

FACULTY OF BUSINESS

FINAL EXAMINATION

Student ID (in Figures)	:												
Student ID (in Words)	:												
Course Code & Name	:	STA101	4 INTR	ODUC	TION	том	ATHE	MATI	CS AN	ID ST/	ATISTI	CS	
Semester & Year	:	May – /	August 2	2020									
Lecturer/Examiner	:	Rosnah	Mohan	nad N	oor								
Duration	:	2 Hours	5										

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 = 7 (Including the cover page)

Question 1

Using matrices, calculate the value of the unknowns in each of the following simultaneous equations.

a)	x+y = 8 2y-x = 4	(5 marks)
b)	3p-1+q=0 9p-4q+9=0	(5 marks)
c)	3b=2a+13 5a-7b=20	(5 marks)
d)	7=5m-8n 6=5m-2n	(5 marks)

(Total: 20 marks)

Question 2

Calculate the value of the unknowns in each of the following simultaneous equations. Use the elimination method.

a)	2x+3y= 10 5x+3y= 15	(5 marks)
b)	3x+6y= 12 x+3y= 9	(5 marks)

(Total: 10 marks)

Question 3

Calculate each of the following sets of data.

	-	_	-	-		_	_	_	-	I
	2	5	6	9	10	5	9	9	8	
Cal	Calculate the following:									
a)	Mean								(2 ma	rks)
b)	Mode								(3 ma	ırks)
c)	Median								(3 ma	arks)
d)	Quartile 1	-							(3 ma	arks)
e)	Quartile 3	}							(3 ma	arks)
f)	Inter qua	rtile							(3 ma	irks)
g)	Quartile o	leviation							(3 ma	ırks)
								(T	otal: 20 ma	arks)

Question 4

a) Briefly explain the following terms.

i.	Statistics	(3 marks)
ii.	Primary data	(3 marks)
iii.	Secondary data	(3 marks)
iv.	Inferential statistics	(3 marks)
v.	Descriptive statistics	(3 marks)
b)	On the data collection method, explain TW0 (2) advantages of face to face interview.	(5 marks)

(Total: 20 marks)

END OF EXAM PAPER