



National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Science
APRIL 2019 EXAMINATION

Course Code: CIT711

Course Title: Computer Fundamentals

Credit: 3 Units

Time Allowed: 3 Hours

Instruction: Answer Question One (1) and any other four (4) Questions

Question 1

- (a) What are the key features of a Von Neumann machine? **(5 marks)**
- (b) State five (5) advantages of having densely packed integrated circuits **(5 marks)**
- (c) Mention three (3) cost-effectiveness of computer architecture. **(3 marks)**
- (d) Give five (5) differences between compilers and interpreters **(5 marks)**
- (e) List four (4) main advantages of High Level Programming Language **(4 marks)**

Question 2

- (a) What are the three (3) main functions to be performed by a link level protocol? **(6 marks)**
- (b) List six functions performed by anti-viral programs **(6 marks)**

Question 3

- (a) Mention any five (5) most important categories of software packages available **(5 marks)**
- (b) List five of the functions that communication protocol regulates **(5 marks)**
- (c) What are the tasks of an office manager? **(2 marks)**

Question 4

- (a) What are the principles of Reduced Instruction Set Computer (RISC) Architecture?
Mention three (3). **(6 marks)**
- (b) Enumerate any (6) features of an Accounting Package **(6 marks)**

Question 5

- (a) State the advantages and disadvantages of Assembly Language **(10 marks)**
- (b) List the smallest components of a programming language **(2 marks)**

Question 6

- (a) Discuss the first commercial application of viruses **(4 marks)**
- (b) Write short notes on the two main categories of application programs. **(8 marks)**