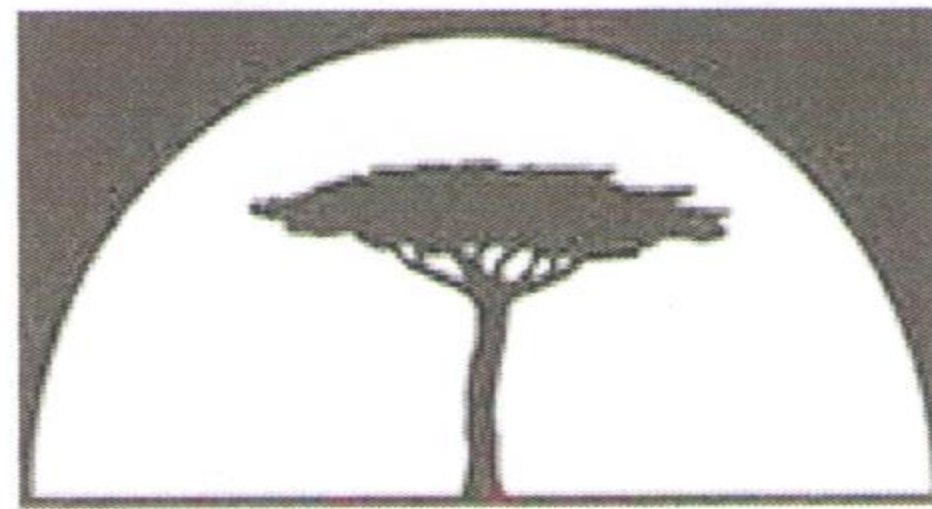


STUDENT I.D. NUMBER



AFRICA
UNIVERSITY
A United Methodist-Related Institution

"Investing in Africa's Future"

**COLLEGE OF SOCIAL SCIENCES, THEOLOGY, HUMANITIES
AND EDUCATION**

ECI 405 – MEASUREMENT AND EVALUATION - CONVENTIONAL-BAED/BSCED

END OF FIRST SEMESTER EXAMINATIONS

NOVEMBER 2019

LECTURER: DR. V. OYEDELE

DURATION: 3HRS

INSTRUCTIONS

1. ANSWER ALL QUESTIONS

2. FOLLOW THE INSTRUCTION IN EACH SECTION

**3. ANSWER QUESTIONS A AND B IN THIS EXAMINATION
QUESTION PAPER AS WELL AS YOUR STUDENT NUMBER**

**4. ANSWER QUESTIONS C, D & E INSIDE THE UNIVERSITY
ANSWER BOOKLET**

DEPARTMENT: EDUCATION

COURSE : ECI 405 - Measurement and Evaluation

GROUP : BAED/BSCED

TIME :

DATE : November 2019

INSTRUCTIONS: Answer ALL Questions

There are FIVE Sections Altogether.

Section A is worth 40 points.

Section B is worth 10 points.

Section C is worth 10 points.

Section D is worth 15 points.

Section E is worth 25 points.

All responses should be given in the spaces as per instruction.

Please follow instruction carefully in each section.

Make sure your Student Number appears on every Page of the question paper.

Student No. _____

SECTION A

Except for question 15 each question in this section is worth 2 points. Choose the best answer by putting a circle around the letter (using pencil) that represents your choice.

1. Mean, Mode and Median are measures of:
A. Relative position
B. Relationship
C. Dispersion
D. Central tendency
2. Which one of the following internal factors does not affect the performance of student in public examinations?
A. Health of the student
B. Emotional strains
C. Teacher's qualification
D. Fatigue
3. Which one of these statements is not one of the advantages of constructing objective items?
A. Very easy to construct within a short period.
B. The teacher/examiner is able to mark fast.
C. Scoring reliability is increased.
D. It gives a better picture of performance across the curriculum.
4. The type of test that is concerned with the assessment of the attainment of the minimum tasks which must be attained by individuals in a learning situation is called:
A. Standardized test
B. Criteria-referenced test
C. Norm-referenced test
D. Mastery test
5. The Minister of Basic Education and culture wants to know the worth of an educational program so that he can make a certain decision about the future of the program. Which one out of these terms can he use?
A. Measurement
B. Testing
C. Evaluation
D. Assessment
6. A Form 11 science teacher wants his learners in an introductory biology class to be able to

observe, identify and classify some objects into discrete categories that can be compared.

