

Goodfret

Name: KUDIABOR MURPHY Index No: 5130180144

Department: POLITICAL SCIENCE



UNIVERSITY OF EDUCATION, WINNEBA
DEPARTMENT OF PSYCHOLOGY AND EDUCATION
EDC 422D: MEASUREMENT, EVALUATION AND STATISTICS IN EDUCATION

MARCH, 2016

TIME ALLOWED: 25 MINUTES CLASS EXERCISE TWO

DIRECTIONS: Indicate your name, index number and programme in the spaces provided. Each question is followed by options. Circle the letter of the most correct answer in the questions 1 - 20.

1. Reliability is the degree of consistency of assessment instrument.

- ☒ A. False
☐ B. True

2. A class took a test in mathematics and the test-retest reliability was estimated at 0.9 with a standard deviation of 5. The estimated standard error of measurement of the test is

- ☒ A. 1.58
☐ B. 3.60
☐ C. 0.23
☐ D. 0.10

$$S.E.M = SD \sqrt{1 - 0.9} = 5 \sqrt{0.1} = 1.58$$

3. Jane obtained 60% in Measurement and Evaluation quiz. If the estimated standard error of measurement is 4, an estimate of her true score is

- ☐ A. - 60%
☐ B. - 64%
☒ C. 60%
☐ D. 64%

$$T = M + E$$

$$T = 60 + 4 = 64$$

4. Measure of the stability of test score is computed over a period of time through

- ☐ A. Equivalent forms method.
☐ B. Kuder-Richardson method.
☒ C. Split-half method.
☐ D. Test retest method.

5. Characteristics of Standardized Achievement Tests include the following EXCEPT

- ☐ A. A test manual is available as a guide for test administration.
☒ B. Different instructions are provided for test administration and scoring.
☐ C. The test items are developed by test experts and specialists.
☐ D. They use test norms which are based on national samples of students.

6. Table of specification is important in assisting classroom teachers to determine the reliability of the test.

- ☐ A. True
☒ B. False

Name: Kudiarso MinkPTH Index No: 5780180144

Department: POL. GILITANE

15. Which of the following procedures is **LEAST** objective?

- ☒ A. Supply type.
- B. Matching type.
- C. Multiple response type.
- D. True or False.

16. The first item in a classroom achievement test was answered correctly by 15 of the 60 pupils who attempted to answer it. The level of difficult of this item is equal to.....

- A. 25%
- ☒ B. 0.25
- C. 9%
- D. 0.09

17. In administrating achievement tests, these information are essential in preparing students for the task ahead.

- I. The date and time for the test
- II. The kinds of items on the test
- III. Conditions under which the test will be taken
- IV. Preparing scoring guide

- A. I and II only
- B. III and IV only
- ☒ C. I, II, and III
- D. I, II, III and IV

18. Classroom teachers increase students' test anxiety by engaging in the following behaviours **EXCEPT**

- ☒ A. Conveying a sense of confidence about students' outcome
- B. Telling students to work fast to beat down time
- C. Threatening dire consequences if they fail
- D. Warning students to do their best

19. In a class, 10 of 12 students in the upper group answered an item correctly, and 5 of 12 in the lower group answered it correctly. What is index of discrimination?

- A. 4.2
- B. 1.25
- ☒ C. 0.42
- D. 12.5

$$\frac{10 - 5}{12} = 0.4166$$

20. A very good distracter of a multiple choice test is chosen

- A. equally by those knowledgeable and knowledgeable on the item.
- B. less by those who are not knowledgeable on the item.
- ☒ C. more by those who are not knowledgeable on the item
- D. more by those who are not knowledgeable on the item.

