



**NATIONAL OPEN UNIVERSITY OF NIGERIA**

**PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI-ABUJA**

**FACULTY OF SCIENCES**

**DEPARTMENT OF COMPUTER SCIENCE**

**2023\_2 EXAMINATIONS**

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**COURSE CODE: CIT301**

**COURSE TITLE: STRUCTURED PROGRAMMING**

**COURSE CREDIT: 3 UNITS**

**TIME ALLOWED: 2 HOURS**

**INSTRUCTION: ANSWER QUESTION 1 AND ANY OTHER THREE QUESTIONS**

**Q1.**

**(a) Compare modularity to monolithic systems?**

**3 marks**

**(b) Differentiate between call by value and call by reference?**

**4 marks**

**(c) Describe with a C statement, 4 common string functions you know?**

**4 marks**

**(d) A transport company contracts you to publish the steps for transporting passengers from one city to another. Using the first four phases of program development and respective tools, practically implement the process.**

**14 marks**

**Q2.**

**(a) Discuss 4 characteristics of low-level languages**

**8 marks**

**(b) Tabulate 3 dissimilarities between semantic and runtime errors?**

**6 marks**