

**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**

1. What are the determinants of the human development index?**–4 marks**
2. Discuss the different primary data collection techniques that you know **-10marks**
3. 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;

1. both are black **- 2 marks**
2. the second is black given that the first is white **- 2 marks**
3. both are of different colours **- 7.5 marks**
4. the first ball is black and the second ball is white **- 6 marks**

**Question 3**

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

**Question 4**

1. What are estimators? - **3 marks**
2. List and explain the criteria used to assess estimators? - **8.5 marks**
3. Enumerate the steps needed in hypothesis testing - **6 marks**

**Question 5**

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