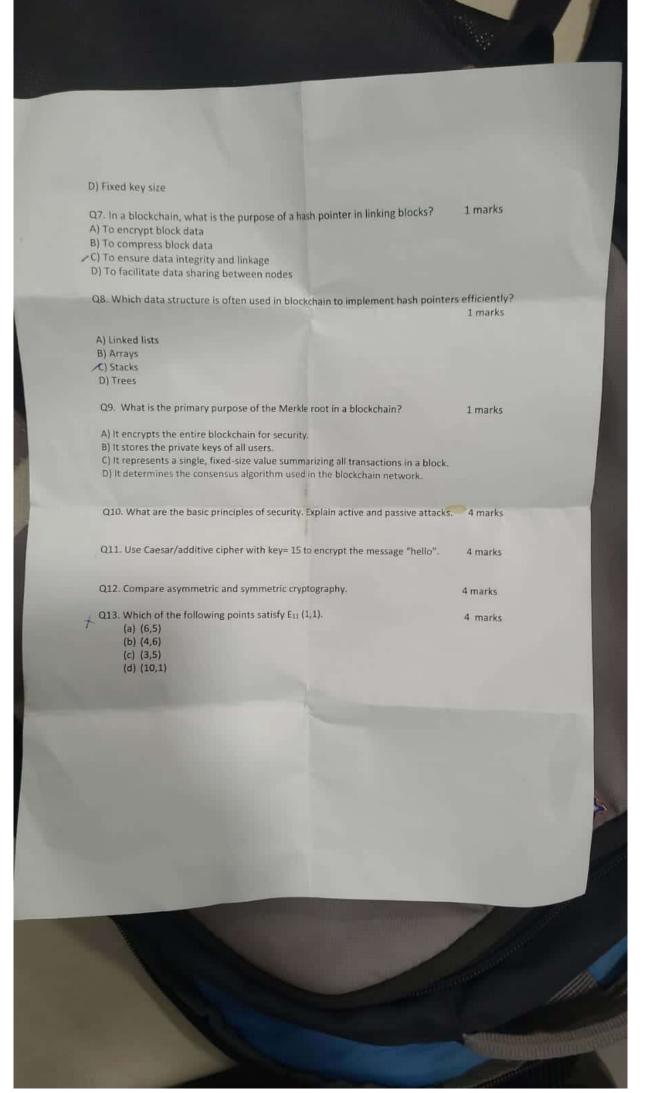
National Forensic Sciences University School of Cyber Security and Digital Forensics Course Name: M.Sc. Digital Forensics and Information Security (Batch: 2022-24) Semester - III Exam: TA-1 (September- 2023) Time: 12.45 pm to 1.30 pm Subject Code: CTMSDFIS SIII P3 Date: 18-09-2023 Subject Name: Blockchain and Cryptocurrencies. 1 marks Q1. What is the primary purpose of a blockchain? A) Storing large amounts of data B) Ensuring the privacy of user information (C) Enabling decentralized and tamper-resistant record-keeping D) Facilitating high-speed financial transactions 1 marks Q2. In a blockchain, what is a "block"? A) A single user account B) A unit of cryptocurrency . C) A group of transactions bundled together D) A secure login method Q3. Which cryptographic key is used for both encryption and decryption in symmetric 1 marks cryptography? A) Public key B) Private key C) Shared secret key D) Digital signature Q4. In symmetric encryption, what is the primary concern? 1 marks A) Key distribution B) Public key storage C) Hash collisions D) Data authenticity Q5. What is the key feature of asymmetric cryptography? 1 marks A) Both parties use the same private key B) Encryption and decryption use different keys C) Encryption and decryption use the same key D) Keys are generated by a central authority Q6. Which property should a good cryptographic hash function have? 1 marks A) Reversibility B) Collision resistance C) Low computational complexity



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