**Clinical Evaluation Methods –topic**

1. **Knowledge & Recall Questions**
* Define clinical evaluation methods in the context of nursing education.
* List three purposes of using clinical evaluation methods in nursing education.
* What are the main types of observational techniques used in clinical evaluation?
* Name at least four types of rating scales mentioned in the presentation.
* What is the difference between formative and summative clinical evaluation?
* What essential elements should be included in anecdotal notes about student performance?
* What is a checklist, and how is it used in clinical evaluation?
1. **Comprehension & Understanding Questions:**
* Explain why it is important to use multiple strategies for clinical evaluation in nursing education.
* Describe two potential threats to the validity and reliability of observational techniques.
* How do checklists differ from rating scales in clinical evaluation?
* Why should evaluation methods be varied according to the presentation?
* Summarize the factors a teacher should consider when selecting clinical evaluation methods.
1. **Application & Scenario-Based Questions:**
* You are a nursing instructor with a large group of students and limited simulation resources. Which evaluation methods would you prioritize and why?
* Given a scenario where a student repeatedly performs a skill incorrectly, which clinical evaluation method would best help you document and address the issue?
* How would you use simulation as a clinical evaluation method to assess communication skills in nursing students?
* If you notice a student is not progressing as expected, how might formative evaluation help guide your teaching?
1. **Analysis & Critical Thinking Questions:**
* Compare and contrast anecdotal notes and checklists as tools for clinical evaluation. What are the strengths and limitations of each?
* Discuss how teacher bias can impact the outcomes of observational evaluations. What steps can be taken to minimize this bias?
* Analyze the role of self-assessment in clinical evaluation. How can it contribute to a student’s professional development?
* Evaluate the effectiveness of using rating scales with qualitative versus quantitative labels in assessing student performance.
1. **Reflection & Discussion Questions:**
* Reflect on a time when you (or a peer) received feedback from a clinical evaluation. How did the method of evaluation affect your learning experience?
* What challenges do you foresee in implementing objective structured clinical examinations (OSCEs) in your institution?
* How can clinical evaluation methods be adapted for distance education in nursing?
* In your opinion, which clinical evaluation method best prepares students for real-world nursing practice and why?
1. **Short Quiz (Multiple Choice)**
* Which of the following is NOT a type of rating scale?

 a) Dichotomous

 b) Category

 c) Randomized

 d) Frequency

* Formative evaluation is primarily used to:

 a) Assign final grades

 b) Monitor student progress during learning

 c) Replace summative evaluation

 d) None of the above

- Which of the following is a threat to the validity of observational techniques?

 a) Teacher bias

 b) Student preparation

 c) Use of simulations

 d) Group projects

**Programs Assessment and Evaluation topic:**

**Knowledge & Recall:**

* List two main types of program evaluators and describe their roles.
* Name the three main models used for program assessment in nursing education.
* What are the two types of accreditation described in the presentation?
* Identify the four fundamental components of learner-centered assessment.

**Comprehension:**

* Explain the main objective of program assessment.
* Describe the difference between formative and summative evaluation.
* Summarize the purposes of program assessment and evaluation.
* Why is it important to involve stakeholders in program assessment?
* What is the role of a logic model in program evaluation?

**Application:**

* You are evaluating a new nursing program. Which type of evaluation would you use at the planning stage and why?
* How would you assess the effectiveness of an online nursing program using the 10 critical elements outlined in the presentation?
* If a program is not meeting its intended outcomes, what steps would you take based on the systems-oriented model?
* How can the CIPP (Context, Input, Process, Product) model be applied to improve a nursing curriculum?

**Analysis:**

* Compare and contrast internal and external evaluators in terms of their strengths and limitations.
* Analyze how formative and summative assessments contribute differently to program improvement.
* Discuss the importance of cost-effectiveness and efficiency in program evaluation.
* Evaluate the impact of accreditation on program quality and accountability.

**Evaluation & Reflection**

* Reflect on the statement: “The end of assessment is action.” What does this mean for program improvement?
* In your opinion, which program assessment model (accreditation, decision-oriented, or systems-oriented) is most effective for nursing education, and why?
* How can assessment results be used to improve teaching and learning in nursing programs?
* What challenges might arise when assessing competency-based programs, and how can they be addressed?

