



NATIONAL OPEN UNIVERSITY OF NIGERIA
JABI FCT ABUJA
FACULTY OF SCIENCE
FEBRUARY 2018 EXAMINATION

DAM363: ECONOMIC STATISTICS

TIME ALLOWED: 3Hours

INSTRUCTION(S): Attempt any Four (4) questions

Question 1

- i) What are the determinants of the human development index? – **4 marks**
- ii) Discuss the different primary data collection techniques that you know -**10marks**
- iii) Mention any five impacts of trade liberalization and competition policy – **3.5 marks**

Question 2

A bag contains 10 white balls and 15 black balls. Two balls are drawn in succession (a) with replacement (b) without replacement.

What are the probabilities that;

- i) both are black - **2 marks**
- ii) the second is black given that the first is white - **2 marks**
- iii) both are of different colours - **7.5 marks**
- iv) the first ball is black and the second ball is white - **6 marks**

Question 3

- i) Corruption everywhere is usually frowned upon as immoral and criminal. Briefly discuss any five solutions to the corruption menace - **10 marks**
- ii) Discuss the various sub-categorization of data - **7.5 marks**

Question 4

- i) What are estimators? - **3 marks**
- ii) List and explain the criteria used to assess estimators? - **8.5 marks**
- iii) Enumerate the steps needed in hypothesis testing - **6 marks**

Question 5

- i) Discuss the types of errors that can be encountered in hypothesis testing - **6 marks**
- ii) State any eight (8) features of standard deviation - **8 marks**
- iii) What are the advantages of an index number? - **3.5 marks**