Name: KUDARON MURPHY Index No: 5780780149
Department: POL SCIENCE

7. In multiple choice tests, the central issue of the item should be in the
- A. Foil
 - B. Key
 - C. Premise
 - ☒ D. Stem
8. Which of the following is **NOT** an advantage of multiple choice tests?
- ☒ A. Higher order mental processes are measured.
 - B. Scores are not affected by extraneous factors.
 - C. They allow an extensive coverage of subject content.
 - D. They provide economy of time in scoring.
9. To reduce carryover effects in essay type tests, a rater should.....
- ☒ A. grade responses item by item.
 - B. keep previously scored scripts out of sight.
 - C. prepare a scoring guide.
 - D. shuffle scripts before scoring.
10. What index qualifies the degree to which two variables are related?
- ☒ A. Coefficient of relationship.
 - ☒ B. Correlation coefficient.
 - C. Standard error of measurement.
 - D. Standard error of reliability.
11. Which of the following factors does **NOT** decrease the consistency of assessment results?
- A. Difficulty of test items.
 - B. More test items constituting the test.
 - ☒ C. Scoring objectivity.
 - ☒ D. The homogeneous nature of the group.
12. For Mr. Hamza to attain a high level of consistency in scoring his assessment items, he should.....
- A. make the tasks relatively easy for students.
 - ☒ B. prepare and use marking schemes.
 - C. score the items using personal knowledge.
 - D. use previous scores as criterion.
13. What is the major disadvantage in using the matching-test item?
- A. Directions for matching are difficult to write
 - ☒ B. Homogenous premises and responses are extremely difficult to set.
 - C. Results are difficult to interpret.
 - D. Scoring of responses call for skilled personnel.
14. Which of the following item format is **MOST** appropriate for assessing students' reasoning skills?
- ☒ A. Completion test.
 - ☒ B. Matching test.
 - C. Multiple choice test.
 - D. True or False test.

DIRECTIONS: *Indicate your name, index number and programme in the spaces provided. Each question is followed by four options, lettered A to D. Circle the letter of the most correct answer in the questions 1 – 20.*

1. Cheating on a group test can be most effectively minimized by
 - A. including a penalty for cheating in the scoring rubrics.
 - ✓ ☒ B. seating examinees in such a way that cheating is extremely difficult.
 - C. warning examinees caught cheating will be dealt with severely.
 - D. watching the examinees "like a hawk" during test.
2. The type of validity that is used most often in selection programme in education and industry, in which criteria of success are specified, is
 - A. concurrent validity.
 - ☒ B. construct related evidence of validity.
 - ☒ C. content-related evidence of validity.
 - D. predictive validity.
3. The validity of a test is affected by
 - I. Systematic collusion by invigilators and students in the examination room
 - II. Unsystematic collusion by invigilators and students in the examination room
 - ☒ A. I only
 - B. II only
 - ☒ C. Both I & II
 - D. None of the above
4. Which of the learning objective in Bloom's taxonomy of educational objective is the most complex?
 - A. Applying.
 - ☒ B. Creating.
 - C. Evaluating.
 - D. Understanding.
5. The type of assessment that becomes public and have defensible reference point is known as?
 - A. Assessment for learning
 - B. Assessment as learning
 - ☒ C. Assessment of learning
 - D. Learning assessment
6. After the aptitude test for mature candidates who wish to be admitted into the University, the University comes up with modalities in the event of disagreement with the result. This depicts

DEPARTMENT KUDIA BOR MURPHY INDEX NO. 5120150144
DEPARTMENT POL. SUELL

7. Students reflecting on their work on regular basis through self and peer assessment is one of the characteristics of
☒ A. assessment for learning.
☒ B. assessment as learning. ✓
☐ C. instructions management assessment.
D. assessment for credentiality.
8. The highest domain in the revised bloom's taxonomy is
A. Evaluate
B. Analyse.
☒ C. Create.
D. Apply.
9. The statement "Martin's performance in the measurement and evaluation quiz 1 is excellent" illustrates the concept of
A. assessment.
☒ B. evaluation.
C. measurement.
D. test.
10. Fifty prospective first year senior secondary school students were interviewed by the headmaster of Winneba Senior High School. Twenty of them who passed the interview were admitted to the school. What type of decision did the headmaster make?
A. Counselling.
B. Credentialing.
C. Placement.
☒ D. Selection.
11. Ayitey Powers and Bokom Banku had measured their weight before the fight. The judges A, B, and C rated their ability in the fight and judged Bukom Banku unanimously as the winner of the fight. What scale of measurement did the judges use in rating?
☒ A. Interval
☒ B. Ratio
C. Ordinal
D. Nominal
12. If a measure correlates highly with other established measures of the same thing, it is said to have high
A. construct validity.
B. content validity.
☒ C. criterion validity.
D. face validity.
13. A guideline of Assessment of learning (AoL) is that
A. compares the student's achievement with standard.
B. is accompanied by a number of letter grade.
☒ C. occurs at the end of the learning unit.
D. provides transparent approaches to test interpretation.

