



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**14-16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS**  
**SCHOOL OF SCIENCE AND TECHNOLOGY**  
**JANUARY/FEBRUARY 2013 EXAMINATION**

**Course Title:** DAM363: Economic Statistics  
**Instruction:** Attempt any four (4) questions  
**Credit Unit:** 2  
**Time:** 2 Hours

**Question 1**

Illustrate the Economic Model for Corruption or the Demand Equation for Corruption.

$$D_i^C = f [G, C, P^e, V, Y^1, Y^d, E]$$

**25 Marks**

**Question 2**

Success in tackling corruption needs to be both preventive and therapeutic. Itemize Nine (9) proffered solution to the Economic menace; Corruption.

**25 Marks**

**Question 3**

Given the data 400, 150, 359, 170, 162, 416, and 160, what is the average of the Mean and Median?

**25 Marks**

**Question 4**

A box contains 100 items of which 30 are without defect, 20 items are selected at random without replacement.

- What is the probability that the 20 items are non-defective?
- The probability that the 20 items are defective is?

**25 Marks**

**Question 5**

- What is purchasing power parity?
- Enumerate five (5) advantages of Index Numbers

**25 Marks**

**Question 6**

In a pie chart representation of people in a Country, the sector corresponding to Soros is 32%, if the total number of people in the

Country is 160 Million how many Soros are there?  
**25 Marks**

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