

CHUKA



UNIVERSITY

**UNIVERSITY EXAMINATIONS**

**EXAMINATION FOR THE AWARD OF DEGREE OF POST GRADUATE**

**PGDE 744: MEASUREMENT AND EVALUATION**

**STREAMS: PGDE PT**

**TIME: 3 HOURS**

**DAY/DATE: TUESDAY 30/03/2021**

**8.30 A.M – 11.30 A.M**

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**INSTRUCTIONS:**

**Answer question 1 and any other two questions**

**Do not write on the question paper**

1. (a) Explain the importance of study of measurement and evaluation to a teacher. [10 marks]
- (b) Explain the following types of measurement scales. [4 marks]
  - (i) Nominal scale
  - (ii) Ordinal scale
  - (iii) Internal scale
  - (iv) Ration scale
- (c) Discuss any five types of test items formats. [10 marks]
- (d) Explain the following qualitative methods used in selection of test items.[6 marks]
  - (i) Purposive method
  - (ii) Quota method
  - (iii) Convenient method
2. (a) Discuss the importance of preparing a table of specification as a teacher. [10 marks]
- (b) Explain five characteristics of a good test. [10 marks]

3. (a) Discuss five principles of evaluation. [10 marks]  
 (b) Explain the procedure of administering a test. [10 marks]

4. The following are results of a test given to form 1 students ( $\frac{x}{30}$ ):  
 18,22,20,16,24,20,23,26,28,20.

**Required:**

Calculate the following;

- (i) Range in %  
 (ii) The median  
 (iii) The mode  
 (iv) The mean
- (b) What is test validity. [2 marks]
- (c) Explain the following types of test validity giving examples.
- (i) Construct validity [3 marks]  
 (ii) Content validity [3 marks]  
 (iii) Criterion related validity [4 marks]