



MACHAKOS UNIVERSITY

University Examinations 2019/2020

SCHOOL OF PURE AND APPLIED SCIENCES

DEPARTMENT OF MATHEMATICS, STATISTICS AND ACTUARIAL SCIENCE

SECOND YEAR SECOND SEMESTER EXAMINATION FOR

DIPLOMA IN DIPLOMA IN COMMUNITY DEVELOPMENT

STATISTICS

DATE: 5/11/2020

TIME: 11:30 – 2:30 PM

INSTRUCTIONS: Answer any three questions

QUESTION ONE (20 MARKS)

Highlight the advantages and disadvantages of arithmetic mean.

QUESTION TWO (20 MARKS)

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

QUESTION THREE (20 MARKS)

From the following information calculate the median

Class boundary	Frequency
50-60	7
60-70	81
70-80	192
80-90	200
90-100	82
100-110	18

QUESTION FOUR (20 MARKS)

Highlight the advantages of standard deviation.