

DAFFODIL INSTITUTE OF INFORMATION TECHNOLOGY (DIIT) BSc. (Hons) in CSE 4th Year 8th Semester 14th Batch Computer and Network Security Course Code: CSE-423 Mid-Term Examination, 2018

Time – 1 hour & 20 minutesFull marks – 40[N.B. – the figures in the right margin indicate the full marks. Answer any four questions of the
following segment.]

1.	a)	Define Computer security, network security and internet security	2.5
	b)	Describe public key cryptography with diagram.	5
	c)	Define Hill Cipher and Auto key cipher.	2.5
2.	a)	Discuss different types of security attacks.	5
	b)	Plaintext: MOURNDAY	5
		Key: RIP	
		Find the cipher text using poly-alphabetic cipher.	
3.	a)	Describe Block cipher v stream cipher.	4
	b)	Describe a single round of DES with diagram.	6
4.	a)	Discuss different types of security goals.	5
	b)	Define fiestel cipher structure with diagram.	5
5.	a)	Discuss model for network access security with diagram.	5
	b)	Describe triple DES with two keys.	3
	c)	What is secret key cryptography?	2
6.	a)	What are ECB and OFB with diagram?	6
	b)	Describe plaintext, cipher text, cryptanalysis, and cryptology.	4