



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS**  
**MARCH/APRIL 2016 EXAMINATION**

**SCHOOL OF SCIENCE AND TECHNOLOGY**

**COURSE CODE:** DAM363  
**COURSE TITLE:** Economic Statistics

**TIME ALLOWED:** 3 Hours

**INSTRUCTION:** Answer question one (1) and any three (3) questions

1. The ages of members of a golf club are given below:

65 40 60 46 51 55 59 63 68 53 35  
47 53 42 63 67 62 64 70 37 56 57  
43 56 48 51 58 63 65 39 49 64 62  
65 59 63 50 48 72 67 56 61 53 61  
56 52 49 62 41 58 53 69 36 59 41

- a. Prepare a group frequency table with class interval 35-39, 40-44, 45-49 etc.
- b. Calculate:
  - i. The mean
  - ii. The mean deviation
  - iii. The Standard deviation (17.5 marks)

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- 2a. Mention the four(4) disadvantages of median (4 marks)
  - 2b. Define cluster sampling (3 marks)
  - 2c. In a tabular form outline five(5) comparisons between Laspayres and Pasche indices (10.5 marks)

- 3a. Explain mathematical and applied statistics (4 marks)
- 3b. Outline six(6) advantages of median (6 marks)
- 3c. List and explain two(2) methods of collecting primary data (4 marks)
- 3d. List four (4) features of standard deviation (3.5 marks)

- 4a. List and explain the nature of statistical errors (6 marks)

- 4b. Write the two(2) advantages of Weighted Price Index (1.5 marks)  
4c. Outline the six(6) advantages and four(4) disadvantages of arithmetic mean (10 marks)

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- 5a. List the three (3) advantages and four(4) disadvantages of quartile deviation (7 marks)  
5b. List the features of mean deviation (5.5 marks)  
5c. List five (5) disadvantages of mode (5 marks)

- 6a. Outline the five(5) advantages of mode (5 marks)  
6b. Outline the five(5) ways of transforming data into Information (5 marks)  
6c. List 5 advantages of index number (5 marks)  
6d. Define statistics (2.5 marks)