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	AG	le No: 136AW JAWAHARLAL NEHRU TECHNOLOGICAL UNIVER B. Tech III Year II Semester Examinations, November CRYPTOGRAPHYAND NETWORK SEC (Common to GSE, IT) Answer any five questions All questions carry equal marks	/December - 2020	A
	△ (1.a) b) 2.	Differentiate between Symmetric and Asymmetric cryptogramite about Integrity and Non-repudiation Security Service: Enumerate in detail the steps in Data Encryption Standard process involved in each round with a neat diagram.		A
	3. What is the purpose of SHA-1 Algorithm? What is the length of message digest and key size in SHA-1 Algorithm? Discuss about all the rounds in SHA-1 algorithm. [15] Write about the functionalities of Transport Layer Security Protocol. b) Describe the security constraints of HTTP protocol. [7+8]			A
	5. (6.a) b)	a) S/MIME b) Authentication Header Protocol. (8+7) (6.a) Write any three substitution ciphers with examples.		
	 7.a) Explain all the parameters in Feistel Block Cipher Structure. b) Describe the encryption process in IDEA algorithm with a neat sketch. [6+9] 			
	△ (¬8.a) b)	What is Digital Signature? Describe the procedure how to go Write about X.509 Directory Authentication Service.	et Digital Certificates.	Д
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