



National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Asikiwe Expressway, Jabi – Abuja
Faculty of Sciences
2024 1 EXAMINATION

COURSE CODE: CIT410

COURSE TITLE: CYBERSECURITY

CREDIT: 2 Units

TIME ALLOWED: 2 Hours

INSTRUCTION: Answer question ONE and any other three questions

Question One

1a. i. What is Storage security? State why it is important for businesses to pay attention to data security?. [3 marks]

1a. ii. The National Institute of Standards and Technology (NIST) has created a cybersecurity framework to help organizations, briefly state what the framework emphasizes.

[2 marks]

1a. iii. In Packet Filtering, Filtering rules are based on information contained in a network packet, mention and explain five of this information [5 mark]

1b. i. Differentiate between Social Engineering and Phishing?[2 marks]

1b. ii. Briefly describe Packet filter in firewall and state its two default policies? [5 marks]

1c. i. Mention four limitations of Firewall. [3 mark]

1d. i. Mention any four disadvantages of a VPN connection [5 mark]

Question Two

2a. i. Explain 3 network protocols that are used within the VPN tunnels? [5 marks]

2a. ii. What is Secure Socket Layer (SSL)? [1 mark]

2a. iii. State the key difference between Role-based Access Control and Rule-based Access Control [4 marks]

2b. i. There are two modes in instruction execution, mention and explain them. [2 marks]

2b. ii. State four ways to achieve OS Security? [3 marks]

Question Three

3a. i. State the three hardware protection units? [3 marks]

3a. ii. Why Software Protection? [3 marks]

3b. i. Mention two techniques for software protection? How do you detect loopholes in a software? [4 marks]

3b. ii. Write A summary on Computer Forensics? [5 marks]

Question Four