



MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

P.O. Box 972-60200 – Meru-Kenya.

Tel: +254 (0) 799 529 958, +254 (0) 799 529 959, +254 (0) 712 524 293

Website: www.must.ac.ke Email: info@must.ac.ke

University Examinations 2018/2019

THIRD YEAR, SECOND SEMESTER SPECIAL / SUPPLEMENTARY EXAMINATION
FOR THE DEGREE OF BACHELOR OF SCIENCE IN EDUCATION

EPS 3300: EDUCATION MEASUREMENT AND EVALUATION

DATE: SEPTEMBER 2019

TIME: 2 HOURS

INSTRUCTIONS: Answer question *one* and any other *two* questions.

QUESTION ONE (30 MARKS)

- a) Discuss two methods of collecting data that an evaluator may use. (8 Marks)
- b) Differentiate between measurement and education. (8 Marks)
- c) Ms. Joy is a mathematics teacher at Meru Day Secondary school. Just before school closes for the year, she gives her form three A class an exam covering the syllabus from form one to form three. The results of the exam indicate that half the students scored a grade between E and D. Grading in the subject was done from A (the highest possible score) B,C,D to E (the lowest possible score)
 - (i) Describe the evaluation Ms. Joy has conducted. (2 Marks)
 - (ii) Of what value is this kind of evaluation? (6 Marks)
- d) Using example illustrate (i) Matching and (ii) identification types of tests. (6 Marks)

QUESTION TWO (20 MARKS)

- a) Differentiate objective from essay questions as used in testing. (8 Marks)
- b) Describe best practice in constructing multiple choice questions. (12 Marks)

QUESTION THREE (20 MARKS)

Discuss with suitable examples various ways of validating a test. (20 Marks)

QUESTION FOUR (20 MARKS)

- a) Discuss Bloom's taxonomy of cognitive development. (12 Marks)
- b) What are the attributes of a good educational objective? (8 Marks)

QUESTION FIVE (20 MARKS)

- a) Using an example show how you would calculate the following: mean, mode, interquartile range. (10 Marks)
- b) How would use the above indices in performance in your classroom? (10 Marks)