Seat	No.: _	Enrolment No	Enrolment No	
GUJARAT TECHNOLOGICAL UNIVERSITY				
ME – SEMESTER II (NEW) – • EXAM: Subject Code: 3725104		ME – SEMESTER II (NEW) – • EXAMINATION – SUMMER 2016	NATION – SUMMER 2016 Date: 31/05/2016	
	•	Name: PKI and Biometrics	Total Marks: 70	
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	uction 1. 2.	<u> </u>	0	
Q.1	(a)	Explain stream and block cipher modes in detail.	[7]	
	(b)	How many types of attack in network security? Explain with proper diagram.	[7]	
Q.2	(a)	Write a short note on IP SEC architecture.	[7]	
	(b)	What do you mean by non-repudiation? Explain non-repudiation using public key and secret key.	[7]	
		OR		
	(b)	Discuss legal issues of Network security.	[7]	
Q.3	(a)	Discuss issues in PKI Deployment	[7]	
	(b)	What is certificate? Explain x.509 in detail.	[7]	
		OR		
Q.3	(a)	Explain Digital signature standard in detail.	[7]	
	(b)	Explain RSA Algorithm and its attack in detail.	[7]	

Explain what is the role of single sign on in authentication technologies?

Discuss issues with secure email in detail.

Explain advantages and drawback of biometric.

Give comparison between AES and DES algorithm.

Explain PKI components and its functions in detail.

Give approaches to share a secret key and explain briefly

Explain Diffie - Hellman key exchange algorithm in detail

Explain types of Biometric Techniques briefly.

Q.4

Q.4

Q.5

Q.5

(a)

(b)

(a)(b)

(a)

(b)

(a)(b)

[7]

[7]

[7]

[7]

[7]

[7]

[7]

[7]