn	Physiological Integrity	Educate patient regarding chronic condition	Teaching/Learning	Applying	19
Psychosocial Integrity	Deliver patient-centered care	Psychosocial Integrity	Use therapeutic communication	Caring	Applying	20
Risk Reduction	Assess patient knowledge of disease process	Physiologic Integrity	Educate client regarding treatments	Clinical problem solving	Evaluating	21

		Psychologic Integrity	Educate client regarding treatment	Problem solving	Analyzing	22
Pharmacological Therapy	Evaluate treatment of DKA	Physiologic Integrity	Evaluate effectiveness of treatment plan for acute diagnosis	Nursing Process	Analyzing	22
Risk Reduction	Obtain thorough client history	Physiologic Integrity	Recognize trends/changes in client condition	Clinical Judgment	Analyzing	23
Risk Reduction	Expect fluid orders	Physiologic Integrity	Recognize trends/changes intervene as needed	Clinical problem solving	Analyzing	24
Health Promotion	Educate patient regarding disease process	Physiologic Integrity	Evaluate client intake and output and intervene as needed	Teaching/Learning	Evaluate	25
Physiologic Adaptation	Assess drainage for glucose	Physiologic Integrity	ID pathophysiology of acute condition	Clinical problem solving	Analyzing	26
Physiologic Adaptation	Intervene to maintain airway	Physiologic Integrity	Manage care of client with impaired ventilation/oxygenation	Clinical problem solving	Applying	27
Physiologic Adaptation	Plan to give IV fluids	Physiologic Integrity	Manage care of client with fluid and electrolyte imbalance	Clinical problem solving	Analyzing	28
Physiological Adaptation	Assess when insulin is taken	Physiologic Integrity	Educate client with chronic condition	Teaching/Learning	Evaluating	29
Physiologic Integrity	Assess readiness to learn	Physiologic Integrity	Educate client with chronic condition	Teaching/Learning	Evaluating	30
Physiological Adaptation	Assess vital signs	Physiologic Integrity	ID pathophysiology related to chronic condition	Clinical problem solving	Analyzing	31
Pharmacological Therapy	Perform physical assessment	Physiologic Integrity	Evaluate patient response to medication	Clinical problem solving	Analyzing	32
Pharmacological Therapy	Assess current medication list	Physiologic Integrity	Review pertinent data regarding potential interactions	Clinical problem solving	Applying	33
Pharmacological Therapy	Assess medications taken	Physiologic Integrity	Educate client about medications	Clinical problem solving	Applying	34
Pharmacological Therapy	Assess lab values	Physiologic Integrity	Evaluate client response to medication	Clinical Judgment	Analyzing	35
Pharmacological Therapy	Assess for adverse reaction	Physiologic Integrity	Educate client regarding medications	Teaching/Learning	Analyzing	36
Pharmacological Therapy	Analyze lab values	Physiologic Integrity	Review pertinent data prior to administration of medication	Clinical problem solving	Analyzing	37
Pharmacological Therapy	Educate patient regarding risk of constipation	Physiologic Integrity	Educate client regarding medication side effects	Teaching/Learning	Evaluating	38
Pharmacological Therapy	Educate patient about importance of oral hygiene	Physiologic Integrity	Educate patient regarding medication side effects	Teaching/Learning	Evaluating	39
Pharmacological Therapy	Plan for medication administration	Physiologic Integrity	Handle and administer high risk medications safely	Clinical problem solving	Analyzing	40
Psychosocial Integrity	Implement parameters for client behaviors	Psychosocial Integrity	Incorporate behavior management techniques while caring for client	Caring	Applying	41
Psychosocial Integrity	Discuss coping techniques	Psychosocial Integrity	Assess ability to cope with life changes and provide support	Caring	Evaluating	42
Health Promotion	Physical assessment	Safe and Effective Care Environment	Perform targeted screening assessment	Clinical Judgment	Analyzing	43
Infection Control	Isolate patient and pro-	Safe and Effective Care	Apply infection prevention principles	Communication/Documentation	Analyzing	44

Infection Control	Isolate patient and provide supportive care	Safe and Effective Care Environment	Apply infection prevention principles	Communication/Documentation	Analyzing	44
Risk Reduction	Assess labs, provide IV fluids	Physiological Integrity	Monitor diagnostic testing and intervene as needed	Clinical problem solving	Analyzing	45
Health Promotion	Assess client's readiness to learn	Physiological Integrity	Educate client regarding preventive care and health maintenance	Clinical problem solving	Evaluating	46
Physiologic Adaptation	ID cause of imbalance	Physiological Integrity	Manage care of patient with fluid and electrolyte imbalance	Nursing process	Analyzing	47
Physiological Adaptation	Pathophysiology of acute condition	Physiological Integrity	Recognize signs and symptoms of complications and intervene	Clinical judgment	Analyzing	48
Physiological Adaptation	ID possible complications	Physiological Integrity	Provide post-op care	Clinical judgment	Analyzing	49
Physiological Adaptation	Assess readiness to learn	Physiological Integrity	Assess client ability to manage in home environment	Teaching/Learning	Evaluating	50

(National Council of State Boards of Nursing, Inc. (NCSBN), 2023)

Determine if the number of questions per area is appropriate.

My interpretation of the questions per area does not match exactly with the National Council of State Boards of Nursing. I was closest in the Reduction of Risk Potential category and farthest off in the Management of Care category.

	My Classifications	NCSBN Classifications
Pharmacological Therapies:	22%	16%
Management of Care	4%	18%
Health Promotion and Maintenance	14%	9%
Safety/Infection Control	20%	13%
Reduction of Risk Potential	10%	12%
Basic Care & Comfort	2%	9%
Physiological Adaptation	22%	14%

Psychosocial Integrity	6%	9%
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(Billings & Halstead, 2023, Fukada, 2018, NCSBN, 2023)

Analyze the test blueprint results to determine if the test evaluates the learning outcomes and aligns with the concept/competency.

I think the test as I blueprinted it did adequately evaluate the learning outcomes and aligns with the concept/competencies in all the categories except Management of Care where I was off by 14 points, but the other categories are all within 10 points of the NCSBN guidelines.

Interpret the findings after completing the test blueprint (Bloom's Taxonomy, level of cognitive ability, client needs). What level of student would take this exam?

This test would be administered to senior level nursing students who have completed their pediatrics and adult courses and their clinical assignments. These students would have completed, or nearly completed their course work and be ready to take their licensing examination.

References

- Billings, D. M., & Halstead, J. A. (2023). *Teaching in Nursing - E-Book: Teaching in Nursing - E-Book*. Elsevier Health Sciences.
- Fukada, M. (2018). Nursing competency: Definition, structure and development. *Yonago Acta Medica*, 61(1), 001–007. <https://doi.org/10.33160/yam.2018.03.001>
- National Council of State Boards of Nursing, Inc. (NCSBN). (2023). *2023 NCLEX-RN® Test Plan*. https://www.nclex.com/files/2023_RN_Test%20Plan_English_FINAL.pdf