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KIRIRI WOMENS' UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATION, 2023/2024 ACADEMIC YEAR
THIRD YEAR, FIRST SEMESTER EXAMINATION
FOR THE DEGREE OF BACHELOR OF EDUCATION(ARTS)
KEP 2303:EDUCATIONAL MEASUREMENT AND EVALUATION

Date: 9th April 2024
Time: 11:30am-1.30pm

INSTRUCTIONS TO CANDIDATES:

ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS

QUESTION ONE (30 MARKS)

- a) Explain the meaning of the following concepts:
 - i) Educational measurement. (2 marks)
 - ii) Educational Assessment. (2 marks)
 - iii) Educational evaluation. (2 marks)
- b) Explain three ways you would apply Idealist approach in setting test items. (6 marks)
- c) Examine three methods of determining whether a test is reliable. (6 marks)
- d) Examine three guidelines for writing matching test items. (6 marks)
- e) Explain three challenges of using mean as a measure of central tendency (6 marks)

QUESTION TWO (20 MARKS)

- a) Examine five challenges faced when using essay test items as the only way of educational evaluation. (10 marks)
- b) With use of relevant examples discuss five ways you would ensure setting of good multiple choice questions (10 marks)

QUESTION THREE (20MARKS)

- a) Explain the use of table of specific when setting test items (4 marks)
- b) Explain the importance of the following types of test validity of an evaluation tool.
 - i) Construct validity (4 marks)
 - ii) Content validity (4 marks)
- c) Discuss the four challenges of using essay questions alone as a means of testing learners (8 marks)

QUESTION FOUR (20MARKS)

- a) With relevant example explain the concept of item difficulty of a test item. (4 marks)
- b) Explain the following concepts applied when comparing two exams.
 - i) A positive correlation. (2 marks)
 - ii) A negative correlation (2 marks)
 - iii) A zero correlation (2 marks)
- c) Discuss five assumptions you would make when using multiple linear regression (10 marks)

QUESTION FIVE (20 MARKS)

- a) Using appropriate examples illustrate five ways you would make use of Bloom's taxonomy in setting school exams. (10 marks)
- b) Discuss five ways you would apply experimentalist philosophy in setting of school exams, illustrate your answers with relevant examples. (10 marks)