



**National Open University of Nigeria**  
**Plot 91, Cadastral Zone, Nnamdi Asikiwe Expressway, Jabi – Abuja**  
**Faculty of Sciences**  
**2023\_2 EXAMINATIONS**

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**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. Write extensively on Critical Infrastructure Security **[4 marks]**  
1a. ii. Mention th three group of people Cyber Laws are related to? **[3 marks]**  
1a. iii. Write briefly on Business Protection with respect to cybersecurity?  
**[2mark]**  
1b. i. Explain Exploit Kits in Cybersecurity? **[3 marks]**  
1b. ii. Explain the following Cybercrimes: Malware, Man in the Middle and Phishing. **[6 marks]**  
1c. i. Some attackers don't even need a motive and might hack for fun or simply to showcase their skills, True or False? **[1 mark]**  
1c. ii. What is the prime disadvantage of Application Level Gateway?**[3 marks]**  
1d. i. Mention the types of VPN?. **[3 mark]**  
1d. ii. Show with the use a well labeled diagram how to set up a VPN by dialing an ISP?.

**Question Two**

- 2a. i. Write Five advantages of VPN. **[5 marks]**  
2a. ii. Mention two forms of access control?. **[1 mark]**  
2a. iii. Explain how the two forms of access control works.**[2 marks]**  
2b. i. Explain Attribute-based Access Control Model. **[3 marks]**  
2b. ii. Who is a systems administrator? **[4 marks]**

**Question Three**

- 3a. i. Explain 6 Access Control Model **[6 marks]**  
3a. ii. Write a short note on One Time Password (OTP)?**[2 marks]**  
3b. i. Mention the steps necessary to update an operating system**[5 marks]**  
3b. ii. What is the main need of Digital Forensics?**[2 marks]**

**Question Four**

- 4a. i. Give a brief History of Computer Forensics **[6 marks]**  
4a. ii. Outline 7 objectives of Computer Forensics. **[7 marks]**

4b. i. Applications of digital forensics. **[2 marks]**

**Question Five**

5a. i. Write Extensively on steps involved in Network Forensics investigation  
**[7 marks]**. Explain “Catch it as you can” Model of Network forensics

**[3marks]**

5b. ii. Write on Database Forensics **[6 marks]**