



National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Science
Department of Computer Science
2022_2 EXAMINATION

Course Code: CIT711

Course Title: Computer Fundamentals

Credit: 3 Units

Time Allowed: 3 Hours

Instruction: Answer Question One (1) and any other three (3) Questions

Question 1

- (a) *Enumerate any five (5) functions of an anti-virus program? (5 marks)*
- (b) *What are the key features of a Von Neumann machine? (5 marks)*
- (c) *State five (5) advantages of having densely packed integrated circuits (5 marks)*
- (d) *List any five (5) differences between compilers and interpreters (5 marks)*
- (e) *List five (5) main advantages of High-Level Programming Language (5 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)*
- (c) *List the three switching techniques commonly employed? (3 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)*
- (d) *Outline the four categories of Flynn's classification of computers (3 marks)*

Question 4

- (a) *What are the principles of Reduced Instruction Set Computer (RISC) Architecture? Mention three (3). (6 marks)*
- (b) *List any (6) features of an Accounting Package (6 marks)*
- (c) *Enumerate two advantages and disadvantages of CD-ROMs (3 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)*
- (c) *List the three basic steps involved in cryptanalysis (3 marks)*

Question 6

- (a) *Discuss the first commercial application of viruses (4 marks)*
- (b) *Discuss the first commercial application of viruses (8 marks)*
- (c) *Mention any seven ways of virus prevention? (3 marks)*