- C. Formulation.
D. provision of guideline for constructing.
15. In the bloom's taxonomy, which of the following is an appropriate match?
- ☒ A. Understand - Knowledge.
 - B. Remember -Comprehension.
 - ☒ C. Create - Synthesis. ✓
 - D. Evaluation - Create.

1 5 7
2 6 11
3 8 12
4

16. When is the teacher expected to administer task 6 of school based assessment?
- A. 2nd Month 1st term.
 - ☒ B. 1st Month 1st term.
 - ☒ C. 2nd Month 2nd term. ✓
 - D. 1st Month 2nd term.

17. Which of the task under the School based assessment is a group exercise?
- A. Task 1.
 - B. Task 5.
 - C. Task 9.
 - ☒ D. Task 10. ✓

18. Which of the following tasks in SBA is considered as an individual test?
- ☒ A. Task 11. ✓
 - ☒ B. Task 6.
 - C. Task 12.
 - D. Task 10.

19. A student was able to describe vividly the means by which Ebola can be contracted. This means that the student has acquired knowledge under which profile dimension?
- ☒ A. Knowledge and understanding.
 - B. Use of Knowledge.
 - C. Practical Skills.
 - D. Attitudes and values.

20. The SBA and the end- of -term test marks are combined in the proportion of respectively.
- ☒ A. 50 : 50
 - B. 60 : 50
 - C. 30 : 70
 - D. 40 : 60

PROGRAMME: SOCIAL STUDIES

INDEX NO. 5140140027



UNIVERSITY OF EDUCATION, WINNEBA
DEPARTMENT OF PSYCHOLOGY AND EDUCATION
EDC 361D: MEASUREMENT, EVALUATION, AND STATISTICS IN EDUCATION

TIME ALLOWED: 25 MINUTES

QUIZ TWO (2)

APRIL, 2017

NAME: ABU YAH ATSY

DIRECTIONS: *Indicate your name, INDEX number and programme in the spaces provided. Each question is followed by four options, lettered A to D. Circle the letter of the most correct answer in the questions 1 – 20*

1. The part of matching-test item that presents the problem to be solved is known as
 - A. option.
 - ☒ B. premise.
 - C. response.
 - D. stem.
2. Which one of the following is NOT a guideline for constructing True or False item?
 - ☒ A. Arrange the items such that the correct responses form a discernible pattern.
 - B. Double-barreled statements should be avoided.
 - C. Statements should possess only one central theme.
 - D. Statements should measure important ideas and not trivial.
3. One principle in test construction is homogeneity. This means that, test responses should be.....
 - ☒ A. arranged alphabetically.
 - B. of same length.
 - C. have similar meaning.
 - ☒ D. of the same type or group.
4. Different but equivalent test items administered to JHS pupils is said to be measuring which one of the following?
 - A. Stability.
 - B. Internal consistency.
 - ☒ C. Inter-rater reliability.
 - D. Criterion reliability.
5. Which one of the following statements best defines reliability of a test score?
 - ☒ A. The results obtained with assessment instruments and scores.
 - ☒ B. It refers to the general consistency of the test items.
 - C. It is the coefficient of the relationship between two scores.
 - D. Reliability is necessary for validity.
6. In constructing a teacher made test, the test developer must consider all the following except
 - A. the purpose of the test.
 - ☒ B. the test procedure.
 - C. the format of the test items.
 - D. construct to be tested.

