

**NATIONAL OPEN UNIVERSITY OF NIGERIA**

**JABI FCT ABUJA**

**FACULTY OF SCIENCE**

**JUNE 2018 EXAMINATION**

**DAM363: ECONOMIC STATISTICS**

**TIME ALLOWED: 3Hours**

**CREDIT UNIT: 2**

**INSTRUCTION(S): Attempt Question one (1) and any other three (3) questions**

**Question 1**

1. 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 **- 6 marks**
4. the first ball is black and the second ball is white **- 4 marks**
5. What are the determinants of the human development index? **– 4 marks**
6. Mention any five impacts of trade liberalization and competition policy **– 2 marks**
7. Explain Purchasing Power Parity Theory as a Theoretical Concept - **5 marks**

**Question 2**

1. Describe any four methods of data collection - **9 marks**
2. Enumerate the steps needed in hypothesis testing **- 6 marks**

**Question 3**

1. List and discuss any nine (9) methods of sampling **- 9 marks**
2. Enumerate any six advantages of arithmetic mean - 6 **marks**

**Question 4**

1. State any nine (9) features of standard deviation **- 9 marks**
2. State any six advantages of median - 6 **marks**

**Question 5**

1. Data for research can be divided into Qualitative or Quantitative. List and discuss the subdivisions of Qualitative and Quantitative data. **– 10 marks**
2. What are the advantages of an index number? - **5 marks**