

University Examinations for 2020/2021Academic Year
SCHOOL OF BUSINESS AND ECONOMICS
DEPARTMENT OF ACCOUNTING BANKING AND FINANCE
SECOND YEAR SECOND TERM EXAMINATION FOR
DIPLOMA IN COMMUNITY DEVELOPMENT
STATISTICS

DATE: 10/6/2021 TIME: 11.30-2.30 PM

INSTRUCTIONS:

Answer any three questions

QUESTION ONE

Highlight the advantages and disadvantages of arithmetic mean.

(20 marks)

QUESTION TWO

From the following data of 90 students marks calculate the arithmetic mean

Marks	No of students	
0-20	5	
20-40	7	
40-60	13	
60-80	8	
80-100	7	(20 marks)

QUESTION THREE

Find the median marks for the following distribution:

(20 marks)

Classes	0-10	10-20	20-30	30-40	40-50
Frequency	2	12	22	8	6

QUESTION FOUR

The sales of a company (in million shillings) for each year are shown in the table below.

x (year)	2005	2006	2007	2008	2009
y (sales)	12	19	29	37	45

- a) Find the least square regression line y = a x + b.
- b) Use the least squares regression line as a model to estimate the sales of the company in 2012. (20 marks)