- III. Requires students to express themselves in their own way.
- IV. Amenable to item and test statistics.
- A. I, II, III only.
- ☒ B. III only.
- C. IV, III only.
- D. IV, III, I only.
8. Which one of the following item formats can allow bluffing?
- A. True/False.
- B. Matching.
- C. Multiple choice.
- ☒ D. Short answers.
9. Which one of the following effects is likely to increase if a response is scored by a drunkard?
- A. Halo.
- ☒ B. Carryover.
- C. Rater drifter.
- D. Bluffing.
10. What is the most appropriate among the following that can help attain high level of consistency in scoring assessment items?
- A. Using previous score as criterion.
- B. Scoring the task using personal knowledge.
- ☒ C. Preparation and use of marking schemes.
- D. Making the tasks relatively easy for students.
11. Which one of the following ways of marking is likely to be affected by inter rater drift?
- A. Computational making
- ☒ B. The point.
- C. Analytical.
- D. Global marking.
12. The norm-referenced interpretation of test scores involves determining.....
- ☒ A. an individual's relative position in a well-defined group.
- B. kinds of task a person with a given score can do.
- C. what a student has obtained with respect to instructional objectives.
- D. what common task an individual student can perform.
13. Which one of the following must be considered at the reproduction stage of assembling test?
- A. All items should be numbered consecutively. ✓
- B. Items should be split with parts on different pages.
- ☒ C. Items should be arranged in sections by the difficulty level.
- D. Provisions must be made for extra sheets.

provides an estimate of test's stability?

- ☒ A. Test-retest reliability.
- B. Split-half reliability.
- C. Scorer reliability.
- D. Alternative forms reliability.

15. When using the split-half method, an adjustment must be made to compensate for splitting the test into halves. Which one of the following is used to make this adjustment?

- ☒ A. Coefficient alpha.
- B. Pearson product-moment correlation.
- C. Spearman Brown formula.
- D. KR-20.

16. Which one of the following describes the amount that questions on a test or sub-scales are related?

- ☒ A. Homogeneity.
- B. Coefficient alpha.
- C. Heterogeneous.
- D. Test-retest.

17. Which one of the following assessment procedures is least subjective?

- A. Compound true or false.
- ☒ B. Completion item.
- C. Complex true or false.
- D. Multiple true or false.

18. The choice of the appropriate format to use in constructing test items for a classroom test is highly influenced by the.....

- A. age of the teacher.
- ☒ B. objectives to be measured.
- C. performance level of the students.
- D. qualification of the teacher.

19. Which one of the statement(s) below is/are test administration procedure(s)?

- I. Avoid excessive verbiage.
- II. Avoid distractors in the testing process.
- III. Avoid giving hints to the entire group.
- IV. Ensure that the items are same.

- A. I and II
- B. II and III
- C. II and IV
- ☒ D. II, III and IV

20. When test reliability is high, the standard error of measurement is low. As test reliability decreases, the standard error of measurement increases.

- A. False.
- ☒ B. True

COURSE CODE: EDC 361D

TIME ALLOTTED: 2 Hrs. (3:00pm - 5:00pm)

INSTRUCTIONS: There are two Sections in this examination: "A" and "B". Answer all questions in section A, and any two (2) questions from Section B.

Section A.

Answer all questions on the Answer Sheet provided by writing the LETTER which represents the correct answer. The answer sheet would be collected after the first 30 minutes

A scale of Measurement that possesses equal interval magnitude and zero origin is called

- a) Nominal
- b) Ordinal
- ☒ c) Interval
- d) Ratio

The scale of measurement used to assign numbers simply for identification is called...

- ☒ a) Nominal
- b) Ordinal
- c) Interval
- d) Ratio

Which of the following is the most appropriate definition of test?

- a) A procedure in which a standard set of questions is presented to people
- b) A set of questions asked in written or oral form
- c) A systematic procedure for observing a person's behaviour
- ☒ d) A description of behaviour with the aid of numerical scale

Which of the following is an important instructional function of a test?

- a) Classification
- ☒ b) Diagnosis
- c) Prediction
- d) Selection

Which of the following are the lowest and highest levels of cognitive outcome?

- a) Knowledge and synthesis
- b) Application and synthesis
- ☒ c) Knowledge and evaluation
- d) Application and evaluation

The category of affective domain which deals with students' willingness to attend to particular phenomena or stimuli is?

- a) Valuing
- ☒ b) Receiving
- c) Responding
- d) Organisation

The type of evaluation that identifies both the intended and unintended outcomes of a program is called...

