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Test of Cryptography Duration: 02h Level: II Academic year: 2020/2021Branch: Software Engineering Structural (10MKS) 1. Differentiate between Cryptography and STEGANOGRAPHY and state one example in each case.....2MKS 3. Differentiate between with examples Polyalphabetic and Monoalphabetic techniques in Cryptography.....2MKS ii. ECB , CBC and CFM \_\_\_\_\_\_3MKs iii. 4. L=4, m=4, k-round=3-3-2-1-5-6, N=5, K=1010011010111011, X=1010001110110111 Using SPN encrypt the above plaintext X. 5MKS MCQ Section (Right = .5 Wrong = -.25) 5 MKS is the original text. A) ciphertext B) plaintext C) secret-text D)none of the above 2. The \_\_\_\_\_ is the message after transformation A) ciphertext B) plaintext C) secret-text D) none of the above means that the data must arrive at the receiver exactly as sent. A) confidentiality B) integrity C) authentication D) none of the above cipher reorders the plaintext characters to create a ciphertext. -A) Substitution B) transposition C) steganography technique D) None of the above 5. One commonly used public-key asymmetric cryptography method is the \_\_\_\_\_ algorithm. A) DES B) ECB C) RSA D) CBC algorithm transforms cipher text to plaintext. A) Encryption Decryption C) Either (a) or (b) D) Neither (a) nor (b) is a keyless substitution cipher with N inputs and M outputs that uses a formula to define the relationship between the input stream and the output stream. A S-box B) P-box C) T-box D) none of the above cipher replaces one character with another character of the same text. Substitution (B) Transposition C) Either (a) or (b) D) Neither (a) nor (b) 9.A combination of an encryption algorithm and a decryption algorithm is called a \_\_\_\_\_\_. Cipher B) secret C) key D) none of the above 10.In an asymmetric-key cipher, the sender uses the\_\_\_\_ key to encrypt his massage. A) private B) public C) external D) neither (a), (b) nor (b)

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