



MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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UNIVERSITY EXAMINATIONS 2024/2025

THIRDYEAR, FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF EDUCATION ARTS/ BACHELOR OF EDUCATION SCIENCE/ BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION/ BACHELOR OF EDUCATION TECHNOLOGY IN CIVIL ENGINEERING/ BACHELOR OF EDUCATION TECHNOLOGY IN ELECTRICAL ENGINEERING/ BACHELOR OF EDUCATION TECHNOLOGY IN MECAHNICAL ENGINEERING

EPS 3300: EDUCATIONAL MEASUREMENT AND EVALUATION

DATE: JANUARY 2025

TIME: 2 HOURS

INSTRUCTIONS: Answer *Question One* (Compulsory) and any other *Two* Questions.

QUESTION ONE - (30 MARKS)

- a) Differentiate the following terms as used in measurement and evaluation
 - (i) Competence based Assessment and Traditional assessment (4 Marks)
 - (ii) Anecdotal records and a portifolio (2 Marks)
 - (iii) Norm referenced test and Criterion referenced test (2 Marks)
- b) Prepare a table of specification for a 20 item test from one of your teaching subjects. (10 Marks)
- c) Identify 4 characteristics of a continuous assessment tests. (4 Marks)
- d) Construct 4 short answer fill in question test items from one of your teaching subject. (4 Marks)

- e) Discuss 2 reasons why a teacher would use essay test (4 Marks)

QUESTION TWO – (20 MARKS)

- a) Your COD has called a meeting for draft examination moderation. What are 6 items you will check in the test during moderation to ensure the items have good test characteristics (12 Marks)
- b) Explain the 4 measurements scales with clear illustration from the educational context. (8 Marks)

QUESTION THREE - (20 MARKS)

Below are students score in a Chemistry Cat

John	Amos	Maina	Mary	Hellen	Betty	Ann	Peter	Cate	Ben
12	15	17	18	13	15	16	11	18	15

- (i) Calculate mean, mode and median (6 Marks)
- (ii) Calculate standard deviation (4 Marks)
- (iii) Draw the distribution to show the direction of skewness and comment. (6 Marks)
- (iv) How would the information in (i) (ii) & (iii) help you as a teacher in the teaching and learning of your students. (4 Marks)

QUESTION FOUR – (20 MARKS)

- a) Discuss 5 things the invigilators/ administrators have to do to ensure effective test administration during the examination (10 Marks)
- b) Discuss 5 important guidelines teachers can use in preparing marking scheme. (10 Marks)

QUESTION FIVE – (20 MARKS)

Students scored the following marks in their end term examination in two tests

Name	Biology	English
Mueni	63	42
Muthoni	44	83
Otieno	85	47
Mwangi	73	64
Amina	49	58

Kipkorir	78	29
Chemutai	55	37
Dong	46	62
Orina	58	59
Kamau	80	49

(i) Calculate spearman Rank Correlation Coefficient (15 Marks)

(ii) Comment on the result (5 Marks)