



KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS

2020/2021 ACADEMIC YEAR

FIRST YEAR SEMESTER ONE

MAIN EXAMINATION

FOR POST GRADUATE DIPLOMA IN EDUCATION

(REGULAR)

COURSE CODE: PSY 713

COURSE TITLE: EDUCATIONAL MEASUREMENT AND EVALUATION

DATE: 03/08/2021

TIME: 8.00-11.00AM

INSTRUCTIONS TO CANDIDATES

Answer Question One and Any Other TWO (2) questions

TIME: 2 Hours

Question One

- a) Describe in four ways how a teacher can ensure high test reliability (4 marks)
- b) List five objective test items that are in common use (5 marks)
- c) Describe three types of tests (6 marks)
- d) State three weaknesses of oral tests (3 marks)
- e) List two merits of observation and recording (4 marks)
- f) Describe the three levels of measurement (6 marks)
- g) List two measures of variability (2 marks)

Question Two

- a) By means of a scatter diagram, determine the type of relationship that exists between X and Y

Mathematics scores (X): 3 4 7 9 11 15 20
Science scores (Y): 5 4 6 4 10 5 9

(10 marks)

- b) Distinguish between essay test items and objective test items (10 marks)

Question Three

- a) Discuss five characteristics of a well constructed test (10 marks)
- b) Explain the factors that a teacher should take into consideration when administering a test to learners (10 marks)

Question Four

- 4 a) Distinguish between reliability and validity (4 marks)
- b) Calculate the mode, range, median, mean, variance and standard deviation for the following 12 scores:
20, 22, 23, 25, 29, 30, 31, 33, 35, 35, 37, 30 (16 marks)

Question Five

- a) Discuss the steps the Ministry of Education should use to curb examination cheating in Schools (10 marks)
- b) Describe five purposes of educational measurement and evaluation in schools (10 marks)