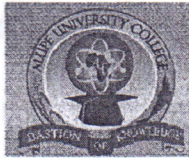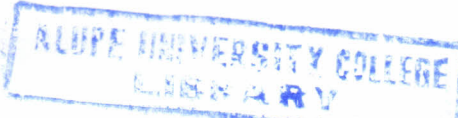**ALUPE UNIVERSITY COLLEGE**

...*Bastion of Knowledge*...

P. O.Box 845-50400 Busia(K)
principal@auc.ac.ke
Tel: +254 741 217 185
+254 736 044 469
off Busia-Malaba road

OFFICE OF THE DEPUTY PRINCIPAL
ACADEMICS, STUDENT AFFAIRS AND RESEARCH

UNIVERSITY EXAMINATIONS

2017 /2018 ACADEMIC YEAR

FIRST YEAR SECOND SEMESTER REGULAR EXAMINATION

FOR THE DEGREE OF BACHELOR OF EDUCATION

COURSE CODE: **PSY 311**

COURSE TITLE: **MEASUREMENT AND EVALUATION**

DATE: 25TH APRIL, 2018   **TIME: 2 PM – 5 PM**

INSTRUCTION TO CANDIDATES

- **SEE INSIDE**

THIS PAPER CONSISTS OF 3 PRINTED PAGES   **PLEASE TURN OVER**

PSY 311: MEASUREMENT AND EVALUATION

STREAM: BED (Arts)   **DURATION: 3 HOURS**

INSTRUCTIONS TO CANDIDATES

i)   *Answer Question ONE and any other TWO questions.*

ii)   *Maps and diagrams should be used whenever they serve to illustrate the answer.*

iii)   *Do not write on the question paper.*

Question One

a) Describe the following terms as used in relation to educational measurement and evaluation.

   i.   Measurement

  ii.   Evaluation

 iii.   Testing

 iv.   Assessment

  v.   Discrete data   (10 Marks)

b) Explain FIVE roles of evaluation in teaching and learning.   (5 Marks)

c) Distinguish between achievement test and diagnostic test.   (5 Marks)

d) Explain THREE importance of measurement in teaching and learning.   (6 Marks)

e) Using relevant example show the difference of the following scales: (i) Nominal (ii) Ordinal

                                                                         (4 Marks)

Question Two

a) Differentiate between formative and summative evaluation   (10 Marks)

b) Explain FIVE ways in which a teacher can improve test validity and reliability   (10 Marks)

Question Three

The data below represent a distribution of chemistry scores in an end term examination.

76, 44, 47, 67, 75, 51, 53, 38, 47, 38, 66, 61, 60, 62, 51, 52, 50, 50, 53, 64, 65, 60.

a) Use this information to calculate the **mean**, **variance** and **standard deviation**.   (10 Marks)
b) Represent the information in a histogram and comment on the performance of the class.

(10 Marks)

Question Four

a) Distinguish between:

(i) Statistics and parameter   (4 Marks)

(ii) Target population and sample population   (2 Marks)

(b) Explain FIVE factors to be considered in determining a sample size.   (10 Marks)

(c) State any TWO advantages of systematic sampling.   (4 Marks)

Question Five

In a certain school, the test developers are used to administering objective types of test.

i) Explain the possible dangers that learners are likely to encounter.   (16 Marks)

ii) With an example, describe what an achievement test is.   (4 Marks)

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