KCAPAT

- performance?
- a) Standardised test
 - b) Achievement test
 - c) Criterion-reference test
 - d) Objective test
9. An examination on EDC 361D given to the final year UEW students is an example of
- a) Aptitude test
 - ☒ b) Summative test
 - c) Formative test
 - d) Placement test
10. The breaking down of question items into its component parts to determine its difficulty level is called
- a) Item discrimination
 - ☒ b) Item analysis
 - c) Item construction
 - d) Item distractor
11. The name given to that part of multiple choice items that contain the statement of the question is?
- a) Alternative
 - b) Option
 - c) Key
 - ☒ d) Stem
12. Item analysis serves the following purposes except?
- ☒ a) Ascertaining quality control of final test
 - b) Aiding in evaluating published tests
 - c) Eliminating irrelevant items from the tests
 - d) None of the above
13. Which of the following best describes continuous assessment?
- a) Comprehensive, systematic technique, data and tools
 - b) Deliberate, consistent, cumulative and data
 - ☒ c) Comprehensive data, systematic procedure and objective
 - d) None of the above
14. All the following are techniques used for continuous assessment except
- a) Observational method
 - b) Questionnaire
 - c) Sociometric test
 - ☒ d) Standardised test
15. The ability of testees to transform concepts, ideas and theory from one form to another is called?
- a) Knowledge
 - ☒ b) Application
 - ☒ c) Synthesis
 - d) Evaluation
16. Norm-referencing is used to interpret a person's performance by...
- ☒ a) Comparing performance with others
 - b) Drawing profile of his/her performance
 - c) Referring the performance to the objective
 - d) All of the above
17. Reliability of a test refers to...
- a) Consistency with which a test measures what it is supposed to measure
 - ☒ b) Consistency of responses to the item stimuli
 - c) Heterogeneity in the content of the test
 - d) All of the above
- Validity



UNIVERSITY OF EDUCATION, WINNEBA

DEPARTMENT OF PSYCHOLOGY AND EDUCATION

QUIZ ONE [2ND SEMESTER, 2010/2011 ACADEMIC YEAR]

COURSE CODE: EDC 361

TIME ALLOWED: 20 MINUTES

COURSE TITLE: MEASUREMENT, EVALUATION AND STATISTICS IN
EDUCATION

STUDENT'S NAME: OTENG CHARLES

STUDENT'S INDEX NUMBER: 508014091

STUDENT'S DEPARTMENT: SOCIAL STUDIES

Answer all questions. Write your responses in the space(s) provided for each question.

DO NOT USE CORRECTION FLUID ON THIS PAPER. MARKS WILL BE DEDUCTED IF YOU DO SO.

1. An incorrect response/option serving as possible logical alternative in a multiple-choice test is a/an Foil or Distractor
2. This type of test derived its name from the way the test scores are interpreted. And it is basically used to measure whether a student has or has not attained a specified level of standard. Criterion Reference test
3. With this type of scale of measurement, awarding a score of zero means a total absence of the attribute being measured. Ratio
4. Kojo was the best student in mathematics at the 2010 BECE, is a norm reference interpretation of assessment result.
15. In a multiple-choice item, the statement that introduces the problem is referred to as the stem
6. The two types of multiple-choice item are single best response and best response and multiple response
7. Using nature as a criterion, list two types of test.
Oral test
Performance test

BONES

UNIVERSITY OF EDUCATION, WINNEBA

DEPARTMENT OF PSYCHOLOGY AND EDUCATION

END OF SECOND SEMESTER EXAMINATION (2012-2013)



TITLE: Measurement, Evaluation and Statistics in Education

CODE: EDC 361

TIME ALLOWED: 2 hours

INSTRUCTION: This paper is in two sections: "A" and "B". Answer all questions in section "A" by selecting the letter representing your choice. Choose any TWO (2) questions in section "B". ALL responses must be provided in the answer booklet.

Question: The question "Does this assessment task represent the curriculum as defined in the instructional period?" can provide.....

- Concurrent validity evidence
- Construct validity evidence
- Predictive validity evidence
- Content validity evidence

Question: A student scored 85 out of 100 test items in social studies. Calculate an estimate of the student's true score, if his error score in the test is -6.

- 15
- 79
- 91
- 94

$$E = 0 + T$$

$$-6 - 85 = T$$

$$T = -91$$

$$0 = T + E \quad E = -6$$

$$0 = 85 + T \quad T = -85$$

Question: A district director measures many variables on a sample of schools. An example of a variable measured in the ratio scale is the.....

