UNIVERSITY EXAMINATIONS

2022/2023 ACADEMIC YEAR

FIRST YEAR SEMESTER ONE

SPECIAL/ SUPPLEMENTARY EXAMINATION

FOR THE POST GRADUATE DIPLOMA OF EDUCATION ARTS

COURSE CODE: PSY 713

COURSE TITLE: EDUCATIONAL MEASUREMENT AND EVALUATION

DATE: 15/8/2023   TIME: 8.00 AM-10.00AM

INSTRUCTIONS TO CANDIDATES

Answer Question One and Any Other TWO (2) questions

TIME: 2 Hours

Question one

a) Define the following terms:

    i.   Assessment   (2marks)

    ii.   Evaluation   (2 marks)

    iii.   Measurement   (2 marks)

b) Explain the significance of educational measurement and evaluation   (8 marks)

c) Describe factors that a teacher needs to consider when designing a test   (8 marks)

d) Distinguish between dependent and independent variables   (4 marks)

e) List common methods of representing a distribution graphically   (4 marks)

Question two

a) The following were marks of 11 students obtained in a Psychology examination:

20,50,90,50,80,60,40,70,80,70,50

Use the information above to:

    i.   Prepare a frequency distribution table   (2 marks)

    ii.   State the mode   (1 marks)

    iii.   Find the median   (2 marks)

    iv.   Calculate the mean   (2 marks)

    v.   Calculate the standard deviation   (3 marks)

b) Discuss the merits of using essay questions in an examination   (5 marks)

Question three

a) Discuss the main causes of examination malpractice in Kenya   (10 marks)

b) Distinguish between reliability and validity   (5 marks)

Question four

a) Discuss using examples the four levels of measurement   (8 marks)

b) Using a sketch, describe the properties of a frequency polygon   (7 marks)

Question five

a) Distinguish between descriptive and inferential statistics, giving examples (6 marks)

b) Outline the importance of studying statistics for a teacher (3 marks)

c) Discuss factors that can affect the reliability of a test (6 marks)