



**EMBU UNIVERSITY COLLEGE**  
**(A Constituent College of the University of Nairobi)**

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2015/2016 ACADEMIC YEAR

SECOND YEAR EXAMINATION FOR THE DEGREE OF BACHELOR OF  
EDUCATION (ARTS)

SCHOOL-BASED

TPS 201: EDUCATIONAL MEASUREMENT AND EVALUATION

**DATE: APRIL 11, 2016**

**TIME: 11:00-1:00**

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**INSTRUCTIONS:**

**Answer Question ONE and ANY Other TWO Questions.**

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**QUESTION ONE**

- a) Differentiate the following terms as used in education:
- i) Measurement and evaluation.
  - ii) Achievement and aptitude tests. (4 marks)
- b) State five advantages of matching test items. (5 marks)
- c) Outline the common faults in test construction. (5 marks)
- d) Explain the four levels of measurement. (4 marks)
- e) State the components of good measurement objectives. (4 marks)
- f) State advantages of educational measurements to the teacher. (3 marks)
- g) Explain the factors which affect test reliability. (5 marks)

## **QUESTION TWO**

a) The following are raw scores of students in English test out of 30 marks.

20	10	19	15	19	13	13	19	14	11	17
11	18	20	10	12	11	16	11	15	17	16
19	18	17	15	16	12	15	10	17	18	20
12	14									

- i) Using a suitable class interval prepare a frequency distribution table for the above data. (5 marks)
  - ii) Use the frequency distribution in a (i) above to calculate the mean mark and the median mark. (6 marks)
- b) Highlight the properties of mean as a measure of central tendency. (3 marks)
- c) Outline six considerations a teacher should put in place when preparing a marking scheme. (6 marks)

## **QUESTION THREE**

- a) State the varieties of:
- (i) True-false items (4 marks)
  - (ii) Essay test. (4 marks)
- b) Explain any four reasons to support the use of objective test items in classroom testing. (4 marks)
- c) Explain steps in educational measurements and show problems encountered in each step. (8 marks)

## **QUESTION FOUR**

- a) Explain the various types of evaluation applied in teaching and learning. (5 marks)
- b) Explain five steps necessary for the development of a balanced test. (5 marks)
- c) Define and state five importance of preparing table of specification in test item writing. (5 marks)
- d) Explain five measures the teacher should put in place during test administration. (5 marks)

(5 marks)

### **QUESTION FIVE**

- a) Distinguish between reliability and validity as used in educational measurement and evaluation. (2 marks)
- b) List and explain four methods for estimating test reliability. (8 marks)
- c) State the importance of writing instructional objectives in teaching and learning.(4 marks)
- d) Explain the six levels of the cognitive domain in the taxonomy of education objectives. (6 marks)

**--END--**

