



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS**  
**SCHOOL OF SCIENCE AND TECHNOLOGY**  
**MAY/JUNE 2012 EXAMINATION**

DAM363: Economic Statistics

Time: 2hrs

Instruction: Attempt any four (4) questions

**Question 1**

A box contains 50 items of which 15 are without defect, 10 items are selected at random without replacement.

- i) What is the probability that the 10 items are non-defective? (10 marks)
- ii) The probability that the 10 items are defective is? (10 marks)

**Question 2**

In a pie chart representation of people in a Country, the sector corresponding to Kanuris is 12%, if the total number of people in the Country is 150 Million. How many Kanuris are there?

(20 marks)

**Question 3**

Given the data 400, 150, 259, 170, 162, 316, and 120, what is the average of the Mean and Median?

(20 marks)

**Question 4**

- i) Illustrate the Economic Model for Corruption or the Demand Equation for Corruption. (5 marks)
- ii) Proffer five solutions to corruption. (15 marks)

**Question 5**

- i) Success in tackling corruption needs to be both preventive and therapeutic. Itemize seven (7) proffered solution to the Economic menace; Corruption.

(2 each = 14 marks)

- ii) What is purchasing power parity? (6 marks)

**Question 6**

- i) Enumerate an five (5) Advantages of Index Numbers (2 each = 10 marks)
- ii) What is GDP deflator? (4 marks)

Given that; Nominal GDP = 4.8 Billion Naira and Real GDP is 2.0 Billion Naira, find the GDP deflator. (6 marks)

