

JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY.

UNIVERSITY EXAMINATION FOR THE MASTER OF EDUCATION FOR SPECIAL NEEDS EDUCATION

COURSE CODE: EDU 802

COURSE TITLE TEST AND MEASUREMENT

Answer questions 1 and any other 2 questions

1.

a) Find the standard deviation of the following frequency distribution of marks obtained by 80 candidates in an examination (Use 44.5 as the assumed mean) (8mks)

Marks scored	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79
Frequency	2	7	12	20	22	11	4	2

b) Calculate the median for the above distribution (4mks)

c) Give major advantages of the median as a measure of the central tendency (3mks)

d) A student took an intelligence and an aptitude test and made the following scores .125 in intelligence test and also 125 in aptitude test. The mean intelligence quotient=100 and the standard deviation is 15. The mean for aptitude test is 115 and the standard deviation is 14. Find out which of the two test the student did relatively better (5mks)

e) Calculate spearman measure of correlation in the data below

Student	Score x	Score y
A	57	52
B	56	57
C	37	32
D	18	17
E	17	22

Q 2)

a) Discuss the role of measurement and evaluation in education (10mks)

b) What are the qualities of a good test (10kms)

Q 3)

a) Discuss in details the various types of educational objectives (20mks)

Q 4)

a) Explain the factors influencing reliability (10mks)

b) What are the methods of estimating reliability. Give an explanation of each method (10mks)

Q 5)

- a) What is test validity
- b) Write short notes on the various types of test validity (20mks)