



**National Open University of Nigeria**  
**Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja**  
**Faculty of Science**  
**Department of Computer Science**  
**2022-1 EXAMINATION**

**COURSE CODE: CIT855**

**COURSE TITLE: Advanced Cyber-Security**

**CREDIT: 2 Units**

**TIME ALLOWED: 2Hours**

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

**Question 1**

- ai). What is a Dridex Malware? (4.5 marks)
- aii). Describe man-in-the-middle attack (4.5marks)
- aiii) Describe a brute force attack? (4.5 marks)
- aiv) What is DNS attack? (4.5 marks)
- 1b). Describe any four (4) major threats related to e-cash system? (10 marks)
- 1c. What is Skimming in ATM? (2 marks)

**Question 2**

- 2a). Discuss the concept of the CIA model **(5 marks)**
- 2b). Provide any three components each of the triangle of three principles to protect the data from cyber-attacks **(9 marks)**
- 2c). Mention any six (6) benefits of implementing and maintaining cybersecurity (6 marks)

**Question 3**

- 3a). As a Cyber-Security expert, what preventive cyber-security measures will you recommend for your institution (12 marks)
- 3b). Cyber-security can be categorized into sub-domains. Discuss any eight (8 marks).

**Question 4**

- 4a). As a Cyber-Security expert, what preventive cyber-security measures will you recommend for your institution (12 marks)
- 4b). Cyber-security can be categorized into sub-domains. Discuss any eight (8).

**Question 5**

- 5a. Write on any seven (7) types of malware (14 marks)
- 5b. What are the considerations for a secured disposal of data? (6 marks)