



National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Sciences
Department of Computer Science
2023_1 POP EXAMINATION...

COURSE CODE: CIT855

COURSE TITLE: Advanced Cyber-Security

CREDIT: 2 Units

TIME ALLOWED: 2 Hours

INSTRUCTION: Answer Question ONE (1) and any other TWO (2) Questions

- 1a. Explain the term Physical Security (3 marks)
 - 1bi. Explain the principle of Least Privilege in cyber-security (4 marks)
 - 1bii. Explain the principle of Work Factor (4 marks)
 - 1biii. What is the main crux of ISO 27032 standard (4 marks)
 - 1biv. What is Hacktivism (6 marks)
 - 1c. Describe how Screened Subnet Firewalls works (6 marks)
 - 1d. Data archives may have many various forms. Name them (3 marks)
-
- 2a. Explain any eight gains of implementing and maintaining cybersecurity (8 marks)
 - 2b. What are Application gateways (6 marks)
 - 2c. Discuss any three characterization of packet filtering firewalls (6 marks)
-
- 3a. In a sequential order, explain the basic steps that must be complied with in a risk analysis process (12 marks)
 - 3b. Discuss any four (4) major threats related to e-cash system (8 marks)
-
- 4a. List and explain any six (6) types of malwares created by hackers (12 marks)
 - 4b. List and explain any four (4) steps to followed in creating a digital signature (8 marks)
-
- 5a. What do you understand by man-in-the-middle attack (2 marks)
 - 5b. Explain any five (5) system-based attacks (10 marks)
 - 5c. Justify the rationale for establishment of security policies in organizations (8marks)