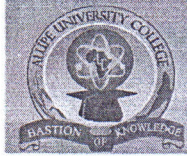


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ACADEMICS, RESEARCH AND STUDENTS' AFFAIRS

UNIVERSITY EXAMINATIONS

2018 /2019 ACADEMIC YEAR

SECOND YEAR FIRST SEMESTER REGULAR EXAMINATION

FOR THE DEGREE OF BACHELOR OF BUSINESS
MANAGEMENT

COURSE CODE: BBM 211

COURSE TITLE: BUSINESS STATISTICS

DATE: 20/12/2018

TIME: 9.00am -12.00 pm

INSTRUCTION TO CANDIDATES

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QUESTION THREE

You are given the data pertaining to kilowatt hours of electricity consumed by 100 persons in Kakamega.

Consumption in kilowatt	number of users
0 but not less than 10	6
10 but not less than 20	25
20 but not less than 30	36
30 but not less than 40	20
40 but not less than 50	13

Calculate the standard deviation and the range within which middle 50% of the consumers fall.

(20 marks)

QUESTION FOUR

You have conducted a market survey with a sample of size 50 regarding the acceptability of a new product which your company wants to launch. The scores of the respondents on the appropriate scale are as follows

40	45	41	45	45	30 ✓	39	8	48	25 - ✓
26 ✓	9	23 ✓	24 ✓	26 ✓	29 ✓	8	40	41	42
39	35 ✓	18 ✓	25 ✓	35 ✓	40	42	43	44	36
27 ✓	32 ✓	28 ✓	27 ✓	25 ✓	26 ✓	38	37	36	35
32 ✓	28 ✓	40	41	43	44	45	41	39	41

Prepare a frequency table and present the same information as a histogram

(20 marks)