- professional qualification of teachers
- enrollment of the classes in each school ✓
- residences of pupils in each class
- socio-economic status of parents of pupils

$$-6 - 85 = T \quad T = -91$$

$$T = 0 + E \quad E = -6$$

$$T = -6 - 85$$

$$T = -91$$

Question: Which type of reliability estimate is important for a teacher who wants to measure the internal consistency of a test?

- Equivalent forms
- Inter-rater
- Split-half
- Test-retest

$$T = 79$$

$$T = 91$$

$$-T = 85 - (-6)$$

$$-T = 91$$

Question: Which part of a matching-test item should present a problem to be solved?

- Foils
- Premises
- Responses
- Stems

6. The following are classifications of test using PURPOSE as a criterion EXCEPT....

- A. achievement test
- B. diagnostic test
- C. aptitude test
- ☒ D. oral test

7. Francis has not mastered the skill of division in mathematics using repeated subtraction.

This is a

- A. criterion-referenced interpretation
- B. norm-referenced interpretation
- C. achievement-referenced interpretation
- D. performance-referenced interpretation

The scores obtained by fifteen students in a mathematics quiz are as follows:

26, 32, 21, 12, 15, 11, 27, 16, 18, 21, 19, 28, 10, 13, 31.

Use the above information to answer questions 8-10.

8. The mean score of the group is.....

- A. 16
- ☒ B. 20
- C. 21
- D. 22

10, 11, 12, 13, 15, 16, 18, 19, 21, 21, 26, 27, 28, 31
300

9. The median score of the group is

- A. 16
- B. 18
- ☒ C. 19
- D. 21

32 - 10

30

10. The range of the group is.....

- A. 10
- B. 15
- ☒ C. 22
- D. 32

11. With this scale of measurement, awarding a score of zero(0) means total absence of the trait considered.

- A. Nominal
- B. Ordinal
- ☒ C. Interval
- D. Ratio

True zero

12. The practice of continuous assessment (CA) enables each student's strengths and weaknesses to be identified for specific remedial actions. This shows that CA is.....

- A. comprehensive
- B. cumulative
- ☒ C. diagnostic

- D. systematic
13. This type of test is given to a learner to predict how well she/he will succeed before she/he is placed in a program.
- A. Achievement test
 - ☒ B. Aptitude test
 - C. Diagnostic test
 - D. Intelligent test
14. The norm-reference interpretation of test scores involves determining.....
- A. what common tasks an individual student can perform.
 - ☒ B. an individual's relative position in a well defined group.
 - C. kinds of tasks a person with a given score can do.
 - D. what a student has obtained with respect to instructional objectives.
15. In constructing good multiple-choice test item, the main issue should be in the.....
- ☒ A. stem
 - B. response
 - C. premises
 - D. option
16. Which of the following statements is TRUE about the standard normal curve?
- A. It is bi-modal
 - B. Mean is 1.0
 - C. Mean is less than median
 - ☒ D. Standard deviation is 1.0
17. Out of 50 students who took a quiz, 15 of them got item ten (10) wrong. What is the item difficulty index for item ten (10)?
- A. 0.2
 - ☒ B. 0.3
 - C. 0.7
 - D. 0.8
- $$P = \frac{R}{N} = \frac{15}{50} = \frac{3}{10} = 0.3$$
18. In an end of semester examination, a mean of 55.0 was obtained by the mathematics class. The median score was 45.0. The performance of the class can be said to be.....
- A. unimodal
 - ☒ B. skewed to the right
 - C. skewed to the left
 - D. normally distributed
- mean > median
19. Considering the Bloom's Taxonomy of the cognitive domain, which of the levels is appropriate to place an item which requires the testee to write his/her own poem?
- A. Application
 - B. Comprehension
 - C. Knowledge
 - ☒ D. Synthesis ✓
- $$E = 0.41$$

[Handwritten signature]



UNIVERSITY OF EDUCATION, WINNEBA
DEPARTMENT OF PSYCHOLOGY AND EDUCATION
END OF SECOND SEMESTER EXAMINATION (2012-2013)



COURSE TITLE: *Measurement, Evaluation and Statistics in Education*

COURSE CODE: EDC 361

TIME ALLOWED: 2 hours

INSTRUCTION: *This paper is in two sections: "A" and "B". Answer all questions in SECTION "A" by selecting the letter representing your choice. Choose any TWO (2) questions from SECTION "B". ALL responses must be provided in the answer booklet.*

