



NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi, Abuja
FACULTY OF COMPUTING
2024_2 EXAMINATION

POSTGRADUATE: PDG
COURSE TITLE: ADVANCED CYBER SECURITY
COURSE CODE CIT855
CREDIT UNIT(S): 2
TIME ALLOWED: 2 Hours
INSTRUCTION: Answer question ONE and any other three questions

QUESTION ONE

- A. List three (3) rules that Backup 3-2-1 involves with? (4 marks)
- B. Enumerate any five (5) important backup option? (5 marks)
- C. What is cyber-attack, list any five (5) categories of cyber-attack with two (2) examples each of the categories? (8 marks)
- D. What is Intrusion Detection System (IDS) and list four (4) different approaches; IDS uses to detect suspicious activities? (8 marks)

QUESTION TWO

- A. Differentiate between electronic payments system and e-cash (4 marks)
- B. List any four (4) reasons why enterprises and organizations used risk analysis (4 marks)
- C. Define the following:
 - i. Virtual private network (VPN)
 - ii. Firewall
 - iii. Digital envelopes
 - iv. Symmetric key(7 marks)

QUESTION THREE

- A. Enumerate five (5) list to boost the long-term usefulness of our archives (5 marks)
- B. Differentiate between online and offline storage with one (1) example each? (5 marks)
- C. Explain what you understand by disposal of data and state two (2) benefits of process of information disposal? (5 marks)

QUESTION FOUR

- A. What do you understand by Hidden SSID and Pre-Shared key (PSK) (5 marks)

- C. Enumerate and explain briefly the five (5) protocols using radio for signaling (5 marks)
- D. Mention any five (5) best practices in dealing with Wi-Fi attacks. (5 marks)

QUESTION FIVE

- A. List the four (4) best practices in dealing with incident reports (4 marks)
- B. List any three (3) ways to steal personal information during online transactions? (3 marks)
- C. What do you understand by Public Key Infrastructure (PKI) and list five (5) more functions of PKI (8 marks)