



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**PLOT 91, CADASTRAL ZONE, NNAMDI ASIKIWE EXPRESSWAY, JABI – ABUJA**  
**FACULTY OF SCIENCES**

**2021\_1 EXAMINATION**

**COURSE CODE: DAM363**

**COURSE TITLE: Economic Statistics**

**CREDIT: 3 Units**

**TIME ALLOWED: 2½ Hours**

**INSTRUCTION: Answer Question ONE (1) and any other four (4)**

**Question One**

- 1a i. Enumerate the two main parts that the field of Statistics could be divided into [2 marks]
- 1a. ii. In statistical perspective, what is data? [1 mark]
- 1a. iii. Discuss briefly the term corruption [3 mark]
- 1b. i. Discuss briefly the term *Liberalisation* [2 marks]
- 1b. ii. In calculating for Physical Quality of Life Index (PQLI), how can you find out the achievement level of a positive variable? [2 mark]
- 1b. iii. State the main objective of the competition policy and law [1 mark]
- 1c. i. Explain the Comparative Advantage theory [2 marks]
- 1c. ii. Describe briefly the Human Development Index (HDI) [3 marks]
- 1d. i. What is PPP? [3 marks]
- 1d. ii. A survey of a small garden was carried out and it was found that there are twelve banana trees in the garden, aside other trees with each of the banana trees having heights of 8, 5, 7, 4.8, 4.5, 7.2, 5.2, 6, 3, 9, 7.6 and 4.9 respectively. What is the mean of their heights in meter? [2 marks]
- 1d. iii. What is the Significance Level of a test:  $\alpha$ ? [1 mark]

**Question Two**

- 2a. i. Briefly describe the concept of “Economic Liberalisation”. [2 marks]
- 2a. ii. Describe the economic model of corruption using the neo-classical framework. [5 marks]
- 2b. i. Why is the analysis of numerical data important in Statistics? [2 marks]
- 2b. ii. What is the meaning of Human Development? [3 marks]

### Question Three

- 3a. i. Enumerate six (6) questions that should be asked about the data used for investigation [3 marks]
- 3a. ii. List out **SIX** reasons PPP may not hold. [3 marks]
- 3b. i. What are the three ways that a questionnaire can be administered? [3 marks]
- 3b. ii. Discuss the following nature of Statistics.
- i. Bias [1 mark]
  - ii. Precision [1 mark]
  - iii. Accuracy [1 mark]

### Question Four

- 4a. i. List and explain **THREE** methods of collecting Primary Data [6 marks]
- 4b. ii. Discuss **THREE** measures that bring solutions to corruption. [6 marks]

### Question Five

- 5a. i. Enumerate **THREE** basic assumptions of economic liberalisation. [3 marks]
- 5a. ii. List and explain the two types of data that is available. [3 marks]
- 5b. i. Using appropriate mathematical functions, explain how to find the achievement level for a negative indicator. [2 marks]
- 5b. ii. What is the PPP Equilibrium Story? [4 marks]

### Question Six

- 6a. i. How does statistical analysis begin? [2 mark]
- 6a. ii. What are the key advantages of economic liberalisation? [3 marks]
- 6b. i. Discuss the following concepts as it regards Statistics
- i. Population [2 marks]
  - ii. Sample [2 marks]
- 6b. ii. What are the sources of secondary data? [3 marks]