

UNIVERSITY OF KABIANGA

SCHOOL OF EDUCATION AND SOCIAL SCIENCES

THIRD YEAR 2016/2017 ACADEMIC YEAR

PSY 311: EDUCATIONAL MEASUREMENT AND EVALUATION. EXAM

INSTRUCTIONS TO CANDIDATES: ANSWER QUESTION ONE AND ANY OTHER

TWO QUESTIONS

QUESTION ONE

Define following terms:

- (a) Assessment (2marks)
- (b) Evaluation (2marks)
- (c) Measurement (2marks)
- (d) Explain the importance of educational measurement and evaluation (8marks)
- (e) Describe the **five** main factors that a teacher needs to consider in designing a test (10marks)
- (f) Differentiate between the two types of test items (6marks)

39
-8
47
5
53

QUESTION TWO

Below is information from Milan Stores Ltd on sale of three products between 2010-2013. Use the information to answer the questions that follows.

- (a) Draw a component bar graph to represent the above data. (6marks)
- (b) Draw a pie-chart to represent the above statistics. (6marks)
- (c) What advantages have pie-chart over bar graphs? (4marks)
- (d) Distinguish between a variable and a parameter. (4marks)

15
35

QUESTION THREE

The following were marks obtained in a History class in Leeds school.

~~20, 50, 90, 50, 80, 60, 40, 70, 80, 70, 50.~~

20, 40, 50, 50, 50, 60, 70, 70, 80, 80, 90

- (a) State the mode. (2marks)
- (b) Find the median. (4 marks)
- (c) Use the information above to prepare a frequency distribution table (5marks) 29
- (d) Calculate the arithmetic mean. (4 marks)
- (e) Calculate the standard deviation. (5marks)

QUESTION FOUR

- (a) State five properties of the normal curve. (5marks)
- (b) Determine the following in reference to the standard normal curve, use diagrams.
- i. Z if the area between it and $Z=0$ is 0.3749. (4 marks)
- ii. Area below $Z=-1$ (4 marks)
- ii. Area between $Z=-2.21$ and $Z= 1.96$ (4 marks)
- iii. Identify which level of Blooms' Taxonomy each of the following items fall in.
- (a) Who wrote St. Lukes gospel? (1 mark)
- (b) Find the coefficient of x^3y^3 in the expression $(x-y)^5$ (1mark)
- (c) Discuss the causes of cheating in national examinations. (1mark)

QUESTION FIVE

- (a) Discuss the advantages of using multiple choice items. (10marks)
- (b) Describe how you will minimize cases of cheating in national examinations. (10marks)

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