**Multiple Choice:**

Which of the following is NOT a purpose of program assessment?

 a) To provide evidence of educational effectiveness

 b) To assign grades to individual students

 c) To inform decision-making

 d) To support accountability demands

Which stage of program development requires a needs assessment to understand the size and scope of the problem?

 a) Program planning

 b) Established program

 c) Perceived problem/no intervention

 d) Outcome assessment

The CIPP model stands for:

 a) Context, Input, Process, Product

 b) Curriculum, Implementation, Performance, Product

 c) Context, Implementation, Program, Product

 d) Curriculum, Input, Process, Performance

Test construction:

What are steps of test construction?

What is the role of artificial technology in test construction?

Interpretation of test scores:

-What is the importance of interpretation of test scores?

-What are the steps of technology integration in test interpretation?

-The following scores represent 4th year students' performance in mid-term nursing management, Number of students: 15 ,

Students' scores: [78, 85, 90, 92, 88, 76, 90, 84, 95, 91, 87, 90, 82, 89, 77]. , estimate mean, mode, median, and range?

**Select response items true, false and matching**

**1- Discuss the Principles for Writing True–False Items and then critique these questions?**

|  |  |  |
| --- | --- | --- |
| **false(b)** | **True (a)** | **Statement** |
|  |  | **In Passive role physician uses Clinical Decision Support when advice needed** |
|  |  | **Minicomputer is a multi-user computer capable of supporting up to hundreds of users at the same time** |
|  |  | **Any virus can impact computer hard ware** |
|  |  | **Electronic health Records (EHR) contains the standard medical and clinical data gathered in one provider's office.** |
|  |  | **Goal of point of care system is to minimize access to information.** |

**2- Discuss the Principles for Writing Matching Exercises and then critique these questions?**

|  |  |  |
| --- | --- | --- |
| **NO** | **Column (A)** | **Column ( B)** |
| 1 | Robot for medical dispensing | A. The educational web sites that offering worksheets and interactive exercises for students. |
| 2 | Management information system | B. A private network within an organization that used to provide information to their employees. |
| 3 | Simulation | C. The realistic replications for clinical reasoning skills in non-threatening environment. |
| 4 | E-Learning | D. The use of computers for collecting, storing, retrieving and processing information that is used by one in the performance of duties. |
| 5 | Intranet | E. Any device linked to or controlled by computer and used to do work |

**3- Explain the role of Artificial Intelligence (AI) and Augmented Reality (AR)?**

**Code of professional Responsibility in Educational Measurement**

**1- Illustrate of purpose of code professional responsibility?**

**2- Discuss Majors areas of code of professional responsibility with examples?**

**Assessment of Higher-Level Learning**

1. How do well-structured and ill-structured problems differ in terms of complexity and real-life application?
2. Describe how critical thinking supports sound judgment in clinical settings. What are the characteristics of a student who demonstrates critical thinking?
3. What are context-dependent item sets, and why are they essential for assessing higher-level learning?
4. What are the differences between selected-response and constructed-response items? When should each be used?
5. Compare the case method, case study, and unfolding cases in terms of depth, structure, and usage.
6. Give an example of how the case method can be used in small-group activities and what skills it assesses.
7. What is the main difference between a discussion and a debate in an educational setting?
8. How can AI tools support the assessment of higher-level learning in nursing education?

**Constructive Response Items: Short Answer & Essay**

1. What are constructed response items (CRIs) and how do they differ from multiple-choice questions?
2. What are the two formats of short answer questions?
3. What are the key guidelines for writing effective short answer questions?
4. What are the advantages and disadvantages of using short answer questions?
5. Explain the difference between Restricted-response and Extended-response essay items.
6. Provide an example of each type of essay question.
7. List five major issues with essay questions and how each can be mitigated.
8. Explain the difference between holistic scoring and analytic scoring.
9. When should teachers use essay items versus short answer questions?

“Assembling and Administering Tests”

(Evaluation & Testing in Nursing Education)

**Essay Questions**

1. Discuss the essential rules that must be followed when designing a high-quality nursing test. Provide examples of how these rules can be applied in practice.

(Related to: Test design rules)

1. Explain the procedures involved in reproducing and securing nursing education tests. Why is it important to maintain test integrity?

