

CHUKA



UNIVERSITY

**UNIVERSITY EXAMINATIONS**

**RESIT/SPECIAL EXAMINATION**

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN ECONOMICS AND STATISTICS, BACHELOR OF ARTS IN ECONOMICS AND SOCIOLOGY, BACHELOR OF ARTS IN ECONOMICS & MATHEMATICS**

**ECON 232: ECONOMIC STATISTICS 1**

**STREAMS:**

**TIME: 2 HOURS**

**DAY/DATE: WEDNESDAY 12/09/2018**

**11.30 A.M. – 1.30 P.M.**

**INSTRUCTIONS:**

- Answer question one and any other two.

**QUESTION ONE**

- i Define the term statistics. [4 Marks]
- ii Data is the subject matter of statistics, explain the features of statistical data with the help of definitions. [6 Marks]
- iii Discuss the utility of statistics to the government and the economy. [20 Marks]

**QUESTION TWO**

- i Depict the following information through frequency polygon. [10 Marks]

Class	0-10	10-20	20-30	30-40	40-50	50-60	60-70
Frequency	2	5	9	15	8	4	3

- ii Discuss four main limitations of diagrams and graphs in data representation. [10 Marks]

**QUESTION THREE**

- a In a class of a hundred students, a test was conducted and marks of passed students given. If the average marks of the class is 51.7, find the average marks of the passed students and failed students. [12 Marks]

Marks	40	45	50	55	60	65	70	75
No. of students	2	8	10	20	20	8	7	5

- b Give brief account of the following

- i Planning a statistical study. [3 Marks]
- ii Sources of data. [2 Marks]
- iii Different types of statistical enquiry. [3 Marks]

**QUESTION FOUR**

- i Calculate index numbers for 2004 on the bases of prices of 1999 by using Laspeyres method. [10 Marks]

Items	Quantity	Prices (Kshs)	
		1999	2004
Rice	25	15	18
Milk	10	10	12
Pulses	5	18	24
Oil	2	25	28
Fuel	2	40	55
Sugar	4	14	16

- ii Briefly describe Dorbish and Bowley methods of computing price indices [10 Marks]
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