



**BOWEN UNIVERSITY, IWO**  
College of Management and Social Sciences  
Business Administration Programme  
First Semester 2021/2022 Examination

<b>Level</b>	: 200
<b>Course Title</b>	: Business Statistics
<b>Course Code</b>	: BUS 203
<b>Instruction</b>	: Answer any Four Questions
<b>Time Allowed</b>	: 2 Hours
<b>Date</b>	: 14 <sup>th</sup> March, 2022

Use the data in the Table below to answer questions 1 – 5 using a class size of 11-20, 21-30, e.t.c.

58	15	81	79	92	58	69	32	45	56
41	85	43	52	61	75	85	69	56	49
57	87	89	49	85	45	69	75	65	61
25	72	67	58	84	60	32	57	69	68
73	42	65	55	74	58	36	78	68	79

1. (a) Prepare a frequency distribution table for the data **10 Marks**  
(b) Represent the set of data with a simple bar chart **7.5 Marks**
  
2. (a) Present histogram of the set of data **8.5 Marks**  
(b) Present the set of data with the use of a pie chart **9 Marks**
  
3. (a) Present the frequency polygon of the set of data **8.5 Marks**  
(b) Present the cumulative frequency curve of the set of data **9 Marks**
  
4. (a) Compute the arithmetic mean using the assumed mean method **10 Marks**  
(b) Use the coding method to compute the arithmetic mean **7.5 Marks**
  
5. (a) Compute the median for the set of data **10 Marks**  
(b) Compute the standard deviation for the set of data **7.5 Marks**
  
6. (a) What do you understand by the term 'Statistics'? **2.5 Marks**  
(b) Outline five uses of statistics in everyday life **7.5 Marks**  
(c) Outline five qualities of a good questionnaire **7.5 Marks**