1. The question "Does this assessment task represent the curriculum as defined in the instructional period?" can provide.....
 - A. Concurrent validity evidence
 - B. Construct validity evidence
 - C. Predictive validity evidence
 - D. Content validity evidence
2. A student scored 85 out of 100 test items in social studies. Calculate an estimate of the student's true score, if his error score in the test is - 6.
 - A. 15
 - B. 79
 - C. 91
 - D. 94
3. A district director measures many variables on a sample of schools. An example of a variable measured in the ratio scale is the.....
 - A. professional qualification of teachers
 - B. enrollment of the classes in each school
 - C. residences of pupils in each class
 - D. socio-economic status of parents of pupils
4. Which type of reliability estimate is important for a teacher who wants to measure the internal consistency of a test?
 - A. Equivalent forms
 - B. Inter-rater
 - C. Split-half
 - D. Test-retest
5. Which part of a matching-test item should present a problem to be solved?
 - A. Foils
 - B. Premises
 - C. Responses
 - D. Stems

The following are classifications of test using PURPOSE as a criterion EXCEPT.....

- A. achievement test
- B. diagnostic test
- C. aptitude test
- D. oral test

Francis has not mastered the skill of division in mathematics using repeated subtraction.

This is a

- A. criterion-referenced interpretation
- B. norm-referenced interpretation
- C. achievement-referenced interpretation
- D. performance-referenced interpretation

The scores obtained by fifteen students in a mathematics quiz are as follows:

26, 32, 21, 12, 15, 11, 27, 16, 18, 21, 19, 28, 10, 13, 31.

Use the above information to answer questions 8-10.

The mean score of the group is.....

- A. 16
- B. 20
- C. 21
- D. 22

The median score of the group is

- A. 16
- B. 18
- C. 19
- D. 21

10. The range of the group is.....

- A. 10
- B. 15
- C. 22
- D. 32

11. With this scale of measurement, awarding a score of zero(0) means total absence of the trait considered.

- A. Nominal
- B. Ordinal
- C. Internal
- ☒ D. Ratio

12. The practice of continuous assessment (CA) enables each student's strengths and weaknesses to be identified for specific remedial actions. This shows that CA is.....

- A. comprehensive
- B. cumulative
- ☒ C. diagnostic

D. systematic

13. This type of test is given to a learner to predict how well she/he will succeed before she/he is placed in a program.

A. Achievement test

B. Aptitude test

C. Diagnostic test

D. Intelligent test

14. The norm-reference interpretation of test scores involves determining.....

A. what common tasks an individual student can perform.

B. an individual's relative position in a well defined group.

C. kinds of tasks a person with a given score can do.

D. what a student has obtained with respect to instructional objectives.

15. In constructing good multiple-choice test item, the main issue should be in the.....

A. stem

B. response

C. premises

D. option

16. Which of the following statements is TRUE about the standard normal curve?

A. It is bi-modal

B. Mean is 1.0

C. Mean is less than median

D. Standard deviation is 1.0

17. Out of 50 students who took a quiz, 15 of them got item ten (10) wrong. What is the item difficulty index for item ten (10)?

A. 0.2

B. 0.3

C. 0.7

D. 0.8

$$D = \frac{50}{15}$$

$$D = \frac{R}{T}$$

18. In an end of semester examination, a mean of 55.0 was obtained by the mathematics class. The median score was 45.0. The performance of the class can be said to be.....

A. unimodal

B. skewed to the right

C. skewed to the left

D. normally distributed

19. Considering the Bloom's Taxonomy of the cognitive domain, which of the levels is appropriate to place an item which requires the testee to write his/her own poem?