Which type of measuring scale can the learners use?

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

7. The type of distribution that shows the number of times each score values occur in a given set of scores is called

- A. Polygon distribution B. Normal distribution
C. Frequency distribution D. Skewed distribution

8. Those question items which are asked in such a way that for each of them there is no predetermined correct answer are called:

- A. Objective items B. Subjective items
C. True-False items D. Matching items

9. An educational term that concerns itself with “how much” a student has performed in a given instruction is called

- A. Evaluation B. Assessment C. Testing D. Measurement

10. If a classroom teacher is interested in determining the effectiveness of one or more alternative teaching methods used in secondary schools, he can make use of one of the following processes:

- A. Measurement B. Research C. Evaluation D. Testing

Use these Commerce test scores to answer questions 11 - 15

20	20	50	60
40	30	30	80
80	90	60	60
70	80	40	60
60	30	70	90

11. What is the mean score?

- A. 46 B. 56 C. 65 D. 54

12. What is the mode of the distribution?
A. 30 B. 80 C. 60 D. 50
13. What type of distribution is occurring above?
A. Unorganized distribution B. Frequency distribution
C. Organized distribution D. Normal distribution
14. Calculate the range of the distribution.
A. 70 B. 60 C. 50 D. 40
15. **Create a frequency table** to show the followings:
- (i) Arrangement of scores in descending order **(3pts)**
 - (ii) Frequency **(3pts)**
 - (iii) Tally **(3pts)**
 - (iv) Position. **(3pts)**

Use the next page to answer **question 15**.

Student No. _____

SECTION B

16. Match, as closely as possible by placing the letter in List A on the line next to the appropriate statement in List B. List A can be used as often as desirable.

List A

- A. Ratio scale
- B. Test blue print
- C. Equal interval
- D. Assessment
- E. Test
- F. Examination
- G. Evaluation
- H. Test blue Grid
- I. Absolute zero
- J. Nominal scale
- K. Ordinal scale
- L. Accountability

List B

1. ____ The process of delineating, obtaining and providing useful information to aid decision alternative
2. ____ This can be used as a feedback on teaching.
3. ____ To effectively promote a balance between what is tested and what is taught in terms of content, this must be made available by the classroom teacher.
4. ____ A device that is being used by the classroom teacher to detect any deficiency in the teaching and learning situation in the classroom.
- 5 ____ The type of scale to be used when grouping students according to their sex
- 6 ____ The type of scale to use when classifying observations into discrete categories that can be compared.
- 7 ____ When there is an indication of non-existence of the attribute being measured.

- 8 _____ A sound basis on which to adjust curricula to meet the needs of a constantly changing society.
9. _____ When the classroom teachers are being probed for what is happening in the school in terms of student performance.
- 10 _____ The type of scale to be used when measuring and comparing the weight of objects. (10mks.)

SECTION C

17. Write short notes on **any one** of the following questions:
- (i) Use examples to define and differentiate between Evaluation and Measurement. (10mks)
- (ii) Of what importance is Testing in the teaching and learning processes? (10mks.)

SECTION D

18. Use examples to explain how these listed factors affect students' performance;
- (i) Physical Condition of the examination room (5mks)
- (ii) Basic Equipment (5mks)
- (iii) Fatigue (5mks)
- (15mks)

SECTION E

19. Below are two sets of scores obtained by two different groups of students in Music test.

Group A	Group B
14	16
18	15
13	14
17	16
18	14
19	15
18	16
20	16

- (a) Use the above scores to calculate the mean, mode, median, range and standard deviation of each group (13mks)
- (b) Which group of students has more varied scores from the central tendency? Give reason(s) for your answer (2mks)

- (c) Explain the type of relationship that exists between the performance of students in the two groups using Pearson Moment Correlation Coefficient for the derived formula (10mks)

(25mks.)

*****EXAMINATION ENDS*****