



NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF COMPUTING
DEPARTMENT OF COMPUTER SCIENCE
2025_2 EXAMINATIONS

COURSE CODE: CIT 736
COURSE TITLE: COMPUTER PROGRAMMING
COURSE UNIT: 2
TIME: 2HRS
INSTRUCTION: ANSWER QUESTION 1 AND ANY OTHER THREE (3)

QUESTIONS

1(a) Write short note on the following

- i. Compiler (3 marks)
- ii. Subroutine (3 marks)
- iii. Debugging (3 marks)
- iv. Algorithm (3 marks)

1(b) Itemize the programme main unit form (2 marks)

1(c) Discuss assignment operations in programming. (6 marks)

1(d) Write down the full meaning of the following

- (i) IBM (1 mark)
- (ii) PhP (1 mark)

1(e) What is the full meaning of the following acronym:

- i. FORTRAN (1 mark)
- ii. COBOL (1 mark)
- iii. BASIC (1 mark)

2(a) Explain the FORTRAN program structure (7 marks)

2(b) Mention six examples explain why runtime errors is harder to handle than design errors (8 marks)

3(a) Discuss the chronological emergence of different FORTRAN versions (7 marks)

3(b) Draw a diagram of the program units in FORTRAN and explain the different parts (8 marks)

4(a) Demarcate four FORTRAN data types versus valid values (12 marks)

4(b) How can one design a flowchart? (3 marks)

5(a) State the systematic procedure for problem solving using computer (4 marks)

5(b) Write a short note on the use of variables and constants with examples in PASCAL (11 marks)