



NATIONAL OPEN UNIVERSITY OF NIGERIA
PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI-ABUJA
FACULTY OF SCIENCES
DEPARTMENT OF COMPUTER SCIENCE
2023_1 POP EXAMINATION

COURSE CODE: CIT401
COURSE TITLE: ORGANIZATION OF PROGRAMMING LANGUAGES
CREDIT UNIT: 3
TIME ALLOWED : 2¹/₂ HRS
INSTRUCTION: ANSWER QUESTION ONE AND ANY THREE (3)

QUESTIONS

- 1a. Write a short note on the programming language. (5marks)
- 1b. Discuss Machine language as a class of programming language. (5marks)
- 1c. Itemise five (5) categories of programming paradigm. (5marks)
- 1d. Write meaning for the following field descriptors that are used along with the FORMAT statements in FORTRAN (10marks)

I -
F -
E -
G -
A -
X -
H -
/-
T -

- 2a. Write a short note on primitive data types. (5marks)
- 2b. Discuss Assembly language as a class of programming language. (5marks)
- 2c. Write short note on Input/Output device error. (5marks)
- 3a. Discuss elementary structures of structured programs? (6marks)
- 3b. Discuss the three components of programming language: syntax, grammar, and semantics. (9marks)
- 4a. Itemize any 5 factors that determined why a programming language is preferred over another. (5marks)
- 4b. Write a short note on division by zero error (5marks)
- 4c. Write a short note on Object-Oriented Paradigm (5marks)
- 5a. Write a short note on undefined object error (5marks)

5b. Write a short note on Imperative Paradigm (5marks)

5c. Discuss High-level language as a class of programming language. (5marks)

6a. Write a short note on Object-Oriented Paradigm (5marks)

6b. Write a short note on Symbolic Language (5marks)

6c. Write a short note on Assembly Language. (5marks)