

Reg.No. _____



Karunya UNIVERSITY

(Karunya Institute of Technology & Sciences)
(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

End Semester Examination – Nov/Dec – 2016

Code : 14CS3073
Sub. Name : Web Security

Semester : 2016-17 ODD
Duration : 3hrs
Max. marks : 100

ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)

Q. No.	Sub Div.	Questions	Course Outcome	Marks
1.	a.	List the various symmetric key algorithms and explain.	CO2	10
	b.	Explain with examples what are the various attacks in Cryptanalysis?	CO2	10
(OR)				
2.	a.	Find the cipher text using Columnar Transposition and explain? Key = 1 4 5 3 2 Plaintext = T H I S I S A C O L U M N A R T R A N S P O S I T I O N	CO1	5
	b.	List the various Web Security Problems.	CO1	5
	c.	How does HMAC work in verifying the integrity of a message?	CO1	10
3.	a.	What is identity theft? What are the various strategies to protect from identity theft?	CO1	10
	b.	What is cookies? How do you protect your email address from spammers?	CO2	10
(OR)				
4.	a.	How can we send secure email using Hushmail?	CO2	10
	b.	Write notes on Omniva's self destructing email?	CO2	10
5.	a.	What are the various biometric techniques that are available to secure the system?	CO1	10
	b.	Demonstrate how to create a public/private key pair using PGP?	CO1	10
(OR)				
6.	a.	With a neat diagram explain the X.509 certificate?	CO1	10
	b.	How to create a digital certificate using Verisign?	CO2	10
7.	a.	What are the several measures to protect the computer from physical threats?	CO1	10
	b.	Write notes on Script kiddies, Ideologues and national agents.	CO1	10
(OR)				
8.	a.	List the various tools that are used by attackers to hack the systems?	CO1	10
	b.	What is a firewall? Explain the different types of firewalls?	CO1	10
<u>Compulsory:</u>				
9.		Write short notes on:		
	a.	Secure Electronic Transaction	CO2	8
	b.	Gator Wallet	CO2	6
	c.	Patents	CO2	6

ALL THE BEST