

**NATIONAL OPEN UNIVERSITY OF NIGERIA**

**UNIVERSITY VILLAGE, 91 CADASTRAL ZONE, NNAMDI AZIKWE EXPRESSWAY, JABI, ABUJA**

**FACULTY OF SCIENCE**

**DEPARTMET OF COMPUTER SCIENCE**

**OCTOBER, 2019 EXAMINATIONS**

**COURSE CODE: DAM 363**

**COURSE TITLE: ECONOMIC STATISTICS**

**CREDIT: 2 UNITS**

**TIME ALLOWED: 2 HOURS**

**INSTRUCTION: ANSWER QUESTION 1 AND ANY OTHER THREE (3) QUESTIONS**

**Question 1**

1. Explain the determinants of the human development index?  **(4 marks)**
2. Assess any four impacts of trade liberalization and competition policy**(4 marks)**
3. Explain the types of hypothesis **(4 marks)**
4. What are the advantages of an index number? (**5 marks)**
5. Assess the concept of GDP Deflator **(4 marks)**
6. Differentiate between the **Type I** and **Type II** errors in hypotheses testing **(4 marks)**

**Question 2**

a) An urn contains 4 blue balls and 5 red balls. Using replacement policy, what is the probability of picking the following in succession:

1. two balls of the same colour ***(4 marks)***
2. two balls of different colours ***(4 marks)***
3. two red balls ***(3 marks****)*

b) Examine the concept of purchasing power parity theory ***(4 marks)***

**Question 3**

Using 2012 as base year from the data presented on the table below, compute the following:

1. Pasche’s Quantity Index ***(10 marks)***
2. Laspeyre’s Quantity Index ***(2 marks)***
3. Fisher’s Ideal Index ***(3 marks)***

|  |  |  |
| --- | --- | --- |
|  | **2012** | **2013** |
| **Item** | **Price (N)’000** | **Qua-ntity** | **Price (N)’000** | **Quantity** |
| TV | 20 | 14 | 22 | 12 |
| Radio | 10 | 10 | 9 | 15 |
| Battery | 6 | 8 | 8 | 10 |

**Question 4**

(a) Briefly discuss seven (7) effects of corruption on the economy?**(7 mks)**

(b) Apply four(4) criteria used in judging estimators **(8 mks)**

**Question 5**

1. Describe five ways of transforming data into Information (**5 marks)**

(b) Analyze the different primary data collection techniques (**10marks)**