



NATIONAL OPEN UNIVERSITY OF NIGERIA
PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI-ABUJA
FACULTY OF COMPUTING
DEPARTMENT OF COMPUTER SCIENCE
2025_2 EXAMINATIONS

COURSE CODE: CIT711

COURSE TITLE: COMPUTER FUNDAMENTALS

COURSE CREDIT: 3 UNITS

TIME ALLOWED: 3 HOURS

INSTRUCTION: ANSWER QUESTION 1 AND ANY OTHER THREE QUESTIONS

- 1(a). Differentiate between a digital signal and an analogue signal **(4 marks)**
1(b). State and explain clearly the different mode of signal transmission? **(6 marks)**
1(c) List and explain the four (4) main advantages of high level programming languages? **(5marks)**
1(d): Discuss the classification of computers according to Flynn category? **(10 marks)**
- 2(a): Discuss any four (4) main advantages of high level programming languages? **(5 marks)**
2(b). What are the advantages of having densely packed Integrated Circuits? **(5 marks)**
2(c)i: What is vector processing? **(2 marks)**
2(cii). What are the applications of vector processing? **(3 marks)**
- 3(a). What are the main classifications of computers? **(8 marks)**
3(b). Define the following terms; Variable, Constants, an Array, Expression? **(4 marks)**
3(c). Write short notes on any two (2) of the following: radio link, microwave link and satellite link. **(3 marks).**
- 4(a). Describe the term internet? **(2 marks)**
4(b). What are the services provided by the internet? **(8 marks)**
4(c). Provide explanations for the classification of computer viruses. **(5 marks)**
- 5(a). Discuss the three (3) switching methods **(6 marks).**
5(b). Explain any five (5) types of computer viruses as contained in the manual **(9 marks)**
- 6(a). Explain the first 5 layers of the OSI Model? **(10 marks)**
6(b). What are the key features of a Von Neumann machine? **(5 marks)**