(Related to: Reproducing the test)

1. Describe the process of administering a standardized nursing examination. What factors must be considered to ensure fairness and accuracy?

(Related to: Test administration)

1. Evaluate the advantages and limitations of online testing in nursing education. Provide examples from your clinical or academic experience.

(Related to: Online testing)

1. How can Artificial Intelligence (AI) contribute to the improvement of test assessment and analysis in nursing education? Discuss with examples.

(Related to: Benefits of AI)

**True/False Questions**

1. \_\_\_ A good test should include only one type of question to maintain consistency.

(False – Good tests often include various item types)

1. \_\_\_ Test security is not a concern when reproducing printed exams for nursing students.

(False – Test security is a critical concern)

1. \_\_\_ Administering a test includes preparing the physical or digital environment, giving instructions, and monitoring student performance.

(True)

1. \_\_\_ Artificial Intelligence can help personalize assessments for individual learners in online platforms.

(True)

1. \_\_\_ Matching items are best used when evaluating problem-solving and critical-thinking skills.

(False – They are typically used to assess recall or association)

**Multiple Choice Questions (MCQ)**

1. Which of the following is NOT a recommended rule when designing nursing tests?

A. Align questions with learning objectives

B. Use ambiguous wording to challenge students

C. Ensure clear and concise instructions

D. Review for content validity: B

1. What is the primary purpose of administering a test in a controlled environment?

A. To encourage competition among students

B. To improve test item analysis

C. To ensure fairness and prevent cheating

D. To evaluate the teacher’s performance Answer: C

1. Which of the following is a benefit of using AI in test assessment?

A. Reducing student anxiety

B. Manual grading of essays

C. Real-time data analysis and feedback

D. Preventing test leakage: C

1. When reproducing a test, what is the most important consideration?

A. Cost of printing

B. Time spent on formatting

C. Quality and security of the test copies

D. Number of color pages used Correct Answer: C

1. Which of the following is best assessed using an essay question format?

A. Memorization of terms

B. Analysis and synthesis of knowledge

C. Matching definitions

D. Identification of lab equipment Correct Answer: B

**Matching Questions**

Match the concept in Column A with its appropriate description in Column B.

| **Column A** | **Column B** |
| --- | --- |
| A. Test design rules | 1. Automated systems that support grading and analysis |
| B. Test administration | 2. Guidelines to ensure clarity, relevance, and fairness |
| C. Online testing | 3. Conducting assessments using digital platforms |
| D. Artificial Intelligence (AI) | 4. Scheduling, delivering, and supervising assessments |

Answer Key:

A – 2

B – 4 **Answer Keys:**

1. **2**
2. **4**
3. **3**
4. **1**

“Qualities of Effective Assessment Procedure”,

(Evaluation & Testing in Nursing Education)

**Essay Questions**

1. Define validity and explain its types with examples relevant to nursing education. Why is validity essential for effective assessment?

(Covers: Definition of validity, Types of validity, Exam of validity)

1. Identify and discuss at least three common threats to test validity. How can these threats be minimized in nursing assessments?

(Covers: Threats of validity)

1. Explain the concept of reliability in assessments. Describe the different types of reliability and provide examples of each.

(Covers: Definition and types of reliability)

1. Compare and contrast validity and reliability. Can a test be reliable but not valid? Support your answer with examples.

(Covers: Comparison between validity and reliability)

1. Discuss the role of practicality in test development. What factors should be considered to ensure a test is practical for nursing students?

(Covers: Practically, Application)

**True/False Questions**

1. \_\_\_ Validity refers to how consistently a test measures student knowledge.

(False – That describes reliability)

1. \_\_\_ Content validity ensures the test covers all areas of the content it is supposed to assess.

(True)

1. \_\_\_ Construct validity relates to whether the test truly measures the theoretical concept it claims to measure.

(True)

1. \_\_\_ One threat to validity is when the testing environment is too controlled and standardized.

(False – A non-standardized environment can be a threat)

1. \_\_\_ Inter-rater reliability improves when clear rubrics are used for grading.

