



National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Asikiwe Expressway, Jabi – Abuja
Faculty of Sciences
2024_2 EXAMINATION

COURSE CODE: CIT410

COURSE TITLE: INTRODUCTION TO CYBERSECURITY

CREDIT: 2 Units

TIME ALLOWED: 2 Hours

INSTRUCTION: Answer question ONE and any other three questions

Question One

- 1a. i. Explain the three (3) levels of Computer Ethics [6 marks]
- 1a. ii. Outline the different sources of cyber law. [3 marks]
- 1a. iii. What is the importance of Cyber Law? [1 mark]
- 1b. i. List the common techniques used in email forensic investigation? [2 marks]
- 1b. ii. Mention and aptly explain 5 major impediments to Cyber Law [5 marks]
- 1c. i. Differentiate between System Threat and Program Threat [2 marks]
- 1c. ii. Briefly explain Access Control Group. [2 marks]
- 1d. i. What are the key features of typical VPN Solution? [4 marks]

Question Two

- 2a. i. What is Host-based firewall? Mention the benefits of host-based firewall. [5 marks]
- 2a. ii. With a well labeled diagram, draw Packet Filtering Firewall? [5 mark]
- 2b. i. What is the main motivation behind Cyber Crime? [1 mark]
- 2b. Write justifiably on Prohibited/Illegal Content as a Cyber Crime [4 marks]

Question Three

- 3a. i. What is the major outstanding difference between Unstructured and Structured Attacks? [4 marks]
- 3a. ii. Define Disaster Recovery? [2 marks]
- 3b. i. Write a short note on End-user Education and Awareness. Define Cloud-Security [4 marks]
- 3b. ii. At what point are flaws discovered in Applications? [2 marks]
- 3b. ii. Explain Botnet? [3 marks]

Question Four

- 4a. i. Enumerate the two (2) ways for running Botnet. Define the term Cyberstalking? [5 marks]
- 4a. ii. Describe Online Scam? [2 marks]

- 4b. i. List and explain different classification of cyber crimes. **[8 marks]**
- 4b. ii. Define Suicide Hackers? **[2 mark]**

Question Five

- 5a. i. What would you say is the main purpose of firewall? **[2 marks]**
- 5b. ii. Show a well labeled Diagram of Firewall gateway. **[2 marks]**
- 5b. i. What does “Virtual” in Virtual Private Network (VPN) mean?**[1 mark]**
- 5b. ii. If you’re using a USA-based VPN to access Netflix, Netflix will see your connection as coming from within the USA. True or False? **[2 marks]**
- 5b. iii. How does Firewall help businesses to handle threats? **[4 marks]**