A. Application

B. Comprehension

C. Knowledge

☒ D. Synthesis



UNIVERSITY OF EDUCATION, WINNEBA
DEPARTMENT OF PSYCHOLOGY AND EDUCATION



END OF SECOND SEMESTER EXAMINATION (2012-2013)

COURSE TITLE: *Measurement, Evaluation and Statistics in Education*

COURSE CODE: EDC 361

TIME ALLOWED: 2 hours

INSTRUCTION: *This paper is in two sections: "A" and "B". Answer all questions in SECTION "A" by selecting the letter representing your choice. Choose any TWO (2) questions from SECTION "B". ALL responses must be provided in the answer booklet.*

1. The question "Does this assessment task represent the curriculum as defined in the instructional period?" can provide.....
 - A. Concurrent validity evidence
 - B. Construct validity evidence
 - C. Predictive validity evidence
 - ☒ D. Content validity evidence
2. A student scored 85 out of 100 test items in social studies. Calculate an estimate of the student's true score, if his error score in the test is - 6.
 - A. 15
 - B. 79
 - ☒ C. 91
 - D. 94
3. A district director measures many variables on a sample of schools. An example variable measured in the ratio scale is the.....
 - ☒ A. professional qualification of teachers
 - B. enrollment of the classes in each school
 - C. residences of pupils in each class
 - D. socio-economic status of parents of pupils
4. Which type of reliability estimate is important for a teacher who wants to measure the internal consistency of a test?
 - ☒ A. Equivalent forms
 - B. Inter-rater
 - ☒ C. Split-half
 - D. Test-retest
5. Which part of a matching-test item should present a problem to be solved?
 - A. Foils
 - ☒ B. Premises
 - C. Responses
 - ☒ D. Stems

- ☒ A. achievement test
- B. diagnostic test
- C. aptitude test
- ☒ D. oral test

7. Francis has not mastered the skill of division in mathematics using repeated subtraction. This is a

- ☒ A. criterion-referenced interpretation
- B. norm-referenced interpretation
- C. achievement-referenced interpretation
- D. performance-referenced interpretation

The scores obtained by fifteen students in a mathematics quiz are as follows:
26, 32, 21, 12, 15, 11, 27, 16, 18, 21, 19, 28, 10, 13, 31.

Use the above information to answer questions 8-10.

8. The mean score of the group is.....

- A. 16
- ☒ B. 20
- C. 21
- D. 22

9. The median score of the group is

- ☒ A. 16
- B. 18
- ☒ C. 19
- D. 21

10. The range of the group is.....

- A. 10
- B. 15
- ☒ C. 22
- D. 32

11. With this scale of measurement, awarding a score of zero(0) means total absence of the trait considered.

- A. Nominal
- B. Ordinal
- C. Internal
- ☒ D. Ratio

12. The practice of continuous assessment (CA) enables each student's strengths and weaknesses to be identified for specific remedial actions. This shows that CA is.....

- A. comprehensive
- B. cumulative
- ☒ C. diagnostic

- D. systematic
13. This type of test is given to a learner to predict how well she/he will succeed before she/he is placed in a program.
- ☐ A. Achievement test
 - ☒ B. Aptitude test
 - ☐ C. Diagnostic test
 - ☐ D. Intelligent test
14. The norm-reference interpretation of test scores involves determining.....
- ☐ A. what common tasks an individual student can perform.
 - ☒ B. an individual's relative position in a well defined group.
 - ☐ C. kinds of tasks a person with a given score can do.
 - ☐ D. what a student has obtained with respect to instructional objectives.
15. In constructing good multiple-choice test item, the main issue should be in the....
- ☒ A. stem
 - ☐ B. response
 - ☐ C. premises
 - ☐ D. option
16. Which of the following statements is TRUE about the standard normal curve?
- ☐ A. It is bi-modal
 - ☐ B. Mean is 1.0
 - ☐ C. Mean is less than median
 - ☒ D. Standard deviation is 1.0
17. Out of 50 students who took a quiz, 15 of them got item ten (10) wrong. What is the item difficulty index for item ten (10)?
- $$I = \frac{R}{T} = \frac{15}{50}$$
- ☐ A. 0.2
 - ☒ B. 0.3
 - ☐ C. 0.7
 - ☐ D. 0.8
18. In an end of semester examination, a mean of 55.0 was obtained by the mathematics class. The median score was 45.0. The performance of the class can be said to be.....
- ☐ A. unimodal
 - ☐ B. skewed to the right
 - ☐ C. skewed to the left
 - ☐ D. normally distributed
19. Considering the Bloom's Taxonomy of the cognitive domain, which of the levels is appropriate to place an item which requires the testee to write his/her own poem?
- ☐ A. Application
 - ☐ B. Comprehension
 - ☐ C. Knowledge
 - ☒ D. Synthesis