



Private & Confidential

**FACULTY OF BUSINESS**

**FINAL EXAMINATION**

Student ID (in Figures) : 

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Student ID (in Words) : \_\_\_\_\_

Course Code & Name : **STA2114 Business Statistics**  
Semester & Year : January – April 2020  
Lecturer/Examiner : Rosnah Mohamad Noor  
Duration : 3 Hours

**INSTRUCTIONS TO CANDIDATES**

1. This question paper consists of 2 parts:  
PART A (30 marks) : THIRTY (30) multiple choice questions. Answers are to be written in the Multiple Choice Answer Sheet provided.  
PART B (70 marks) : FOUR (4) problem solving questions. Answers are to be written in the Answer Booklet provided.
2. Candidates are not allowed to bring any unauthorized materials except writing equipment into the Examination Hall. Electronic dictionaries are strictly prohibited.
3. This question paper must be submitted along with all used and/or unused rough papers and/or graph paper (if any). Candidates are NOT allowed to take any examination materials out of the examination hall.
4. Only ballpoint pens are allowed to be used in answering the questions, with the exception of multiple choice questions, where 2B pencils are to be used.

**WARNING:** The University Examination Board (UEB) of BERJAYA University College regards cheating as a most serious offence and will not hesitate to mete out the appropriate punitive actions according to the severity of the offence committed, and in accordance with the clauses stipulated in the Students’ Handbook, up to and including expulsion from BERJAYA University College.

**Total Number of pages = 8 (Including the cover page)**

**PART B : PROBLEM SOLVING QUESTIONS (70 MARKS)**

**INSTRUCTION(S)** : Answer all **FOUR (4)** questions. Write your answers in the Answer Booklet(s) provided.

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**Question 1**

Briefly explain the following terms:

- a) Statistics ( 3 marks)
- b) Primary data ( 3 marks)
- c) Secondary data ( 3 marks)
- d) Inferential statistics ( 3 marks)
- e) Descriptive statistics ( 3 marks)

**( Total: 15 marks)**

**Question 2**

The frequency distribution table given below shows the monthly consumption of electricity of 68 consumers of a locality.

Monthly Consumption (kwh)	Number of Consumers
65 – 85	4
85 – 105	5
105 – 125	13
125 – 145	20
145 – 165	14
165 – 185	8
185 – 205	4
Total	68

Calculate the following:

- a) Mean ( 3 marks)
- b) Mode ( 3 marks)
- c) Median ( 4 marks)
- d) Quartile 1 ( 6 marks)
- e) Quartile 3 ( 6 marks)
- f) Inter quartile ( 3 marks)

**( Total 25 marks)**

**Question 3**

On the data collection method, explain **THREE (3)** advantages and **TWO (2)** disadvantages of face to face interview. ( 15 marks)

**Question 4**

The table below shows the interest rate for car loans and the average number of customers who apply for the loans in a month from finance company.

X	6.0	6.2	6.5	6.8	7.0	7.2	7.5	7.8	8.0	8.2	8.4	8.7
y	80	80	78	75	70	60	60	55	50	48	45	40

X= Interest rate

Y= Number of customer

Calculate the coefficient of correlation (r). ( 15 marks)

**END OF EXAM PAPER**