

50



**(Knowledge For Development)**

**KIBABII UNIVERSITY**

**UNIVERSITY EXAMINATIONS**

**2020/2021 ACADEMIC YEAR**

**THIRD YEAR SEMESTER TWO**

**(REGULAR)**

**SPECIAL/SUPPLEMENTARY EXAMINATION**

**FOR THE DEGREE OF BACHELOR OF EDUCATION ARTS**

**COURSE CODE: PSY 321**

**COURSE TITLE: EDUCATION MEASUREMENT AND EVALUATION**

**DATE: 23/11/2022**

**TIME:8.00-10.00am**

---

**INSTRUCTIONS:** Answer Question One And Any Other TWO (2) questions

**TIME : 2 Hours**

(30marks)

**Question One**

- a) Discuss five purposes of measurement and evaluation(10marks)
- b) Describe three categories of objective tests(3marks)
- c) Explain the importance of a specification table(6marks)
- d) For each of the following examples, state the highest level of measurement involved
  - i) The number on the vests of soccer players
  - ii) Number of kilogrammes that a sportsman can lift.
  - iii) Number assigned consecutively to students as they complete an examination consisting of 50 items.
  - iv) Performance on the essay section of a KSCE English test.
  - v) Number of students in a statistic class. (5marks)
- e) Explain three types of reliability(6marks)

(20marks)

**Question Two**

- a) Explain five factors to be considered when choosing a test format (10 marks)
- b) Discuss five challenges the Kenya government gets while administering National Examinations (10 marks)

(20marks)

**Question Three**

The following scores were obtained by 30 students in a Kiswahili CAT:

46	31	18	39	40	38
37	19	15	26	14	37
24	41	18	19	21	25
31	10	20	21	32	46
20	30	32	27	31	37

- a. Use the above scores to prepare a grouped frequency distribution using a class interval size 5 and starting with 10-14 as the lowest class interval(4 marks)
- b. For the grouped data, calculate the following:
  - i) Mode ii) Median iii) Mean (8marks)
- c. Comment on the performance in the Kiswahili CAT using the information in (b) above (2 marks)

- d. Determine the range for the grouped data (2 marks).
- e. Compute the variance and standard deviation for the grouped data (4 marks).

**Question Four**

**(20marks)**

- a) The scores on a test were normally distributed, with mean of 76 and standard deviation of 12.
  - (e) Compute the z score for the score 70 on the test (2 marks).
  - (f) Compute the z score for the score 94 on the test. (2 marks).
  - (g) What proportion of the scores in the distribution should fall between 70 and 94? (4marks).
  - (h) If  $N = 50$ , how many scores fall below 70? (2 marks).
  - (i) If  $N = 50$ , how many scores lie between 70 and 94? (4marks).
- b) Describe three important features of a normal curve (6 marks)

**Question Five**

**(20marks)**

- a) Discuss the various levels of Bloom's taxonomy of education objectives (10 marks)
- b) Explain the various evaluation techniques used in secondary schools in Kenya (10marks)