(True)

**Multiple Choice Questions (MCQ)**

1. Which type of validity focuses on how well a test predicts performance in real-life tasks or future settings?

A. Content validity

B. Construct validity

C. Criterion-related validity

D. Face validity Correct Answer: C

1. Which of the following is NOT a type of reliability?

A. Test-retest reliability

B. Inter-rater reliability

C. Content reliability

D. Internal consistency Answer: C

1. Which factor can negatively affect the reliability of an assessment?

A. Clear instructions

B. Consistent scoring rubric

C. Student fatigue or anxiety

D. Adequate test length

Cot Answer: C

1. What does practicality in assessment emphasize?

A. The difficulty level of the test

B. The cost, time, and effort needed to administer and score the test

C. The alignment between objectives and content

D. The ability of students to complete it without stress Answer: B

1. Which type of validity is most concerned with whether a test “looks like” it measures what it’s supposed to?

A. Face validity

B. Content validity

C. Criterion-related validity

D. Construct validity Answer: A

**Matching Questions**

Match each term in Column A with the correct description in Column B.

| **Column A** | **Column B** |
| --- | --- |
| A. Construct validity | 1. Consistency of test results over time |
| B. Inter-rater reliability | 2. Agreement between different scorers |
| C. Test-retest reliability | 3. Measure of theoretical traits or concepts |
| D. Content validity | 4. Coverage of subject matter within a test |
| E. Practicality | 5. Ease of administration and scoring |

1Anse

**Answer Keys:**

1. **3**
2. **2**
3. **1**
4. **4**
5. **5**

**Assessment and Educational process lecture question bank:**

1)- Compare Norm-Referenced and Criterion-Referenced Interpretations of assessment results.

2)- Explain the concept of validity in assessment tools. Discuss its importance in the educational process and differentiate between validity and reliability. Support your answer with relevant examples.

**Code of fair testing lecture question bank:**

1)- Discuss the importance of fairness in educational testing.

2)- Analyze the four key guidance areas outlined in the Code of Fair Testing Practices in Education.

**Clinical Evaluation lecture :**

1)- Discuss the Purposes of Clinical evaluation?

2)- Analyze the importance of Virtual Reality in clinical evaluation with examples?

3)- Explain challenges in clinical evaluation?

**Planning for classroom testing**

|  |
| --- |
|  |

**Matching Questions**

Match the following test item types with their descriptions:

| **Column A** | **Column B** |
| --- | --- |
| A) Multiple Choice | * 1. Requires a brief, concise response
 |
| B) Essay | * 1. Allows for in-depth exploration of a topic
 |
| C) True/False | * 1. Provides options from which to choose
 |
| D) Short Answer | * 1. Requires determination of statement validity
 |

**Essay questions:**

Q1- You are tasked with creating a classroom test for a diverse group of students. List three factors you would consider when selecting item formats

Q2-Describe how you would apply the principles of test construction to create a reliable and valid assessment for a specific subject area.

Q3-Analyze a poorly constructed test item and suggest improvements based on the principles discussed in the lecture.

Q4-Compare selected-response and constructed-response items in terms of their advantages and disadvantages in assessing student learning.

Q5-Create a test blueprint for a unit on "Environmental Science," including major topics and the types of items you would use for assessment.

Q6-Develop a comprehensive classroom testing plan for a subject of your choice, incorporating strategies to reduce student test anxiety.

Q7-Critique a classroom assessment you have experienced. Discuss its strengths and weaknesses in relation to the principles outlined in the lecture.

**Grading**

**Matching Questions**

Match the following test item types with their descriptions:

| **Column A** | **Column B** |
| --- | --- |
| A) Criterion-Referenced Grading | * 1. Compares student performance to standards
 |
| B) Norm-Referenced Grading | * 1. Evaluates based on improvement over time
 |
| C) Self-Referenced Grading | * 1. Grades based on comparison with peers
 |
| D) Grade Point Average | * 1. Numerical representation of letter grades
 |

**Essay questions:**

Q1-Describe the three types of grading frameworks

Q2-A student in a nursing program is struggling to meet clinical performance standards. What steps would you take to address their challenges?

Q3-Discuss how you would implement feedback mechanisms within a grading system to improve student learning outcomes.

Q4-Evaluate the impact of grade inflation on nursing education. What are the long-term consequences for students and the profession?

Q5-Analyze the advantages and disadvantages of using a percentage-based grading system versus a letter grading system.

Q6-Develop a grading rubric for a specific nursing assignment. Include criteria for assessment and weightings for each component.

Code of fair testing lecture question bank:

E – 5