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MAASAI MARA

# UNIVERSITY

PSY 311 MEASUREMENTS AND EVALUATION

INSTRUCTIONS:

Answer question ONE and any other TWO questions

QUESTION ONE (COMPULSORY)

1. Using examples, explain FOUR purposes of educational evaluation (10 marks)
2. Using examples, define the following terms:
3. Validity
4. Reliability
5. Statistics
6. Measurement (8 marks)
7. Given the following distribution of scores obtained from a Form IV English test:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 21 | 34 | 22 | 17 | 25 | 24 | 31 | 28 | 16 |
| 22 | 24 | 14 | 19 | 23 | 23 | 20 | 25 | 21 |
| 19 | 21 | 31 | 30 | 26 | 18 | 26 | 27 | 22 |

1. Calculate mode, median, mean, range, variance and standard deviation

(10 marks)

1. Using the measures of central tendency found in b(i) above, describe the shape of the distribution of scores and performance of students on the test (2 marks)

QUESTION TWO

1. Using examples, explain the following;
2. discrete
3. continuous variables
4. item difficulty and
5. item discrimination (10 marks)
6. Differentiate between the following concepts:
7. Test specification and Table of test specifications
8. Item format and Item analysis
9. Split-half reliability and Parallel form reliability (10 marks)

QUESTION THREE

1. Using examples, explain FIVE different types of item formats (10 marks)
2. Explain FIVE factors that affect the choice of item format (or type) a teacher will use in making classroom test (10marks)

QUESTION FOUR

1. Explain FIVE qualities and skills a teacher should possess to be a successful item constructor (10 marks)
2. Explain FIVE steps a teacher must observe during test construction (10 marks)

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